

Funções e Especificações

AC Smart 5

O AC Smart 5 é um controlador central que pode gerir individualmente ou em grupo um máximo de 128 unidades num único espaço.

O AC Smart 5 pode monitorizar ou controlar as unidades instaladas em cada compartimento do edifício de locais como o escritório de gestão ou escritório de administração de uma escola.

[Funções do AC Smart 5]

- Função do Servidor Web incorporado
- Dispositivos que podem ser interligados

[Componentes do AC Smart 5]

- Componentes

[Nome de Cada Peça do AC Smart 5]

- Nome de cada Peça

[Especificações de Hardware do AC Smart 5]

- Especificações de Hardware

AVISO

Este equipamento está em conformidade com a Classe A do CISPR 32. Num ambiente residencial, este equipamento poderá causar interferências electromagnéticas.



Função do Servidor Web incorporado

Sem instalar um programa separado, pode utilizar o navegador web para inserir o endereço IP de entrada do AC Smart 5 na janela de endereço para aceder ao servidor do AC Smart 5 para controlo do dispositivo e monitorização.

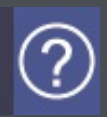
- Controlo de Máx. de 128 unidades de ar condicionado
- Erro e Estado de funcionamento da monitorização
- Controlo da Pico / Demanda de Energia
- Função de Configuração do Sistema



Dispositivos que podem ser interligados

Os dispositivos do AC Smart 5 que podem ser interligados são os seguintes.

Dispositivo	AC Smart 5
AC Ez(Touch)	o
Controlador de Central Simples	o
AC Manager 5	o
Co-Ar condicionado	o
ERV	o
Heating	o
AHU	o
Refrigerador	o (com opção de chiller S/W aplicada)
EXP. I/O	o
Purificador de ar	o



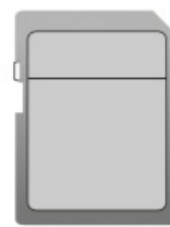
Componentes

Os componentes da figura seguinte estão incluídos na caixa da embalagem do AC Smart 5.

Abra a caixa da embalagem e verifique se todos os componentes correspondentes estão incluídos.



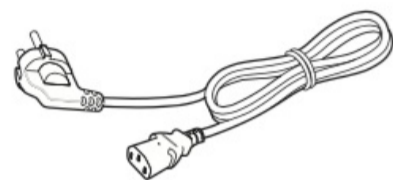
AC Smart 5



Cartão SD 8 GB



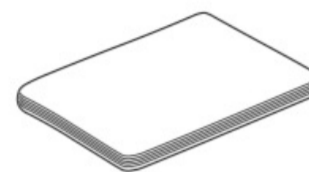
Parafuso



Cabo de alimentação



Adaptador de
alimentação



Guia

Nota

Componentes ou opções podem diferir da imagem real do produto.

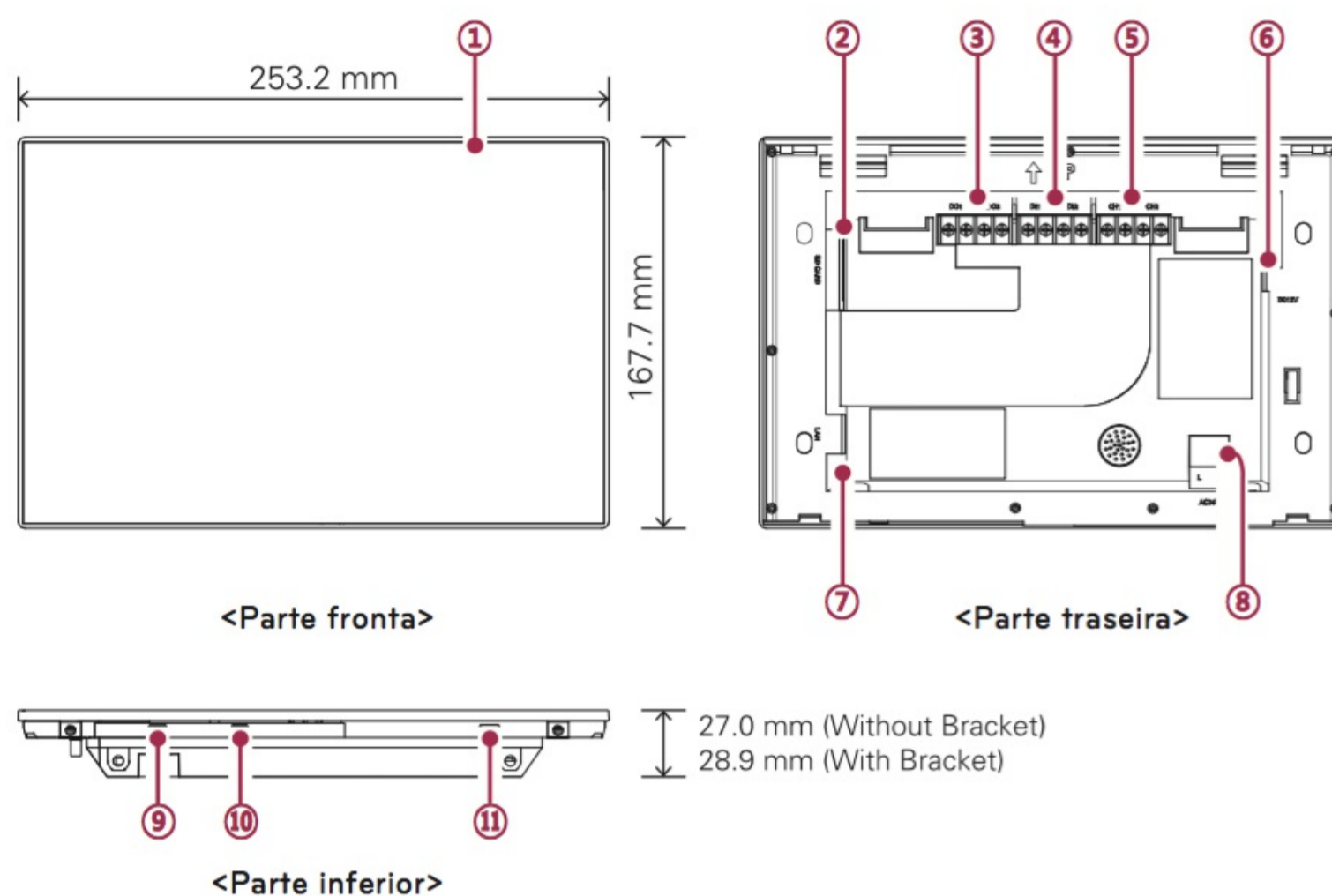
Atenção

O cartão SD fornecido pela nossa empresa é para backup e restauração de dados quando o serviço é fornecido pelo engenheiro de serviço qualificado. Não use em outros fins.



Nome de cada Peça

O AC Smart 5 é composto da seguinte forma.



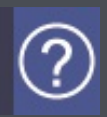
Nº.	Categoria	Índice
①	Ecrã tátil	<ul style="list-style-type: none"> • painel de controle LCD de 10 polegadas • Ecrã de controlo e informações do AC Smart 5
②	Porta para cartões de memória SD	Porta para cartões de memória SD
③	Porta DO	Porta DO 2 canais
④	Porta DI	Porta DI 2 canais
⑤	Porta RS-485	Porta 2CH 485 (CH1: UTA, CH2: outros dispositivos, além de UTA) • Configuração padrão CH1: LGAP_AHU / CH2: LGAP I • Para alterar a configuração padrão, consulte o conteúdo de 'Configuração do Dispositivo - Edição do AC Smart 5' no manual do usuário fornecido na categoria [Help](Ajuda).
⑥	Porta de entrada 12 V	Porta de entrada de alimentação 12 V
⑦	Porta LAN	Porta para cabo LAN para ligação Ethernet (100Mbps/10Mbps)
⑧	Porta de entrada 24 V~	Porta de entrada de alimentação 24 V~
⑨	Porta Micro USB (para assistência)	Porta para atualização do software e armazenamento das plantas dos pisos, relatórios, estatísticas, etc. (Necessita de um cabo para ligar cartões de memória USB, suportando USB 2.0 ou posterior)
⑩	Porta Mini USB	Porta PC para software de depuração
⑪	Alimentação ON/OFF	<ul style="list-style-type: none"> • Se você pressionar menos de 9 segundos, controle de retroiluminação do LCD AC Smart 5 • Prima durante 10 segundos ou mais para reiniciar o AC Smart 5. • Se não utilizar o AC Smart 5 durante muito tempo, é aconselhável desligar o produto para prolongar a vida útil da retroiluminação do LCD.



Especificações de Hardware

As especificações de hardware do AC Smart 5 são as seguintes.

Categoria	Índice
CPU	<ul style="list-style-type: none">• ARM Cortex A9 1 GHz• Dual Core
MEMÓRIA	2 GB
Armazenamento	16 GB
LCD	LCD TFT de 10 polegadas(1024 x 600)
Alto falante	Mono
RS-485	2 Portos
USB/SD	<ul style="list-style-type: none">• Micro USB 1EA (para conexão de memória USB externa, para serviço)• Mini USB 1EA• SD Card 1EA
Ethernet	10 / 100 BASE-T
DI	2 Portos
DO	2 Portos
Tela sensível ao toque	Painel de toque de tipo C
Chave do botão	Menos de 9 segundos (LCD Ligado/Desligado), 10 segundos (Reinicialização do sistema)
PODER	12 V (3,33 A), 24 V~
Temperatura de funcionamento	0 °C ~ 40 °C
Classe de proteção	IP20



Instalação e Configuração

Isso descreve o Método de Configuração e Instalação.

[Ordem de Instalação]

- Ordem de Instalação do AC Smart 5

[Ligue AC Smart 5]

- Ligue AC Smart 5



Ordem de instalação

Para usar o AC Smart 5, você precisa estabelecer o ambiente para comunicação mútua entre o AC Smart 5 e os dispositivos (unidade interna, ERV, DI/DO, DOKIT, Heating, UTA, módulo I/O) e registrar os dispositivos correspondentes através das funções do AC Smart 5.

O AC Smart 5 deve ser instalado na seguinte ordem.

STEP 1. Inspeção do ambiente de instalação e configuração do endereço do dispositivo

Antes de instalar o AC Smart 5, verifique a composição da rede com os dispositivos de interface e atribua o endereço sem sobrepor aos dispositivos conectados.

STEP 2. Configuração do PI485

Instale o PI485 e defina a chave DIP.

STEP 3. Conexão do PI485 e do AC Smart 5

Conecte o PI485 e o AC Smart 5 pelo cabo RS-485.

STEP 4. Log-in e registro do dispositivo

Faça login no AC Smart 5 e registre o dispositivo com o endereço definido.

CUIDADO

A instalação do AC Smart 5 tem de ser feita por um profissional. Certifique-se de que contacta um engenheiro qualificado para a instalação. Se tiver uma dúvida ou um pedido relativamente à instalação, contacte um profissional de instalação num centro de assistência LG autorizado ou a LG Electronics.

NOTA

Os números máximos de nodo que podem ser ligados à linha de comunicação RS485.

- Multi V

No máximo, podem ser ligados até 16 nodos a 1 linha RS485.

- Multi/Single

No máximo, podem ser ligados até 32 nodos a 1 linha RS485.

- ERV

No máximo, podem ser ligados até 32 nodos a 1 linha RS485.



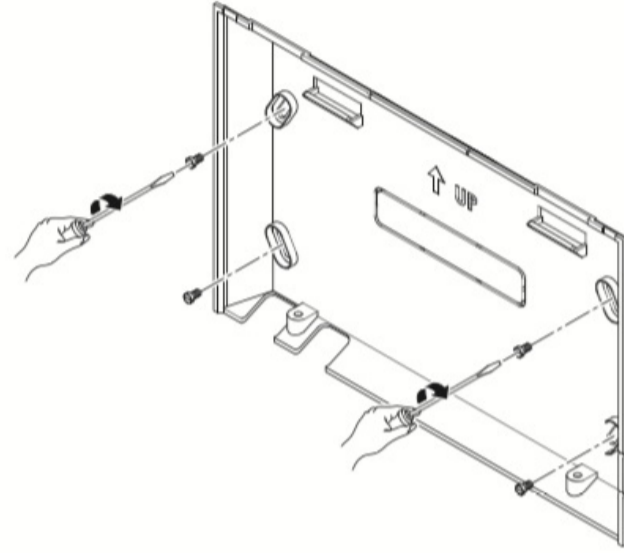
Ligue AC Smart 5

Pode instalar o AC Smart 5 e os seus cabos da seguinte forma.

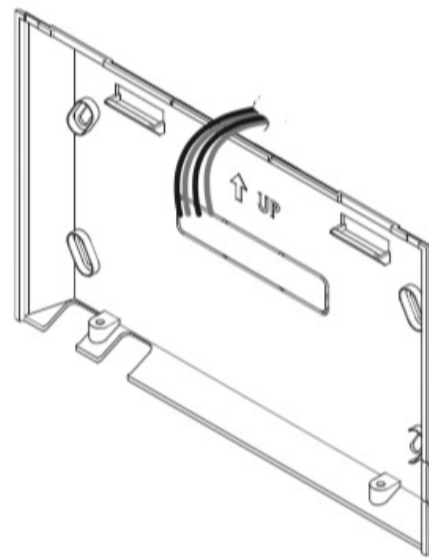
1. Escolha um local para o controlador AC Smart 5.

- Antes de fixar o controlador AC Smart 5 deve verificar se o local é adequado para a montagem do controlador AC Smart 5, cabo RS485, cabo de alimentação e cabo UTP.

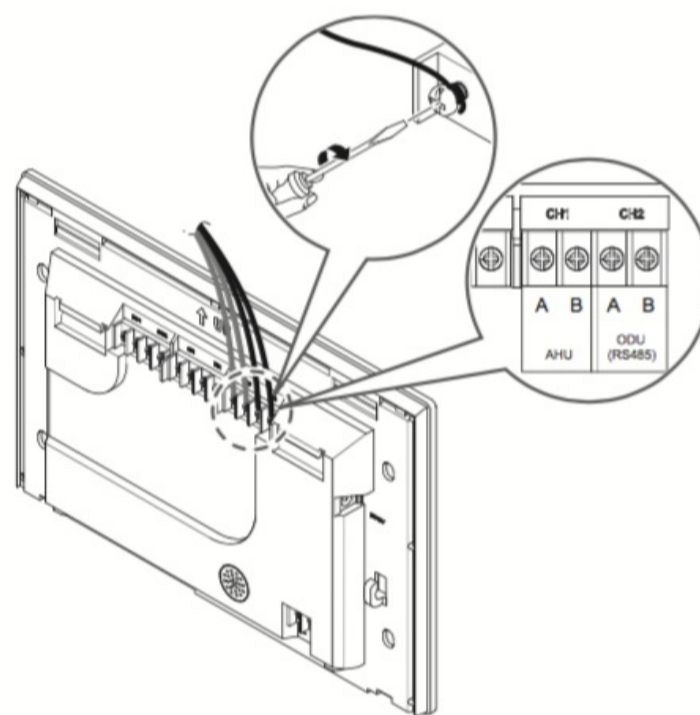
2. Fixar o painel traseiro do controlador AC Smart 5 para a parede na qual existe um cabo RS485.



3. Estique o cabo RS485 a partir da parte superior do painel traseiro.



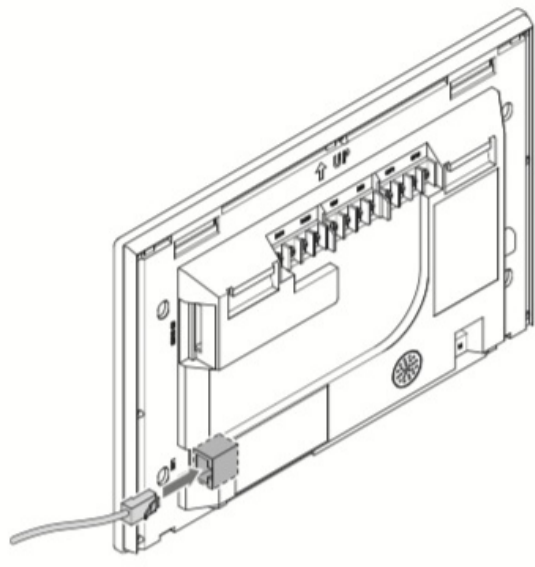
4. Ligue o cabo RS485, que está situado através do painel AC Smart 5, ao terminal RS485.the AC Smart 5, to the RS485 terminal.



CUIDADO

O cabo RS485 tem polaridade, por isso, respeite a polaridade ao ligar os cabos.

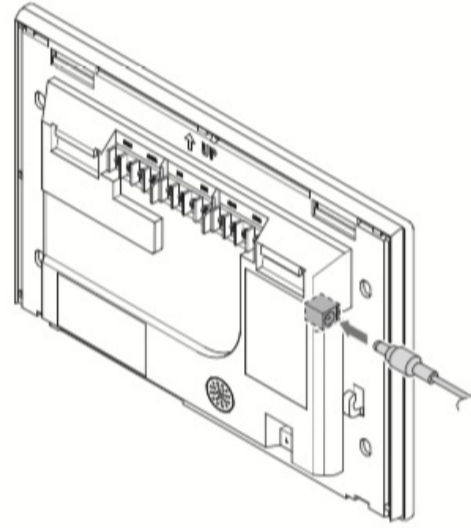
5. Para utilizar as funções de rede (envio de e-mails e controlo de Internet) proporcionadas pelo AC Smart 5, ligue um cabo UTP à porta LAN na parte traseira do AC Smart 5.



6. Conecte a alimentação.

- Para os modelos globais

- Na parte traseira do AC Smart 5, ligue o adaptador de alimentação à porta de alimentação.



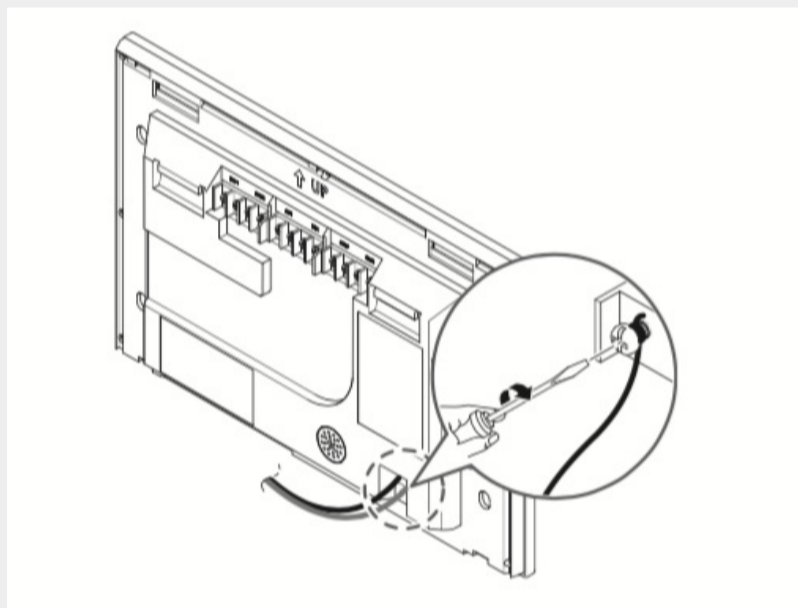
O adaptador não é fornecido com o pacote AC Smart 5 vendido nos E.U.A.

NOTA

Pode pendurar o cabo de alimentação no suporte do cabo de alimentação situado abaixo da porta de alimentação.

- Para os modelos US

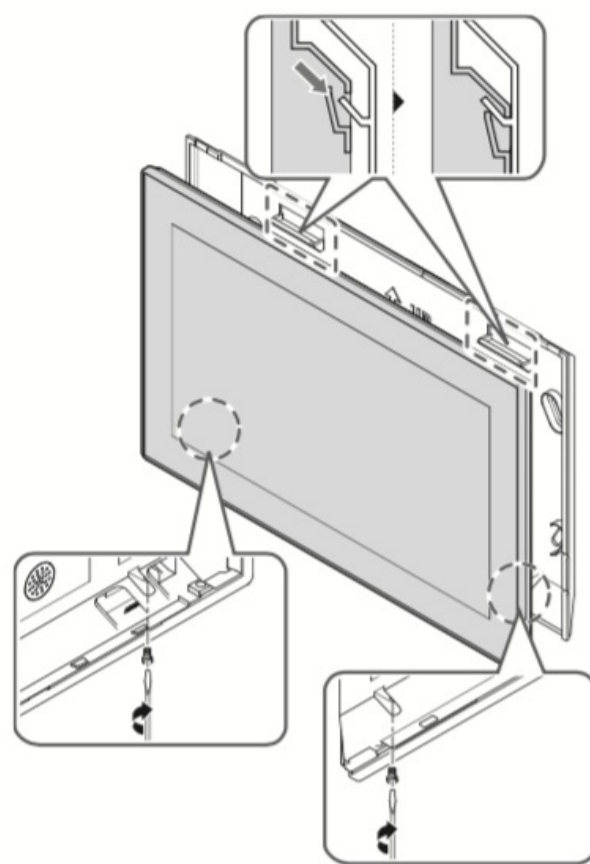
- Na parte inferior do AC Smart 5, ligue o cabo de alimentação à porta de alimentação.



NOTA

Em certos países, exceto os E.U.A., pode ligar a alimentação de DC 12 V ao AC Smart 5 utilizando o adaptador fornecido. Se necessário, ligue a alimentação de AC 24 V ao AC Smart 5.

7. After attaching the hook on the top of the main body to the top of the rear panel installed on the wall, please push the top of the main body unit forward for firm attachment.



CUIDADO

Aparafuse 2 pontos na parte inferior da unidade para evitar uma queda.

NOTA

Desmontagem do produto

Após separar 2 parafusos da parte inferior do corpo, puxe ligeiramente o corpo utilizando a chave de fenda e levante o corpo para desmontar o produto.



Utilização (PC)

- Entrar / Sair
- Conta
- Painel de controlo
- Monitorização de matéria particulada interior

[Controlo]

- Controlo do dispositivo
- Controlo da programação
- Interligação
- Controlo limite do tempo
- Hotélí solução (BACnet)

[Energia]

- Utilização de energia
- Navegação de energia
- Controlo da Pico
- Custo unitário da energia

[Histórico]

- Histórico de funcionamento
- Histórico da navegação de energia
- Tendência de funcionamento
- Ciclo

[Definição]

- Configurar dispositivo
- Configuração de grupo
- Configuração do sistema
- Configuração de rede
- Configuração do aviso de erro
- Configuração de administrador
- Configuração adicional de utilizador
- Configuração da tela
- Configuração de avanço
- Configuração do TMS
- Configuração do BACnet/Modbus
- Definir monitorização de matéria particulada.

Nota

- O AC Smart 5 pode ter recursos diferentes na Web e nos dispositivos.



Você pode acessar o produto com o endereço IP na janela de endereço de internet para usar várias funções de controle central.

Nota

- Se recomendam os navegadores Chrome para o controle da web.
- Para o acesso à web, o endereço IP precisa de ser configurado.
- No momento do primeiro acesso, você precisa definir a senha da conta do gerente.
- Cada 90 dias, vai aparecer uma janela emergente para alterar a senha.
Para proteção de informações pessoais e uso seguro de serviço, altere a senha periodicamente.

Entrar

O método de início de sessão é como se segue.

1. Digite o endereço IP do produto na janela do endereço de internet.
2. Insira o ID e a palavra chave na janela e clique no botão **[Entrar]**.

Sair

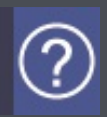
O método para Sair é o seguinte.

1. No menu, clique no menu **[Conta]**.
2. Na janela de informação da Conta, clique no botão **[Sair]**.

Início de sessão automático

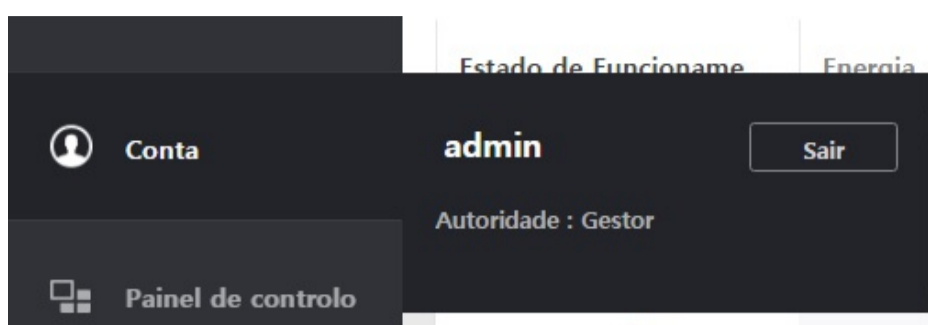
Assim que assinalar a opção Início de sessão automático, vai permanecer com a sessão iniciada até eliminar os cookies do browser ou decidir terminar a sessão.

- O Início de sessão automático é desativado quando termina a sessão.
- Se utilizar a internet através da navegação privada, fornecida em alguns browsers, esta opção não pode ser utilizada uma vez que os cookies não são guardados.
- O ecrã LCD não fornece a funcionalidade de início de sessão automático.



Conta

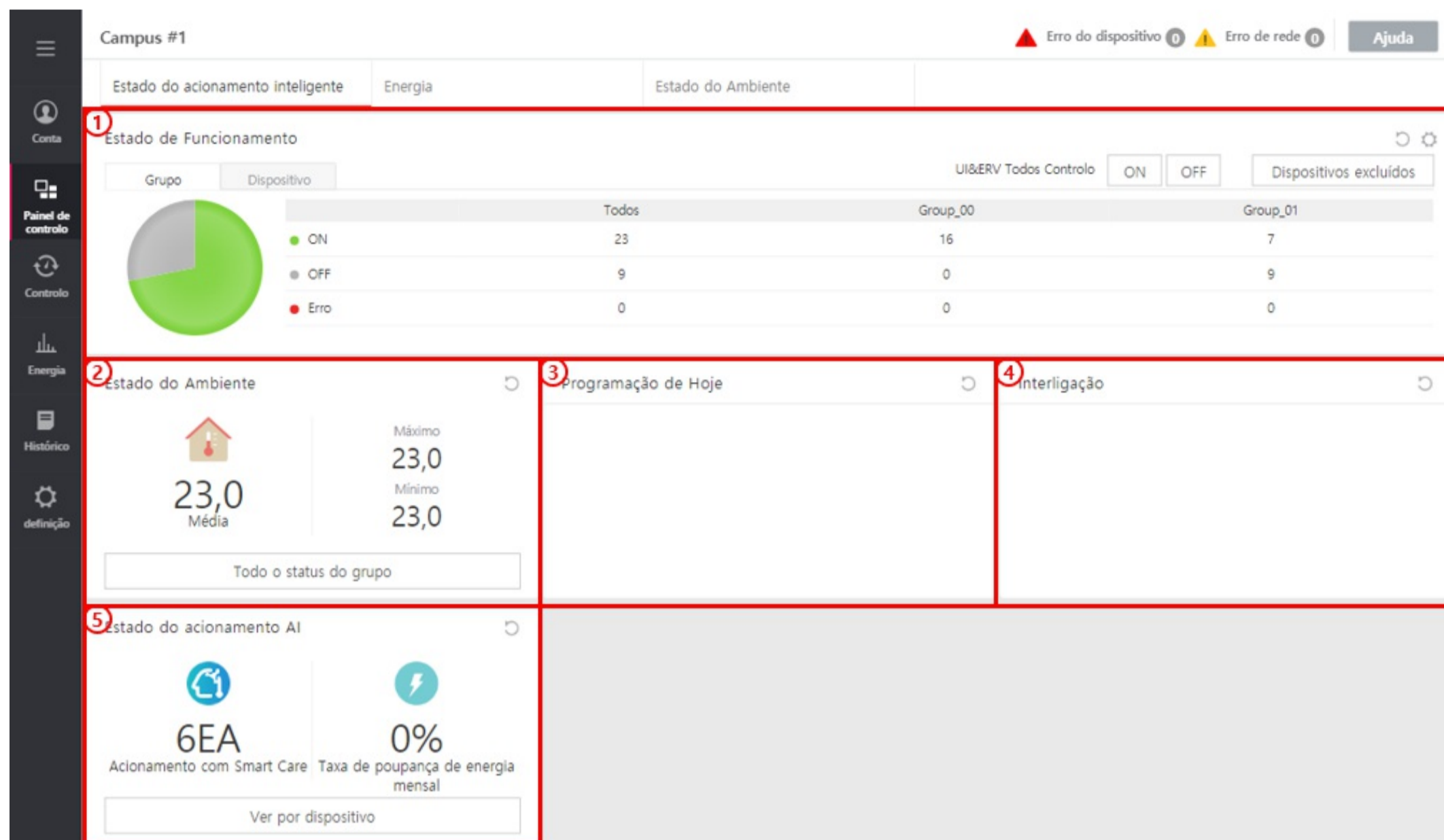
Você pode verificar as informações da conta registrada atualmente.



Pode verificar o estado atual de funcionamento e a tendência de utilização de energia dos equipamentos instalados no AC Manager 5.

Estado de Funcionamento

Este descreve a composição do separador do estado de funcionamento atual do painel de controlo e funções.



Nº.	Categoria	Índice
①	Estado de Funcionamento	<p>Verifique o status da operação (ON/OFF/Erro) do equipamento instalado no produto</p> <p>[Grupo]</p> <ul style="list-style-type: none"> Verificação do estado de funcionamento de cada grupo de gestão atribuído pelo utilizador <p>[Dispositivo]</p> <ul style="list-style-type: none"> Verifique o estado da operação de cada dispositivo designado pelo usuário <p>Todas as unidades interiores e o controle de Ligar/Desligar da ERV</p> <ul style="list-style-type: none"> Todas as unidades interiores e o controle de Ligar/Desligar da ERV Quando é registrado um dispositivo de exceção, ele fica excluído do controle geral
②	Estado do Ambiente	Verificação da temperatura média interior, temperatura interior Máx./Mín. e grupo
③	Programação de hoje	Verificação da lista de programação de hoje
④	Interligação	Verificação da lista de controlo da Interligação
⑤	Estado do acionamento AI	<p>Verifique o número de dispositivos a executar Smart Care e taxas mensais de poupanças de energia.</p> <ul style="list-style-type: none"> Clique em Ver por dispositivo para ver o número de unidades exteriores a executar Smart Care e a taxa de consumo de energia para cada dispositivo.

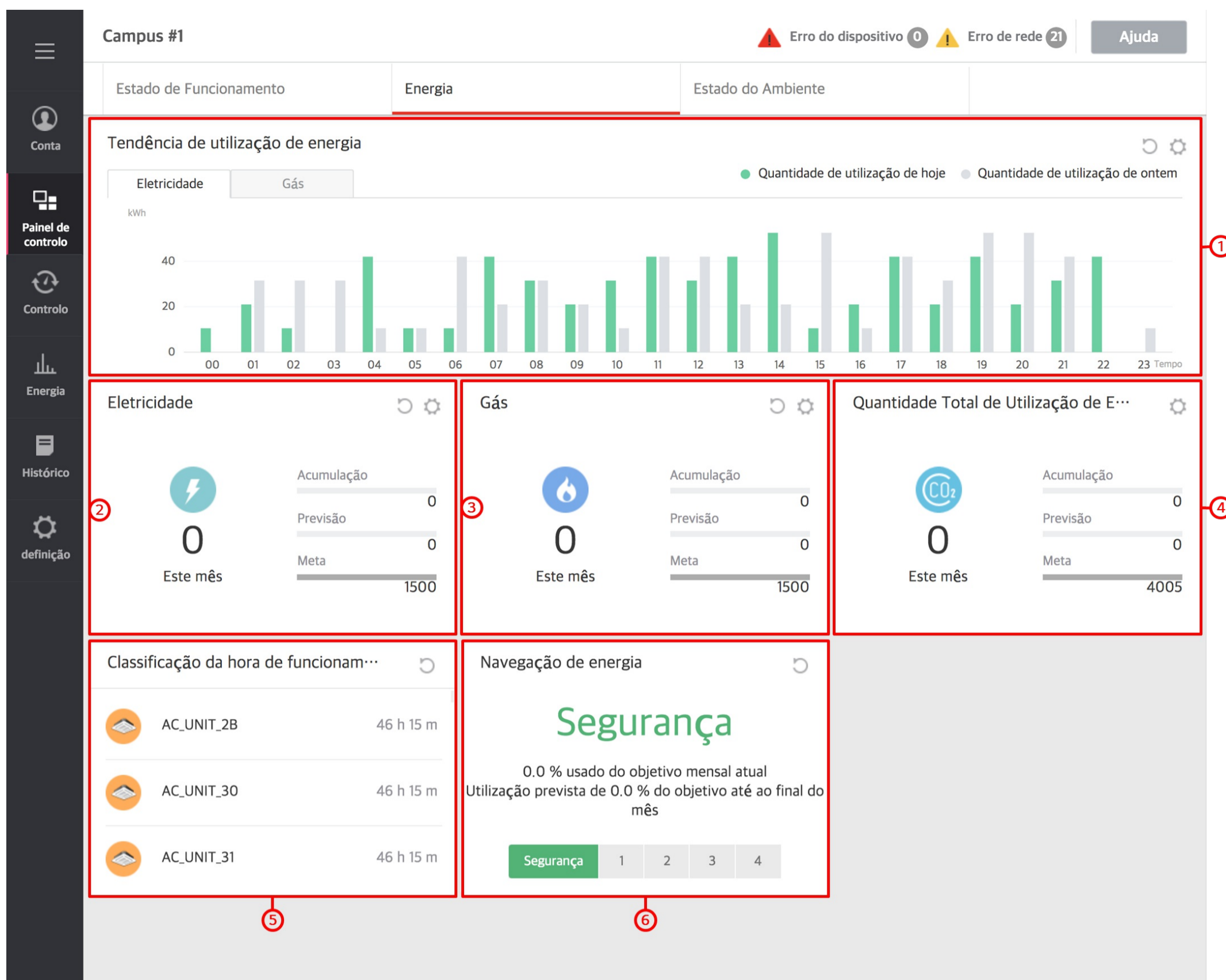
[Configuração do Widget]

Pode seleccionar a monitorização da configuração através de cada elemento do painel de controlo.

➔ Widget do Estado de Funcionamento

Energia

Este descreve a composição do separador de energia do painel de controlo e funções.



Nº.	Categoria	Índice
①	Tendência de utilização de energia	Verificação da tendência diária, mensal e anual de energia elétrica/ quantidade de utilização de gás As tendências de utilização de energia mensal/anual incluem dados até à data anterior.
②	Eletricidade	Verificação da acumulação da quantidade de utilização de eletricidade, previsão, e meta
③	Gás	Verificação da acumulação da quantidade de utilização de gás, previsão, e meta
④	Quantidade Total de Utilização de Energia	Verificação da acumulação da quantidade de utilização de energia total, previsão, e meta
⑤	Tempo de funcionamento contínuo	Verifique a classificação do tempo de operação contínua da unidade interior
⑥	Navegação de energia	Verifique o estado da navegação da energia

[Configuração do Widget]

Pode seleccionar a monitorização da configuração através de cada elemento do painel de controlo.

- ➔ Widget do Tendência de utilização de energia
- ➔ Widget do Eletricidade
- ➔ Widget do Gás
- ➔ Widget do Quantidade Total de Utilização de Energia

Estado do Ambiente


Ele descreve composição e funções da aba de Estado do ambiente do painel



Nº.	Categoria	Índice
①	Monitorização de CO ₂	Verifique o estado do CO ₂ da ERV registrada
②	Monitorização do nível de conforto	Verifique o status de amenidade da unidade interna registrada
③	Monitorização de pó fino	Verifique o Estado do pó fino da unidade interna registrada, Purificador de ar O pó fino é classificado como PM10, PM2.5 e PM1.0, e indica cada estado e concentração

Widget do Estado de Funcionamento

Pode configurar o grupo para monitorizar o estado de funcionamento.


1. No separador do menu à esquerda, clique no menu **[Painel de controlo] > [Estado de Funcionamento]**.
 - A tela de estado de funcionamento é exibida.
2. Clique no botão da tela do estado de funcionamento  atual.
 - A tela de configuração do widget é exibida.

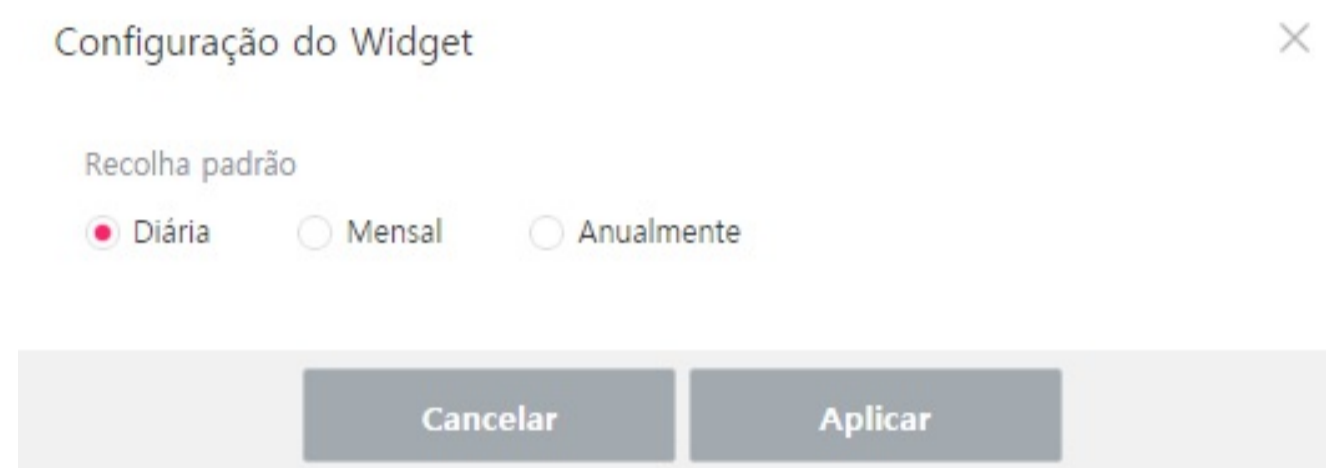


3. Selecione o grupo para monitorizar o estado de funcionamento.
4. Quando a seleção estiver concluída, clique no botão **[Aplicar]**.

Widget do Tendência de utilização de energia

Pode seleccionar o padrão para a monitorização da coleta da quantidade de utilização de energia.


1. No separador do menu à esquerda, clique no menu **[Painel de controlo]> [Energia]**.
 - A tela de energia é exibida.
2. Clique na tela da tendência de utilização de energia  atual.
 - A tela de configuração do widget é exibida.

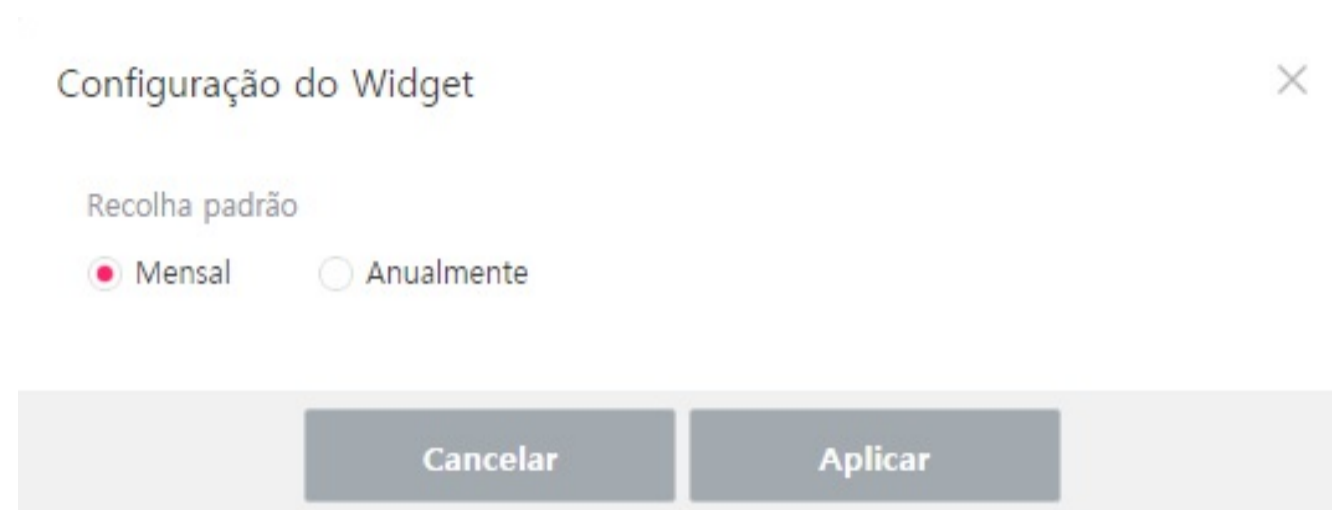


3. Selecione o padrão da coleção (**Diária/Mensal/Anualmente**).
4. Quando a seleção estiver concluída, clique no botão **[Aplicar]**.

Widget do Eletricidade

Pode seleccionar o padrão para a coleta da quantidade de utilização de eletricidade.


1. No separador do menu à esquerda, clique no menu **[Painel de controlo]> [Energia]**.
 - A tela de energia é exibida.
2. Clique na tela da quantidade de utilização de eletricidade  atual.
 - A tela de configuração do widget é exibida.

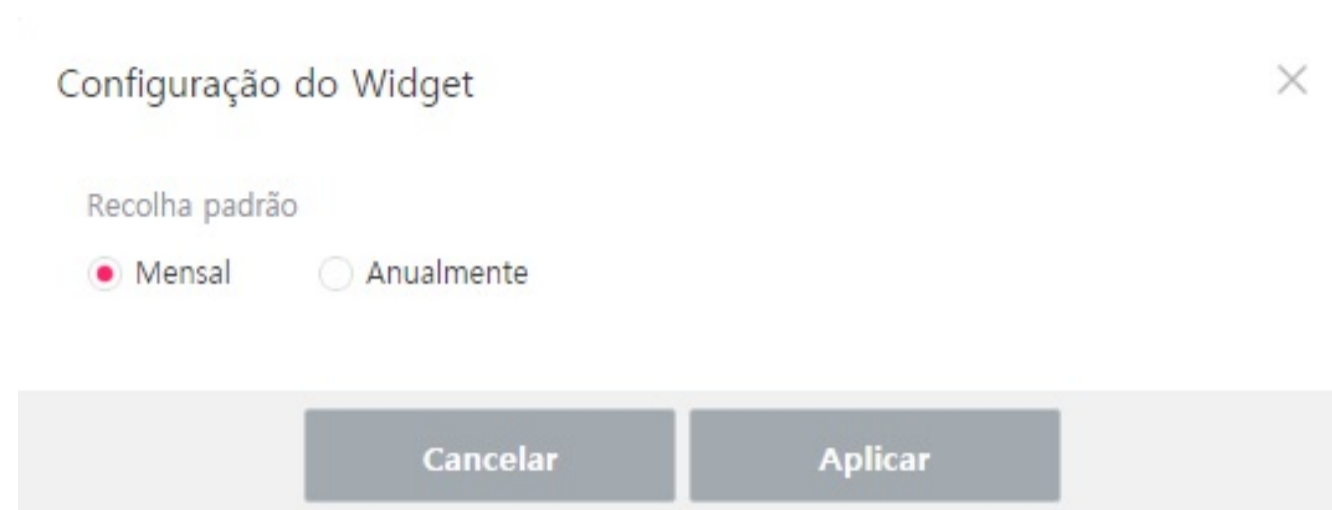


3. Selecione o padrão da coleção (**Mensal/Anualmente**).
4. Quando a seleção estiver concluída, clique no botão **[Aplicar]**.

Widget do Gás

Pode seleccionar o padrão para a coleta da quantidade de utilização de gás.


1. No separador do menu à esquerda, clique no menu **[Painel de controlo]> [Energia]**.
 - A tela de energia é exibida.
2. Clique na tela da quantidade de utilização de gás  atual.
 - A tela de configuração do widget é exibida.

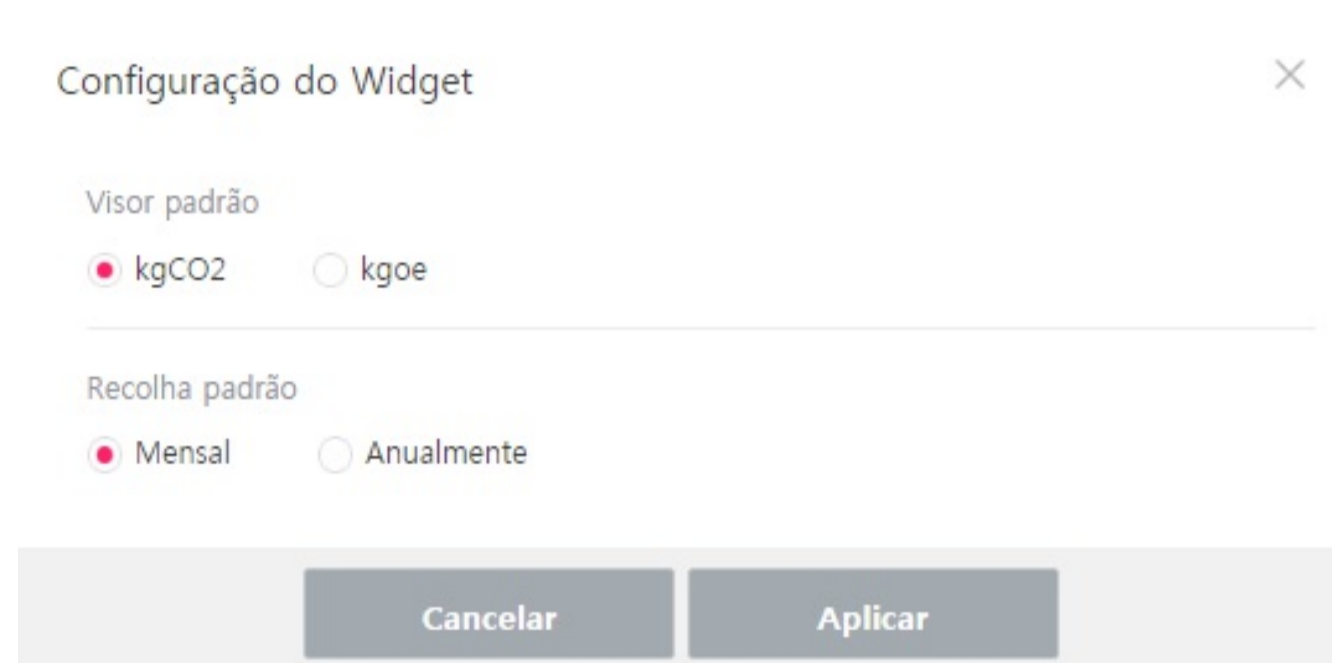


3. Selecione o padrão da coleção (**Mensal/Anualmente**).
4. Quando a seleção estiver concluída, clique no botão **[Aplicar]**.

Widget do Quantidade Total de Utilização de Energia

Pode seleccionar o padrão de exibição e coleta para a quantidade de utilização de energia total.

1. No separador do menu à esquerda, clique no menu **[Painel de controlo]> [Energia]**.
 - A tela de energia é exibida.
2. Clique na tela da quantidade de utilização de energia total  atual.
 - A tela de configuração do widget é exibida.



Configuração do Widget ✕

Visor padrão
 kgCO₂ kgoe

Recolha padrão
 Mensal Anualmente

Cancelar Aplicar

3. Selecione o padrão de exibição (**kgCO₂/kgoe**) e o padrão de coleta (**Mensal/Anualmente**).
4. Quando a seleção estiver concluída, clique no botão **[Aplicar]**.



Monitorização de matéria particulada interior

Pode ver o estado da matéria particulada nas unidades interior e purificadores de ar ligados ao produto.

Ligar à Monitorização de matéria particulada interior.

O método para ligar ao ecrã Monitorização de matéria particulada interior é o seguinte.

1. Insira o endereço IP do produto na janela de endereço da internet.
2. Na janela de início de sessão, insira o nome de utilizador e a palavra-passe e clique no botão **[Monitorização de matéria particulada interior]**.

Lista de Monitorização de matéria particulada interior

Pode ver a atual lista de Monitorização de matéria particulada interior e iniciar a monitorização.

Monitorização de matéria particulada interior

Lista de monitorização de matéria particulada

Seleção	Nome	N.º	Dispositivo e grupo
<input checked="" type="radio"/>	1st Floor	Individual	AC_UNIT_00 e 15caso
<input type="radio"/>	2nd Floor	Grupo	Grupo básico > Group_00

Item	Descrição
Selecionar	Selecione um item para a Monitorização de matéria particulada interior executar a monitorização.
Iniciar	Inicie a tarefa de monitorização de matéria particulada interior.
Cancelar	Retroceda para a página de início de sessão.

Monitorização de dispositivo individual

O seguinte descreve as opções e as funções da Monitorização de dispositivo individual.



Campus #1 (16EA) 1 2 3 4 5 6 7 8 9 10

AC_UNIT_00

Air Purification Zone

Estado de controlo da matéria particulada interior

Bom

PM10

Bom

10 µg/m³

PM25

Bom

10 µg/m³

PM10

Bom

10 µg/m³

Temperatura 23,0°C

Humidade 0%



Campus #1 (16EA)



AC_UNIT_00

Estado de controlo da matéria particulada interior



Bom

PM10
Bom
10 µg/m³

PM25
Bom
10 µg/m³

PM10
Bom
10 µg/m³

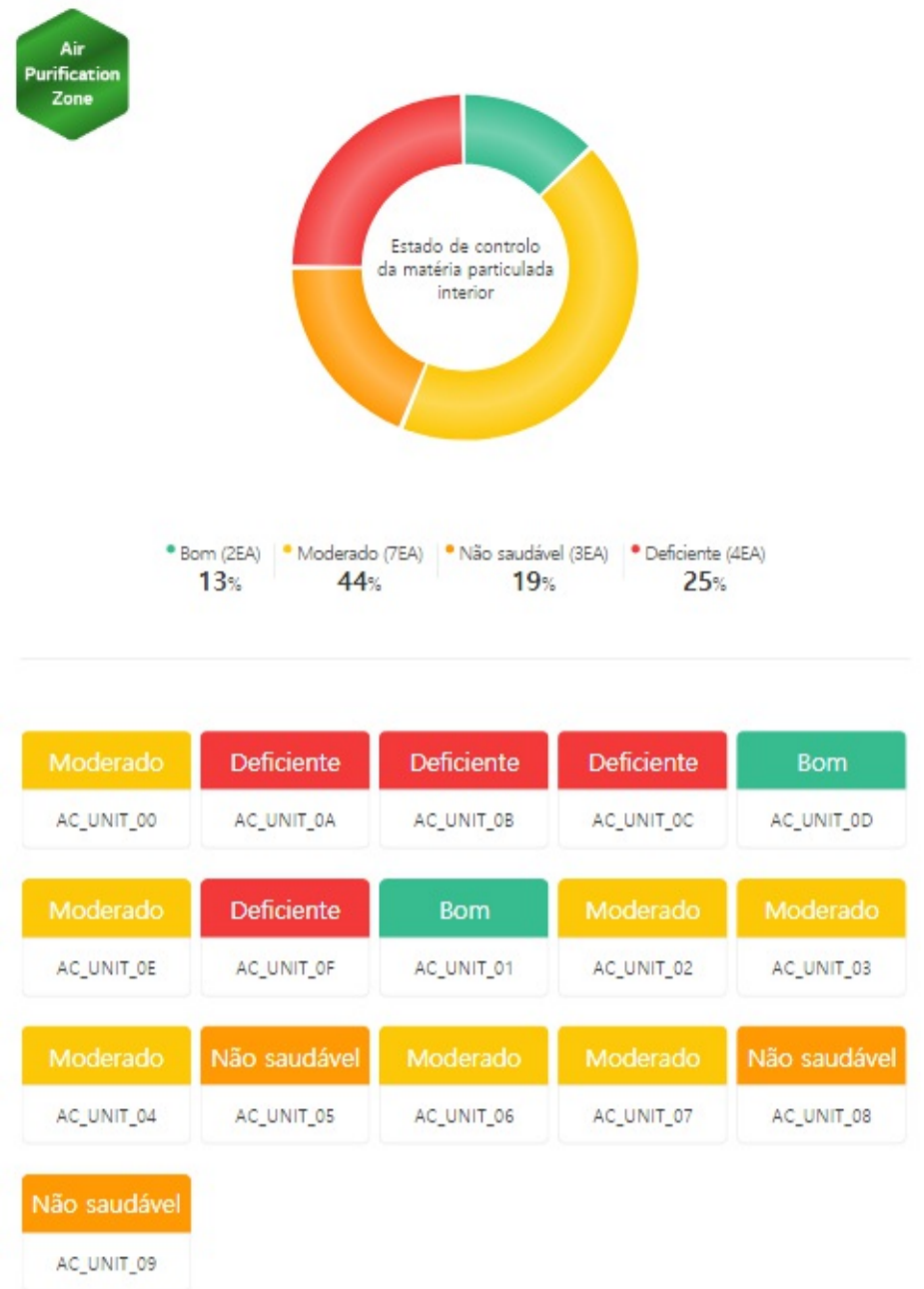
Temperatura 23.0°C | Humidade 0%

Item	Descrição
Estado da Gestão da matéria particulada interior	<p>Verifica o estado da matéria particulada nas unidades interiores e purificadores de ar registados. Apresenta a limpeza total e apresenta o estado de cheiro e densidade para poeiras finas [pm10], matéria particulada fina [pm2,5] e matéria particulada ultra-fina [pm1,0].</p> <ul style="list-style-type: none"> As informações de cheiro só são apresentadas nos purificadores de ar e apenas apresentam as informações de estado.
Temperatura/Humidade	<p>Apresenta a temperatura e humidade atuais.</p> <ul style="list-style-type: none"> Apenas unidades interiores
Zona de gestão da matéria particulada	<p>Apresenta as áreas de controlo de matéria particulada que a LG Whisen produz.</p> <ul style="list-style-type: none"> Para efetuar as definições, aceda a [Definições] > [Definir monitorização de matéria particulada].
Imagem	<p>Para definir as imagens a apresentar, aceda a [Definições] > [Definir monitorização de matéria particulada].</p> <ul style="list-style-type: none"> Podem ser definidas até 10 imagens.

Monitorização de grupo

O seguinte descreve as opções e funções da monitorização de grupo.





Item	Descrição
Estatísticas do estado de controlo da matéria particulada interior	Apresenta dados estatísticas da limpeza total do grupo num gráfico em donut e informações por item.
Limpeza total por dispositivo	Apresenta a limpeza total para cada dispositivo no grupo.
Zona de gestão da matéria particulada	Apresenta as áreas de controlo de matéria particulada que a LG Whisen produz. <ul style="list-style-type: none"> Para efetuar as definições, aceda a [Definições] > [Definir monitorização de matéria particulada].

Cancelar monitorização de matéria particulada interior.

O seguinte descreve como cancelar a monitorização de matéria particulada interior.

- Coloque o cursor do rato na parte superior do ecrã.
 - Vai aparecer o botão (⊗) na parte superior do ecrã.
- Clique no botão ⊗.
 - Será reencaminhado para a lista de Monitorização de matéria particulada interior.



Controlo do dispositivo

Este descreve o método para controlar o dispositivo e para monitorizar o estado do dispositivo.

[Tela e Ícone]

- Estrutura e Função da Tela
- Ícone do dispositivo

[Janela de Controle]

- Controlo de Cada Dispositivo
- Informação do Dispositivo

[Controlo/Monitoring]

- Controlo
- Monitorização

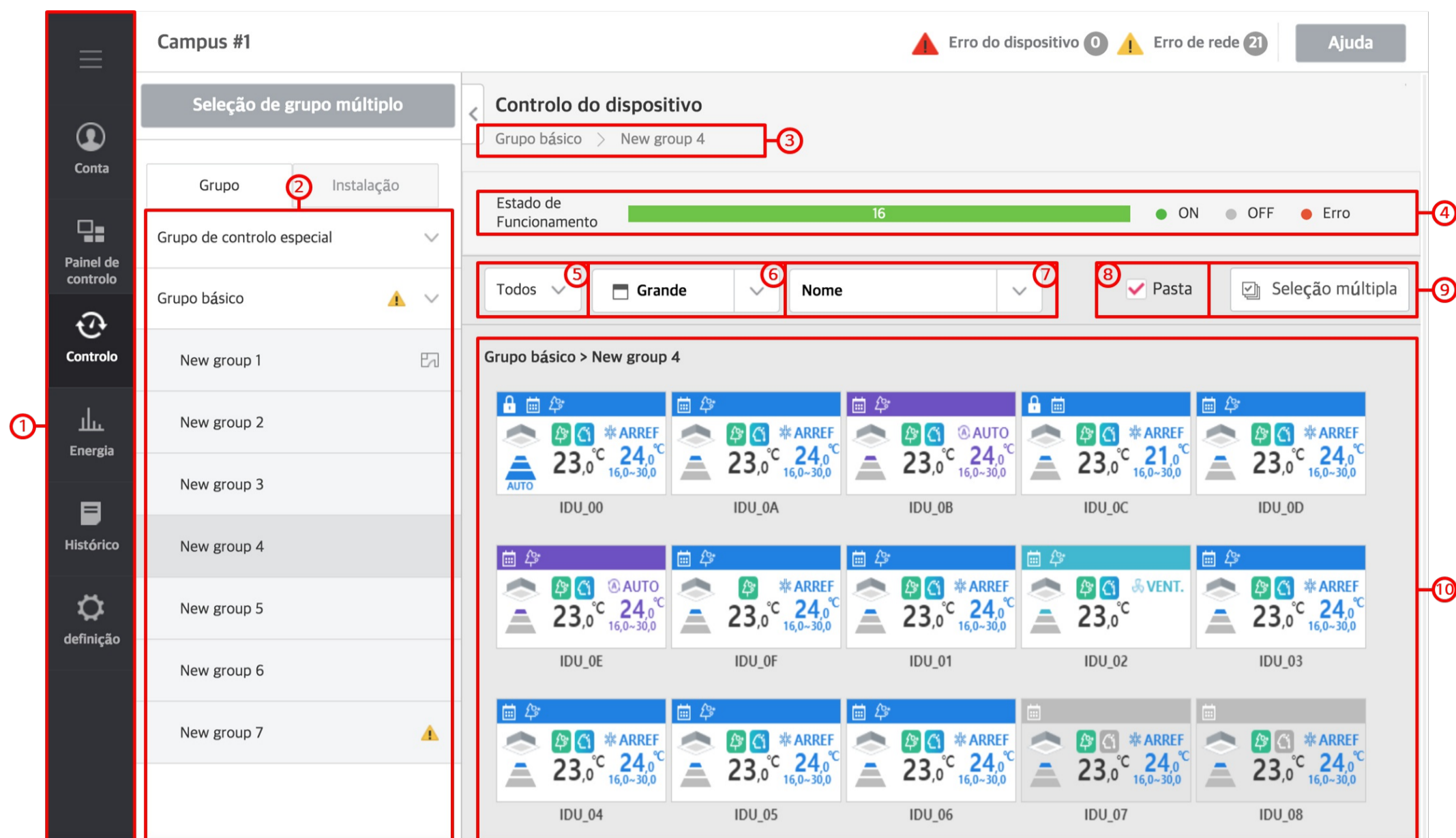
[Desenho]

- Editar Desenho
- Eliminar Desenho

Estrutura e Função da Tela

1. No separador do menu à esquerda, clique no menu [Controlo] > [Control de dispositivo].

- A tela de controlo do dispositivo é exibida.



Nº.	Categoria	Índice
①	Menu Principal	Separador Menu Principal
②	Lista de Grupo	Verifique o grupo de controlo
③	Informação do grupo	Nome do grupo e de localização do grupo
④	Estado de Funcionamento	Verifique o estado de funcionamento atual dos dispositivos (ON/OFF/Erro)
⑤	Filtragem	Categoria do dispositivo e filtragem do estado do dispositivo
⑥	Método de visualização	Selecione um método de visualização do ícone do dispositivo ■ : Grande ■ : Pequeno ☰ : Lista 🖼️ : Desenho
⑦	Dispositivo de classificação	Selecionar o método de classificação do dispositivo <ul style="list-style-type: none"> • Nome • Dispositivo/Nome • Dispositivo/Endereço • Funcionamento
⑧	Ver pasta	Verifique a categoria de grupo de nível mais baixo do grupo atual quando este for verificado
⑨	Seleção múltipla	Seleciona vários dispositivos quando é clicado
⑩	Seção do Dispositivo	Verifique a informação dos dispositivos configurados no grupo

Grupo de gerenciamento/instalação

1. Grupo

- Grupo de gerenciamento estabelecido por conveniência

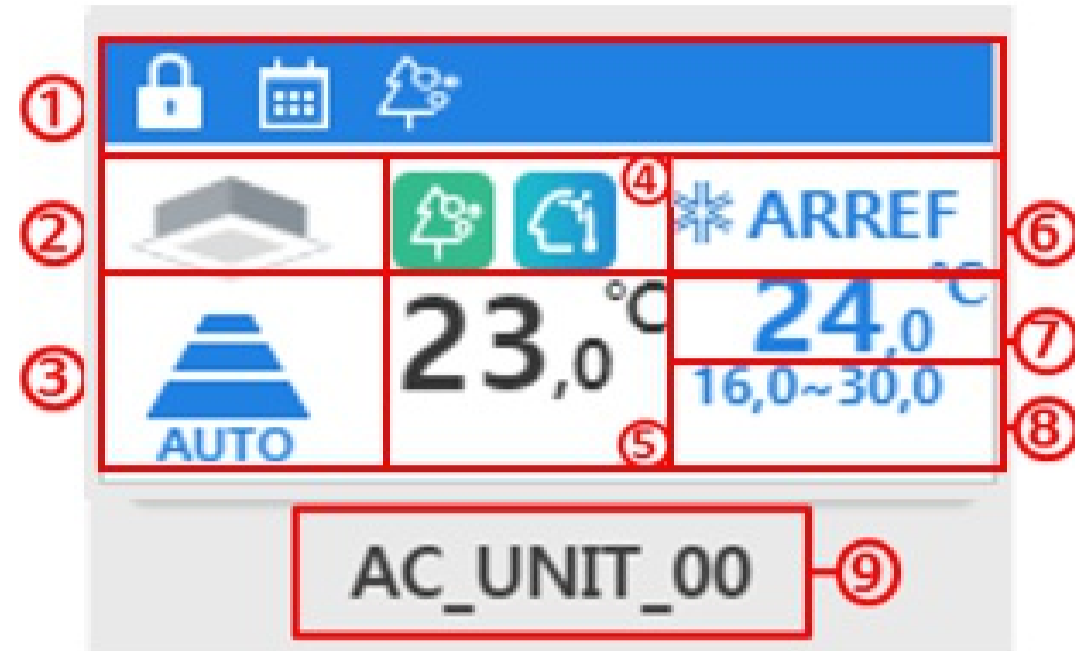
2. Instalação

- Fornece as informações do dispositivo realmente conectado

Ícone do dispositivo

Pode verificar informações importantes de dispositivos individuais com ícone.

1. Ícone grande



Nº.	Categoria	Índice
①	Ícone de indicação do estado do dispositivo	Verifique o ícone do indicador de status do dispositivo
②	Ícone do dispositivo	Verifique o ícone do dispositivo
③	Velocidade do ventilador	Verifique a Velocidade do ventilador
④	Estado da matéria particulada e estado de Smart Care	Verifique o estado da matéria particulada e o estado de funcionamento de Smart Care. Azul (bom), Verde (normal), Laranja (ruim), Vermelho (muito ruim)
⑤	Temperatura de Interior	Verifique a temperatura atual
⑥	Modo	Verifique o Modo
⑦	Definir Temperatura	Verifique a temperatura configurada
⑧	Definir Intervalo Temp	Verifique o limite superior/limite inferior de temperatura
⑨	Nome do dispositivo	Verifique o nome do dispositivo

Ícone de indicação do estado do dispositivo

Ícone	Índice
	Bloqueio
	Horário
	Ocupado
	Controlo da Pico
	Alarme de substituição do filtro
	Alarme de substituição do óleo
	Limpeza do ar
	Sensor da qualidade do ar
	Controlo de poupança de energia associado a Multi-V

2. Ícone Pequeno

- Verifique o ícone do dispositivo/estado de funcionamento/Modo/nome do dispositivo

3. Ver lista

- indicação do atributo do dispositivo no grupo (nome do dispositivo, estado da operação, modo de operação, temperatura atual, temperatura estabelecida, código de erro, endereço ACP, endereço da unidade externa, endereço do dispositivo, etc.).

Quando um dispositivo selecionado na seção do dispositivo, a janela de controlo é criada no lado direito tal como na seguinte tela. Pode controlar o dispositivo selecionado através da janela do controlo.

The screenshot displays the 'Campus #1' interface. At the top, there are status indicators for 'Erro do dispositivo' (0) and 'Erro de rede' (21), along with an 'Ajuda' button. The main area is titled 'Controlo do dispositivo' and shows a 'Grupo básico > New group 4' with 12 AC units. Each unit card displays a current temperature of 23,0 °C and a setpoint of 24,0 °C. The unit AC_UNIT_00 is highlighted with a red box. On the right, the detailed control panel for AC_UNIT_00 is shown, featuring a 'Controlo' tab, 'Funcionamento' (ON/OFF) buttons, 'Modo' (ARREF, AQUE, VENT., DESUM, AUTO) buttons, 'Limpeza do ar' (Definir, Limpar) buttons, 'Ocupado' (Ocupado, Não ocupado) buttons, and temperature sliders for 'Temperatura de configuração de frio' (30,0 °C) and 'Temperatura configurada de aquecimento' (18,0 °C). An 'Aplicar' button is at the bottom.

Nota

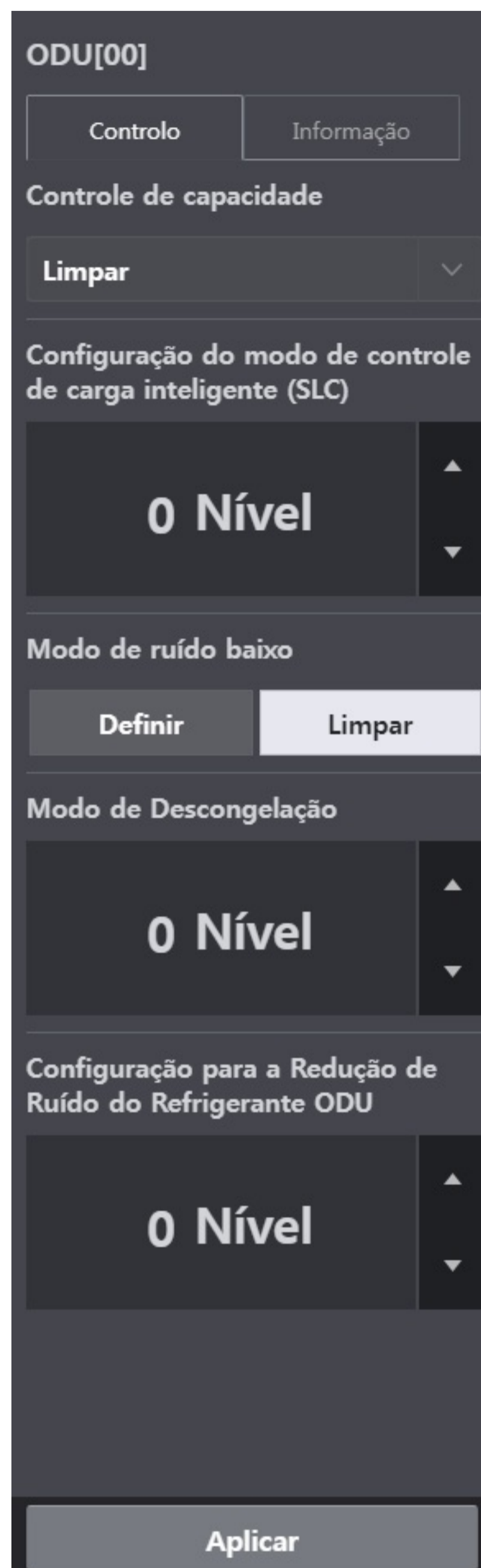
- O limite do controlo dos detalhes para cada dispositivo pode ser diferente do dispositivo real, por isso certifique-se de consultar o manual do dispositivo correspondente.
- A interface do refrigerador é uma função opcional, e precisa de comprar separadamente a opção para a interface do refrigerador.
- Dispositivos ACS I/O podem ter nomes diferentes da ferramenta de controlo, unidade, limite superior, limite inferior, etc. de acordo com a configuração.

Controlo de Cada Dispositivo

- ➔ Unidade de Exterior
- ➔ UI
Unidade interior (2Set)
- ➔ ERV
- ➔ ERV DX
- ➔ Passagem montada no chão
- ➔ Heating
- ➔ AHU
- ➔ Refrigerador de rolagem
- ➔ Refrigerador de enrosamento
- ➔ Refrigerador Turbo
- ➔ Refrigerador de absorção
- ➔ Mini refrigerador de rolagem
- ➔ DOKIT
- ➔ DO
- ➔ AO
- ➔ Purificador de ar



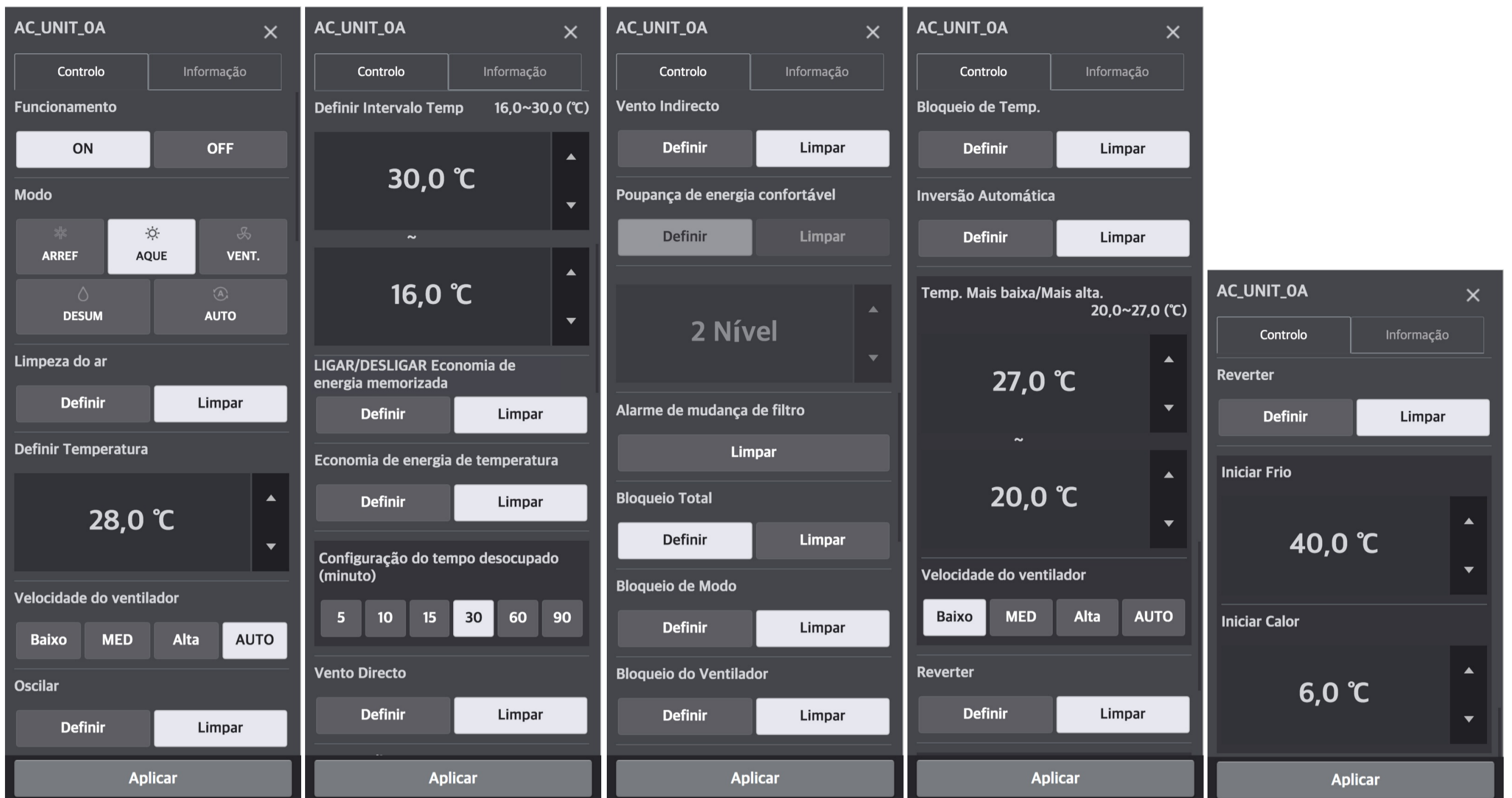
Unidade de Exterior



Categoria	Índice
Controle de capacidade	<ul style="list-style-type: none"> • Pressione o botão [▼] para configurar a taxa de operação de controlo da capacidade da unidade exterior (%)
Configuração do modo de controle de carga inteligente (SLC)	<ul style="list-style-type: none"> • Pressione o botão [▲]/[▼] para definir o estágio de controle de carga inteligente (0 Nível, 1 Nível, 2 Nível, 3 Nível, 4 Nível)
Modo de ruído baixo	<ul style="list-style-type: none"> • Botão[Definir/Limpar]: Definir/Limpar operação de baixo ruído da unidade externa
Modo de Descongelação	<ul style="list-style-type: none"> • Pressione o botão [▲]/[▼] para definir o estágio do modo de descongelar da unidade externa (0 Nível, 1 Nível, 2 Nível, 3 Nível)
Configuração para a Redução de Ruído do Refrigerante ODU	<ul style="list-style-type: none"> • Pressione o botão [▲]/[▼] para definir a fase de redução do ruído do refrigerante da unidade interior (0 Nível, 1 Nível, 2 Nível)

Nota

No controlador central, se a "operação de baixo ruído da unidade externa" for usada, no controle remoto da unidade interna instalada, você precisa configurar na [Configuração do instalador] > [Modo de ruído baixo] para 'ODU'.



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> Botão[ARREF]: Muda para o modo de arrefecimento Botão[AQUE]: Muda para o modo de aquecimento Botão[Ventilador]: Operação de purificação do ar. Quando é selecionado apenas fluxo de ar, a temperatura programada não é aplicada ao dispositivo Botão[DESUM]: Remove a humidade durante a estação de chuvas ou quando a humidade é alta. Quando é selecionada desumidificação, a temperatura programada não é aplicada ao dispositivo Botão[AUTO] : Muda para o modo automático
Limpeza do ar	<p>Controle de limpeza do ar apenas para a função de Limpeza do Ar da unidade interior</p> <ul style="list-style-type: none"> Operação única de limpeza do ar <ol style="list-style-type: none"> Em estado de paragem da unidade interior, no caso de [Definir] a limpeza do ar, a operação única de limpeza do ar com só o vento (vento automático) (Durante a operação única de limpeza do ar, o bloqueio de modo e o bloqueio de quantidade de vento não são verificados) Durante a operação única de limpeza do ar, em caso de [OFF] a operação ou [Limpar] a limpeza do ar, a limpeza do ar é cancelada para o modo anterior e na quantidade de vento anterior (Mas, no caso de modo ou controle de quantidade de vento juntos, o controle é feito com modo e quantidade de vento controlados) Operação adicional de limpeza do ar <ol style="list-style-type: none"> No estado de paragem da unidade interior, em caso de [ON] o estado da operação e [Definir] a limpeza do ar, no modo atual, operação adicional de limpeza do ar No estado de operação da unidade interior, no caso de [Definir] limpeza do ar, no modo atual, operação adicional limpar com ar Durante a operação adicional de limpeza do ar, no caso de [OFF] a operação, detenha a operação Durante a operação adicional de limpar com ar, em caso de [Limpar] a limpeza do ar, a limpeza do ar será cancelada
Definir Temperatura	Prima o botão [▲]/[▼] para regular a temperatura pretendida

Velocidade do ventilador	Configuração da força do fluxo de ar <ul style="list-style-type: none"> • Botão [Baixo]: Configura a velocidade de ventilação para lenta • Botão [MED]: Configura a velocidade de ventilação para normal • Botão [Alta]: Configura a velocidade de ventilação para rápido • Botão [AUTO] : Comutação automática [Baixo]-[MED]-[Alta]
Oscilar	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Inicia/pára a função de rotação automática do ventilador
Definir Intervalo Temp	Quando o utilizador ajusta a temperatura pretendida individualmente, é impossível ajustar a temperatura pretendida fora do limite de temperatura atribuída
LIGAR/DESLIGAR Economia de energia memorizada	Somente para detecção de corpo humano na unidade interna, controle de detecção de corpo humano <ul style="list-style-type: none"> • Botão [Ligar/Desligar]: Detecção de corpo humano LIGAR/DESLIGAR Definir/Limpar economia de energia
Economia de energia de temperatura	Somente para detecção de corpo humano na unidade interna, controle de detecção de corpo humano <ul style="list-style-type: none"> • Botão [Definir/Limpar]: Definir/Limpar a economia de energia da temperatura de detecção do corpo humano
Configuração do tempo desocupado (minuto)	Somente para detecção de corpo humano na unidade interna, controle de detecção de corpo humano Defina o tempo de decisão vazio para 5, 10, 15, 30, 60 ou 90 min.
Vento Directo	Somente para detecção de corpo humano na unidade interna, controle de detecção de corpo humano <ul style="list-style-type: none"> • Botão [Definir/Limpar]: Definir/Limpar vento direto em detecção de corpo humano
Vento Indirecto	Somente para detecção de corpo humano na unidade interna, controle de detecção de corpo humano <ul style="list-style-type: none"> • Botão [Definir/Limpar]: Definir/Limpar vento indireto em detecção de corpo humano
Poupança de energia confortável	<ul style="list-style-type: none"> • Botão [Ligar/Desligar]: Definir/Limpar a função de economia de energia • Você pode pressionar o botão [▲]/[▼] para definir o estágio Somente quando a unidade interna está em operação de resfriamento, é possível controlar a economia de energia
Alarme de substituição do filtro	<ul style="list-style-type: none"> • Botão [Limpar]: em caso de alarme de substituição do filtro, isso cancela o alarme de substituição do filtro
Bloqueio Total	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual
Bloqueio de Modo	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração do modo com o controlo remoto individual
Bloqueio de Vent	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração da Velocidade do ventilador com o controlo remoto individual
Bloqueio de Temp.	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração de temperatura com o controlo remoto individual
Inversão Automática	É uma função para mudar automaticamente para a operação de resfriamento se a temperatura interna exceder a temperatura limite superior, para a operação de aquecimento se for menor que a temperatura limite inferior e parar quando a temperatura estiver entre a temperatura limite superior e a temperatura limite inferior (somente na unidade exterior com refrigeração/aquecimento) <ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar a Inversão Automática
Temp. Mais baixa/Mais alta.	Configuração da Inversão Automática da temperatura limite mais baixa e da temperatura limite mais alta
Velocidade do ventilador	Selecione o valor da Velocidade do ventilador para configurar na unidade de interior durante a operação de Inversão Automática <ul style="list-style-type: none"> • Botão [Baixo]: Configura a velocidade de ventilação para lenta • Botão [MED]: Configura a velocidade de ventilação para normal • Botão [Alta]: Configura a velocidade de ventilação para rápido • Botão [AUTO] : Comutação automática [Baixo]-[MED]-[Alta]
Reverter	Função para manter a temperatura do espaço onde o dispositivo está instalado em certos limites (Apenas suportado por unidade de exterior do tipo arrefecimento/aquecimento em simultâneo) <ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o Reverter
Iniciar Frio	Prima o botão [▲]/[▼] para definir a temperatura de arrefecimento de início da operação (21 °C a 40 °C)
Iniciar Calor	Prima o botão [▲]/[▼] para definir a temperatura de aquecimento de início da operação (1 °C a 20 °C)
Controlo de aquecimento de combinação	(Apenas suportado para determinadas unidades interiores e exteriores) Botão [Definir/Limpar] : ativa/desativa o controlo com base na temperatura exterior.
Modo	Só é ativado quando o controlo de aquecimento de combinação é definido. <ul style="list-style-type: none"> • Botão [AUTO] : define o modo de controlo para auto. • Botão [Manual] : define o modo de controlo para manual. Pode ativar/desativar o controlo da bomba de calor e do aquecedor. Não pode desativar o controlo da bomba de calor e do aquecedor
Temp. 1	Só é ativado no modo auto. Pode definir Temp. 1 para as temperaturas exteriores. De acordo com as temperaturas definidas, a bomba de calor e o aquecedor funcionam automaticamente. Prima [▲]/[▼] para definir Temp. 1 (-23°C-16°C).
Temp. 2	Só é ativado no modo auto. Pode definir Temp. 2 para as temperaturas exteriores. De acordo com as temperaturas definidas, a bomba de calor e o aquecedor funcionam automaticamente. Prima [▲]/[▼] para definir Temp. 2 (-23°C-51°C).
Bomba de calor	Só é ativado no modo manual. Botão [Definir/Limpar] : ativa/desativa o controlo da bomba de calor.
Aquecedor	Só é ativado no modo manual. Botão [Definir/Limpar] : tiva/desativa o controlo do aquecedor.
Smart Care	Ativado apenas quando o controlador AI está ligado. Botão [Definir/Apagar] : Ativar/Desativar Smart Care



Unidade interior (2Set)

Quando a função 2Set que suporta o controle remoto da unidade externa/interna é usada em [Definição] > [Instalando], se for seleccionado o modo auto 2Set do ACP como **indoor unit**, a janela de controle da unidade 2Set é gerada no lado direito como na tela a seguir.



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> Botão[ARREF]: Muda para o modo de arrefecimento Botão[AQUE]: Muda para o modo de aquecimento Botão[Ventilador]: Operação de purificação do ar. Quando é seleccionado apenas fluxo de ar, a temperatura programada não é aplicada ao dispositivo Botão[DESUM]: Remove a humidade durante a estação de chuvas ou quando a humidade é alta. Quando é seleccionada desumidificação, a temperatura programada não é aplicada ao dispositivo Botão[AUTO] : Muda para o modo automático
Limpeza do ar	<p>Controle de limpeza do ar apenas para a função de Limpeza do Ar da unidade interior</p> <ul style="list-style-type: none"> Operação única de limpeza do ar <ol style="list-style-type: none"> Em estado de paragem da unidade interior, no caso de [Definir] a limpeza do ar, a operação única de limpeza do ar com só o vento (vento automático) (Durante a operação única de limpeza do ar, o bloqueio de modo e o bloqueio de quantidade de vento não são verificados) Durante a operação única de limpeza do ar, em caso de [OFF] a operação ou [Limpar] a limpeza do ar, a limpeza do ar é cancelada para o modo anterior e na quantidade de vento anterior (Mas, no caso de modo ou controle de quantidade de vento juntos, o controle é feito com modo e quantidade de vento controlados) Operação adicional de limpeza do ar <ol style="list-style-type: none"> No estado de paragem da unidade interior, em caso de [ON] o estado da operação e [Definir] a limpeza do ar, no modo atual, operação adicional de limpeza do ar No estado de operação da unidade interior, no caso de [Definir] limpeza do ar, no modo atual, operação adicional limpar com ar Durante a operação adicional de limpeza do ar, no caso de [OFF] a operação, detenha a operação Durante a operação adicional de limpar com ar, em caso de [Limpar] a limpeza do ar, a limpeza do ar será cancelada
Ocupado	<p>Função para configurar o espaço com a unidade interna correspondente como ocupado ou vazio</p> <ul style="list-style-type: none"> Botão [Ocupado]: configuração ocupada Botão [Não ocupado] : Configuração vazia

Temperatura de configuração de frio	Pressione o botão [▲]/[▼] para definir a temperatura
Temperatura configurada de aquecimento	Pressione o botão [▲]/[▼] para definir a temperatura
Limites inferior/superior para temperatura de arrefecimento	Configuração da comutação automática da temperatura limite mais baixa e da temperatura limite mais alta
Limites inferior/superior para temperatura de aquecimento	Configuração da comutação automática da temperatura limite mais baixa e da temperatura limite mais alta
Velocidade do ventilador	Configuração da força do fluxo de ar <ul style="list-style-type: none"> Botão[Baixo]: Configura a velocidade de ventilação para lenta Botão[MED]: Configura a velocidade de ventilação para normal Botão[Alta]: Configura a velocidade de ventilação para rápido Botão[AUTO] : Comutação automática [Baixo]-[MED]-[Alta]
Oscilar	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar a função de rotação automática do ventilador
LIGAR/DESLIGAR Economia de energia memorizada	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> Botão [Ligar/Desligar]: Deteção de corpo humano LIGAR/DESLIGAR Definir/Limpar economia de energia
Economia de energia de temperatura	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> Botão [Definir/Limpar]: Definir/Limpar a economia de energia da temperatura de deteção do corpo humano
Configuração do tempo desocupado (minuto)	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano Defina o tempo de decisão vazio para 5, 10, 15, 30, 60 ou 90 min.
Vento Directo	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> Botão [Definir/Limpar]: Definir/Limpar vento direto em deteção de corpo humano
Vento Indirecto	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> Botão [Definir/Limpar]: Definir/Limpar vento indireto em deteção de corpo humano
Poupança de energia confortável	<ul style="list-style-type: none"> Botão [Ligar/Desligar]: Definir/Limpar a função de economia de energia Você pode pressionar o botão [▲]/[▼] para definir o estágio Somente quando a unidade interna está em operação de resfriamento, é possível controlar a economia de energia
Alarme de substituição do filtro	<ul style="list-style-type: none"> Botão [Limpar]: em caso de alarme de substituição do filtro, isso cancela o alarme de substituição do filtro
Bloqueio Total	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual
Bloqueio de Modo	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração do modo com o controlo remoto individual
Bloqueio de Vent	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração da Velocidade do ventilador com o controlo remoto individual
Bloqueio de Temp.	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração de temperatura com o controlo remoto individual
Controlo de aquecimento de combinação	(Apenas suportado para determinadas unidades interiores e exteriores) Botão [Definir/Limpar] : ativa/desativa o controlo com base na temperatura exterior.
Modo	Só é ativado quando o controlo de aquecimento de combinação é definido. <ul style="list-style-type: none"> Botão [AUTO] : define o modo de controlo para auto. Botão [Manual] : define o modo de controlo para manual. Pode ativar/desativar o controlo da bomba de calor e do aquecedor. Não pode desativar o controlo da bomba de calor e do aquecedor
Temp. 1	Só é ativado no modo auto. Pode definir Temp. 1 para as temperaturas exteriores. De acordo com as temperaturas definidas, a bomba de calor e o aquecedor funcionam automaticamente. <ul style="list-style-type: none"> Prima [▲]/[▼] para definir Temp. 1 (-23°C-16°C).
Temp. 2	Só é ativado no modo auto. Pode definir Temp. 2 para as temperaturas exteriores. De acordo com as temperaturas definidas, a bomba de calor e o aquecedor funcionam automaticamente. <ul style="list-style-type: none"> Prima [▲]/[▼] para definir Temp. 2 (-23°C-51°C).
Bomba de calor	Só é ativado no modo manual. <ul style="list-style-type: none"> Botão [Definir/Limpar] : ativa/desativa o controlo da bomba de calor.
Aquecedor	Só é ativado no modo manual. <ul style="list-style-type: none"> Botão [Definir/Limpar] : ativa/desativa o controlo do aquecedor.
Smart Care	Ativado apenas quando o controlador AI está ligado. Botão [Definir/Apagar]: Ativar/Desativar Smart Care
Controlo de cooperação	Ativado apenas quando o controlador AI está ligado. Botão [Definir/Apagar]: Ativar/Desativar controlo de cooperação

Nota

Modo Auto 2set

- Somente com o modo auto 2set que suporta ar interno/externo, pode ser usada função correspondente . (Para saber se cada dispositivo suporta 2Set, consulte o manual do dispositivo correspondente.)
- Substituir é uma função que pode ser definida a partir do controlo remoto. Para o conteúdo relacionado à função de substituição, consulte o manual do controlo remoto.

- Em modo auto 2set, junto com o ícone Auto, o estado atual do modo de operação (refrigeração, aquecimento) do produto é exibido.

Ocupado

- Se o sensor de Ocupado está interligado à unidade interna, a configuração do controle central tem prioridade sobre o sensor de ocupado correspondente. Para o conteúdo relacionado ao sensor de ocupado, consulte a unidade interna ou o manual de Contato Seco.
- Quando a configuração ocupada é alterada, o ajuste automático da configuração de temperatura do resfriamento e a temperatura de aquecimento são a temperatura ajustada de arrefecimento do programação mais recente e a temperatura ajustada do aquecimento, e se não houver um programa previamente executado, ele está configurado para o valor padrão.

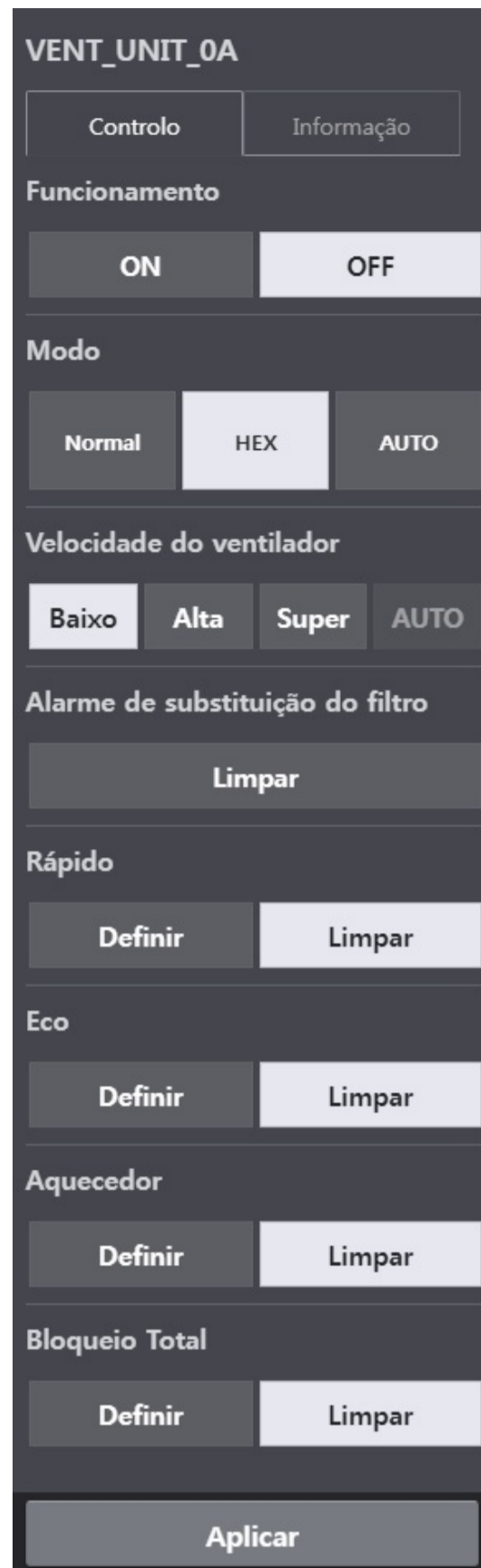
Exemplo>

09:00 - 12:00: ocupado / temperatura estabelecida de Resfriamento 27°C / temperatura estabelecida de aquecimento 18°C

12:00 - 13:00: ocupado/ temperatura estabelecida de Resfriamento 29°C / temperatura estabelecida de aquecimento 16°C

13:00 - 15:00: ocupado/ temperatura estabelecida de Resfriamento 26°C / temperatura estabelecida de aquecimento 19°C

Se estiver vazio sem programação logo das 15:00, a temperatura estabelecida de Resfriamento é de 29 ° C e a temperatura estabelecida de aquecimento é de 16 ° C e, se estiver ocupada, a temperatura estabelecida de Resfriamento se torna 26 ° C e a temperatura estabelecida de aquecimento torna-se 19 ° C.



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> Botão[Normal]: Ventila o ar descarregado sem passar pelo permutador de calor elétrico Botão[HEX]: Ventila tanto o fornecimento/descarga de ar através do permutador de calor elétrico Botão[AUTO]: Muda para o modo quatro estações
Velocidade do ventilador	<p>Configuração da força do fluxo de ar</p> <ul style="list-style-type: none"> Botão[Baixo]: Configura a velocidade de ventilação para lenta Botão[Alta]: Configura a velocidade de ventilação para rápido Botão[Super]: Configura a velocidade de ventilação para a velocidade Máx. Botão[AUTO] : Comutação automática [Baixo]-[Alta]-[Super] <ul style="list-style-type: none"> - Configuração do utilizador é impossível - Quando a poupança de Eco/Rápido está configurado, a Velocidade do ventilador [AUTO] é selecionada - Quando a poupança de Eco/Rápido está cancelada, a Velocidade do ventilador [Alta]é selecionada - Durante a operação [AUTO], quando [Baixo]/[Alta]/[Super] é selecionado, a função poupança de Eco/Rápido em funcionamento é cancelada
Alarme de substituição do filtro	<ul style="list-style-type: none"> Botão [Limpar]: em caso de alarme de substituição do filtro, isso cancela o alarme de substituição do filtro
Função adicional	<ul style="list-style-type: none"> Botão[Definir/Limpar]Rápido : Definir/Limpar a função Rápido (Quando a função Rápido está selecionada, a função de poupança de energia é cancelada) Botão[Definir/Limpar]Eco : Definir/Limpar a função poupança de energia (Quando a função poupança de energia está selecionada, a função Rápido é cancelada) Botão[Definir/Limpar]Aquecedor : Definir/Limpar a função do aquecedor
NTFC	<ul style="list-style-type: none"> Botão [Definir/Limpar]: Definir/Limpar a função de resfriamento do ar à meia-noite quando pode se refrigerar a unidade ao ar livre pela temperatura externa ser menor do que a temperatura base durante a noite
Bloqueio Total	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual



ERV DX



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> Botão[Normal]: Ventila o ar descarregado sem passar pelo permutador de calor elétrico Botão[HEX]: Ventila tanto o fornecimento/descarga de ar através do permutador de calor elétrico Botão[AUTO]: Muda para o modo quatro estações
Definir Temperatura	Prima o botão [▲]/[▼] para regular a temperatura pretendida
Velocidade do ventilador	<p>Configuração da força do fluxo de ar</p> <ul style="list-style-type: none"> Botão[Baixo]: Configura a velocidade de ventilação para lenta Botão[Alta]: Configura a velocidade de ventilação para rápido Botão[Super]: Configura a velocidade de ventilação para a velocidade Máx. Botão[AUTO] : Comutação automática [Baixo]-[Alta]-[Super] <ul style="list-style-type: none"> - Configuração do utilizador é impossível - Quando a poupança de Eco/Rápido está configurado, a Velocidade do ventilador [AUTO] é selecionada - Quando a poupança de Eco/Rápido está cancelada, a Velocidade do ventilador [Alta] é selecionada - Durante a operação [AUTO], quando [Baixo]/[Alta]/[Super] é selecionado, a função poupança de Eco/Rápido em funcionamento é cancelada
Co-Ar condicionado	<ul style="list-style-type: none"> Botão[ARREF]: Opera a ERV DX no modo de arrefecimento Botão[AUTO] : Opera a ERV DX no modo de auto Botão[AQUE]: Opera a ERV DX no modo de aquecimento Botão[OFF]: Pára o ar condicionado do tipo de ERV DX
Definir Intervalo Temp	Quando o utilizador ajusta a temperatura pretendida individualmente, é impossível ajustar a temperatura pretendida fora do limite de temperatura atribuída
Alarme de substituição do filtro	<ul style="list-style-type: none"> Botão [Limpar]: em caso de alarme de substituição do filtro, isso cancela o alarme de substituição do filtro
Função adicional	<ul style="list-style-type: none"> Botão[Definir/Limpar]Rápido : Definir/Limpar a função Rápido (Quando a função Rápido está selecionada, a função de poupança de energia é cancelada) Botão[Definir/Limpar]Eco : Definir/Limpar a função poupança de energia (Quando a função poupança de energia está selecionada, a função Rápido é cancelada) Botão[Definir/Limpar]Aquecedor : Definir/Limpar a função do aquecedor Botão[Definir] Humidificar: Definir a função de Humidificar (apenas para o modo de aquecimento do ar condicionado)
NTFC	<ul style="list-style-type: none"> Botão [Definir/Limpar]: Definir/Limpar a função de resfriamento do ar à meia-noite quando pode se refrigerar a unidade ao ar livre pela temperatura externa ser menor do que a temperatura base durante a noite

Bloqueio Total	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual
Bloqueio de Modo	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração do modo com o controlo remoto individual
Bloqueio de Vent	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração da Velocidade do ventilador com o controlo remoto individual
Bloqueio de Temp.	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração de temperatura com o controlo remoto individual
Bloqueio de NTFC	<ul style="list-style-type: none"> • Botão [Definir/Limpar]: Definir/Limpar à meia-noite o programa de resfriamento do ar definido no controle remoto



Heating



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> • Botão[ON]: inicia o funcionamento do dispositivo • Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> • Botão[ARREF]: Muda para o modo de arrefecimento • Botão[AQUE]: Muda para o modo de aquecimento • Botão[AUTO] : Muda para o modo automático
Temperatura do ar/de entrada/saída de água	<p>Prima o botão [▲]/[▼] para Definir Temperatura do ar/de entrada/saída de água</p> <p>Isto é exibido com base na temperatura configurada seleccionada em [Definição] - [Instalando]</p> <ul style="list-style-type: none"> • Quando é seleccionado [Entrada/Saída de água], é exibido como temperatura de entrada/saída de água • Quando é seleccionado [Entrada], é exibido como temperatura de ar
Água quente	<ul style="list-style-type: none"> • Botão[ON]: Inicia a operação de água quente <ul style="list-style-type: none"> - Se a água quente for operada enquanto o dispositivo estiver em operação automática/arrefecimento, o modo correspondente e a água quente são exibidos no ícone da seção de exibição de conteúdos - Se a água quente for operada enquanto o dispositivo estiver parado, o ícone na seção de exibição de conteúdos é ativado, e é exibido água quente • Botão[OFF]: Pára a operação de água quente
Temperatura da água quente	Prima o botão [▲]/[▼] para Definir Temperatura de água quente pretendida
Bloqueio Total	<ul style="list-style-type: none"> • Botão[Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual



AHU



Categoria	Índice
ver detalhes	Pressione o botão [Detalhe] para verificar informações detalhadas (Mas, o celular está excluído)
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> Botão[ARREF]: Muda para o modo de arrefecimento Botão[AQUE]: Muda para o modo de aquecimento Botão[Ventilador]: Operação de purificação do ar. Se for selecionado apenas fluxo de ar, não pode Definir Temperatura pretendida Botão[DESUM]: Remove a humidade durante a estação de chuvas ou quando a humidade é alta. Se for selecionado apenas fluxo de ar, não pode Definir Temperatura pretendida Botão[Eco]: Operação para encontrar o ponto de funcionamento com a melhor eficiência do sistema de ventilação de forma a poupar no consumo. Descarrega fluentemente o ar interior contaminado porque tem maior Velocidade do ventilador descarregada do que o ar fornecido Botão [Reaquecimento] : mantém uma temperatura e humidade constantes enquanto a função de arrefecimento/aquecimento está ativa. (Disponível apenas quando a bobina de reaquecimento da AHU está em utilização.)
Definir Temperatura	Prima o botão [▲]/[▼] para Definir Temperatura
Padrão de controlo do ventilador	<ul style="list-style-type: none"> Botão[Velocidade do ventilador]: Controla a ventilação com base no estado de Velocidade do ventilador Botão [Temperatura]: Controla a ventilação com base no estado da temperatura Botão[Pressão]: Controla a ventilação com base no estado da pressão fixa
Velocidade do ventilador	Isto só é exibido quando o Padrão de controlo do ventilador é a Velocidade do ventilador <ul style="list-style-type: none"> Botão[Baixo]: Configura a velocidade de ventilação para lenta Botão[MED]: Configura a velocidade de ventilação para normal Botão[Alta]: Configura a velocidade de ventilação para rápido
Ventilação Automática	Isto só é exibido quando a ventilação automática ou Humidificar/ventilação automática são selecionadas em função Adicional durante o registo do dispositivo AHU <ul style="list-style-type: none"> Ventilação automática [Definir/Limpar] botão: Inicia/pára de ventilação automática
Definir CO ₂	É ativado apenas quando a função de ventilação automática está configurada Pressione o botão [▲]/[▼] para estabelecer a unidade de 100ppm entre a faixa de 100 ppm ~ 2 000 ppm
Humidificar	Isto só é exibido quando a Humidificar ou Humidificar/ventilação automática são selecionadas em função Adicional durante o registo do dispositivo AHU <ul style="list-style-type: none"> Botão[Definir/Limpar] Humidificar : Inicia/Pára a função Humidificar

Humidade	É ativado apenas quando a função de Humidificar está configurada Prima o botão [▲]/[▼] para configurar a humidade alvo
Abertura da válvula	<ul style="list-style-type: none"> • Pressione o botão [Válvula OA] : [▲]/[▼] para ajustar o valor de abertura do amortecedor de ar da unidade externa na unidade de 1 ° dentro de uma faixa de 0 ° ~ 90 ° • Pressione o botão [Válvula MIX] : [▲]/[▼] para ajustar o valor de abertura do amortecedor do misturador na unidade de 1 ° dentro de uma faixa de 0 ° ~ 90 ° • Pressione o botão [Válvula EA] : [▲]/[▼] para ajustar o valor de abertura do amortecedor de descarga de ar na unidade de 1 ° dentro de uma faixa de 0 ° ~ 90 ° <p>Quando configurar a Aplicar a fórmula de abertura da válvula [Definição] - [Configuração do sistema] como Definir, isto funciona como Válvula OA = Válvula EA, Válvula OA = Válvula MIX = 90</p>
Bloqueio Total	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual

Veja detalhadamente a AHU

Na tela de controle da AHU, você pode pressionar o botão [Detalhe] para ter informações detalhadas.

➔ SPLIT DOAS



SPLIT DOAS(ARND/DB)

Item	Descrição
Ver detalhes	Clique no botão [Ver detalhes] para ver as informações detalhadas (Não disponíveis nas versões móveis)
Estado de funcionamento	<ul style="list-style-type: none"> Botão [Iniciar funcionamento]: Inicia o funcionamento do dispositivo Botão [Parar funcionamento]: Para o funcionamento do dispositivo
Temperatura pretendida	Prima o botão [▲]/[▼] para definir a temperatura pretendida
Ocupado	Função para definir o espaço gerido por DOAS como ocupado ou disponível <ul style="list-style-type: none"> Botão [Ocupado]: Definido para Ocupado Botão [Disponível]: Definido para Disponível

SPLIT DOAS(ARND/DC)

Item	Descrição
Ver detalhes	Clique no botão [Ver detalhes] para ver as informações detalhadas (Não disponíveis nas versões móveis)
Estado de funcionamento	<ul style="list-style-type: none"> Botão [Iniciar funcionamento]: Inicia o funcionamento do dispositivo Botão [Parar funcionamento]: Para o funcionamento do dispositivo
Temperatura pretendida	Prima o botão [▲]/[▼] para definir a temperatura pretendida
Ocupado	Função para definir o espaço gerido por DOAS como ocupado ou disponível <ul style="list-style-type: none"> Botão [Ocupado]: Definido para Ocupado Botão [Disponível]: Definido para Disponível

Controlo de poupança de energia associado a Multi-V

Esta é uma função para controlar os modos de funcionamento DOAS e Multi-V com base no estado de funcionamento de Multi-V e da temperatura/humidade do ar interior e exterior para poupar a energia do sistema.

O funcionamento em poupança de energia só pode ocorrer em condições interiores aceitáveis (para arrefecimento, temperatura de 28°C ou inferior e humidade relativa de 60% ou inferior). Pode ajustar o nível de frescura e poupança de energia, conforme pretender.

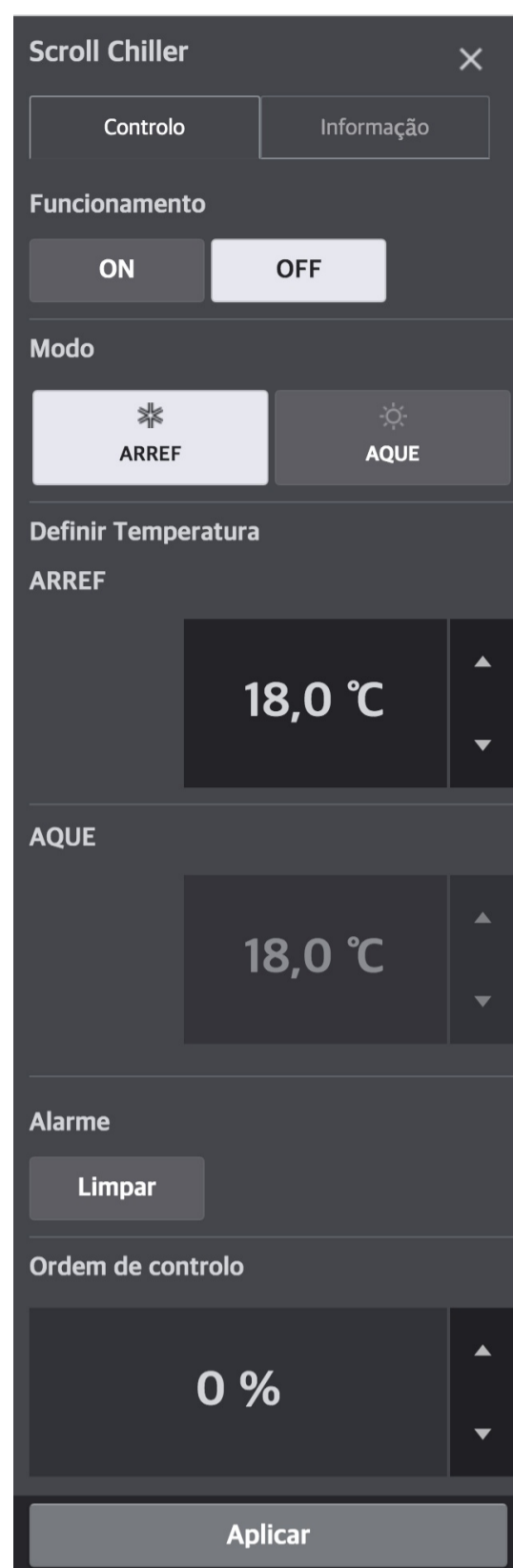
Nota

- Para utilizar o controlo de poupança de energia associado a Multi-V, necessita de um sensor de humidade interior DOAS.
- O funcionamento em poupança de energia só pode ocorrer quando DOAS está em funcionamento no modo de arrefecimento ou desumidificação e todas as unidades interiores estão no modo de arrefecimento.
- Passo de poupança de energia: À medida que se aproxima do passo 3, a desumidificação diminui e a poupança de energia aumenta.

➔ Definir o controlo de poupança de energia associado a Multi-V.



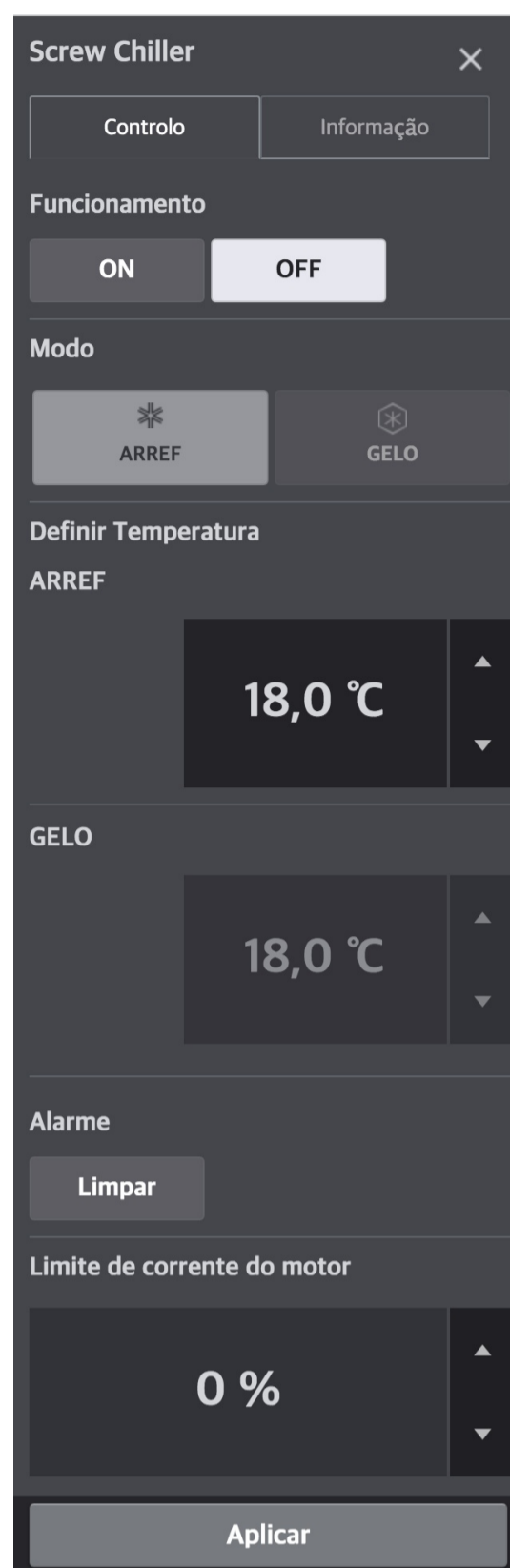
Refrigerador de rolagem



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	(Só aparece quando o dispositivo suporta o modo correspondente) <ul style="list-style-type: none"> Botão[ARREF]: Muda para o modo de arrefecimento Botão[AQUE]: Muda para o modo de aquecimento
Definir Temperatura	Configura a temperatura de saída da carga de água para arrefecimento/aquecimento Prima o botão [▲]/[▼] para Definir Temperatura do modo de arrefecimento e do modo de aquecimento
Alarme	Botão[Limpar] : Cancela o Alarm durante o alarme de Refrigerador
Controlo da Demanda	Prima o botão [▲]/[▼] para configurar o rácio do limite da demanda



Refrigerador de enrocamento



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> • Botão[ON]: inicia o funcionamento do dispositivo • Botão[OFF]: Pára o funcionamento do dispositivo
Modo	Controlo do Modo é impossível. Controlo da temperatura configurada dos modos de funcionamento monitorizados
Definir Temperatura	Configura a temperatura de saída da carga de água para arrefecimento/fazer gelo de interior Prima o botão [▲]/[▼] para Definir Temperatura do modo de arrefecimento e do modo de fazer gelo
Alarme	Botão[Limpar] : Cancela o Alarm durante o alarme de Refrigerador
Limite de corrente do motor	Prima o botão [▲]/[▼] para configurar o rácio do limite de corrente do motor



Refrigerador Turbo



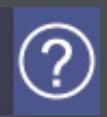
Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> • Botão[ON]: inicia o funcionamento do dispositivo • Botão[OFF]: Pára o funcionamento do dispositivo
Modo	Controlo do Modo é impossível. Controlo da temperatura configurada dos modos de funcionamento monitorizados
Definir Temperatura	Configura a temperatura de saída da carga de água para arrefecimento/aquecimento/fazer gelo de interior Prima o botão [▲]/[▼] para Definir Temperatura do modo de arrefecimento e do modo de aquecimento/fazer gelo
Alarme	Botão[Limpar] : Cancela o Alarm durante o alarme de Refrigerador
Limite de corrente do motor	Prima o botão [▲]/[▼] para configurar o rácio do limite de corrente do motor



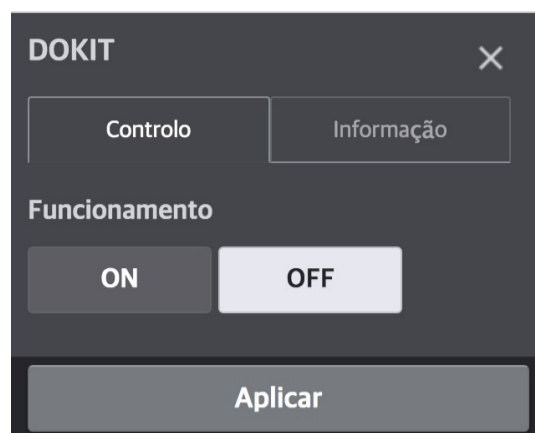
Refrigerador de absorção



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	Controlo do Modo é impossível. Controlo da temperatura configurada dos modos de funcionamento monitorizados
Definir Temperatura	Configura a temperatura de saída da carga de água para arrefecimento/aquecimento Prima o botão [▲]/[▼] para Definir Temperatura do modo de arrefecimento e do modo de aquecimento
Alarme	Botão[Limpar] : Cancela o Alarm durante o alarme de Refrigerador
Limite mais alto da válvula de controlo	Prima o botão [▲]/[▼] para configurar o rácio do limite mais alto da válvula de controlo



DOKIT



Categoria	Índice
Funcionamento	<ul style="list-style-type: none">• Botão[ON]: inicia o funcionamento do dispositivo• Botão[OFF]: Pára o funcionamento do dispositivo



DO



Categoria	Índice
Funcionamento	<ul style="list-style-type: none">• Botão[CURTO]: Saída de sinal curto• Botão[ABRIR]: Saída de sinal aberto



AO

AO[F7/00] ×

Controlo Informação

Temperatura (°C)

0,00

Min 0 ~ Max 100

Aplicar

Categoria	Índice
Temperatura	Definir valor de temperatura

Nota

O símbolo da unidade pode mudar de acordo com o uso estabelecido durante o registo do dispositivo.



Informação do Dispositivo

Quando clicar no separador de informações do dispositivo na tela de controlo do dispositivo, pode verificar as informações do dispositivo.

Pode verificar as informações básicas do dispositivo, informações de funcionamento, informações de programação e informações de erro.

The image displays five sequential screenshots of the AC_UNIT_00 control interface, each showing a different tab under the 'Informação' (Information) section. The interface is dark-themed with white text and icons.

- Screenshot 1: Informações básicas** (Basic Information)
 - Nome: AC_UNIT_00
 - Endereço: 00
 - Grupo: New group 1
 - EU: ODU[00]
 - Modelo: AC
 - Capacidade: 3
 - Modelo ODU: MULTIV
 - Capacidade ODU: 100
- Screenshot 2: Informação do funcionamento** (Operation Information)
 - Funcionamento: ON
 - Modo: AUTO
 - Limpeza do ar: Limpar
 - Temperatura atual: 23,0 °C
 - Pó fino(PM10): 0µg/m³ (Bom)
 - Pó ultra fino(PM2.5): 0µg/m³ (Bom)
 - Pó super ultra fino(PM1.0): 0µg/m³ (Bom)
 - Ocupação: Não ocupado
 - Temperatura de configuração de frio: 30,0 °C
 - Temperatura configurada de aquecimento: 18,0 °C
- Screenshot 3: Informação da programação (2)** (Programming Information)

Tempo	Descrição
00:00	Schedule
05:00	Schedule
- Screenshot 4: Informação de Erro** (Error Information)
 - Erro: Nenhum erro
 - Código de erro: 0
 - Descrição de erros: Nenhum erro
- Screenshot 5: Histórico** (Error History)

Tempo	Índice
31-12-2017 08:29	Controlo Funcionamento: ON ACS
31-12-2017 08:29	Controlo Funcionamento: ON by admin
31-12-2017 08:29	Controlo Funcionamento: OFF by admin
31-12-2017 08:29	Controlo Funcionamento: OFF ACS



Controlo

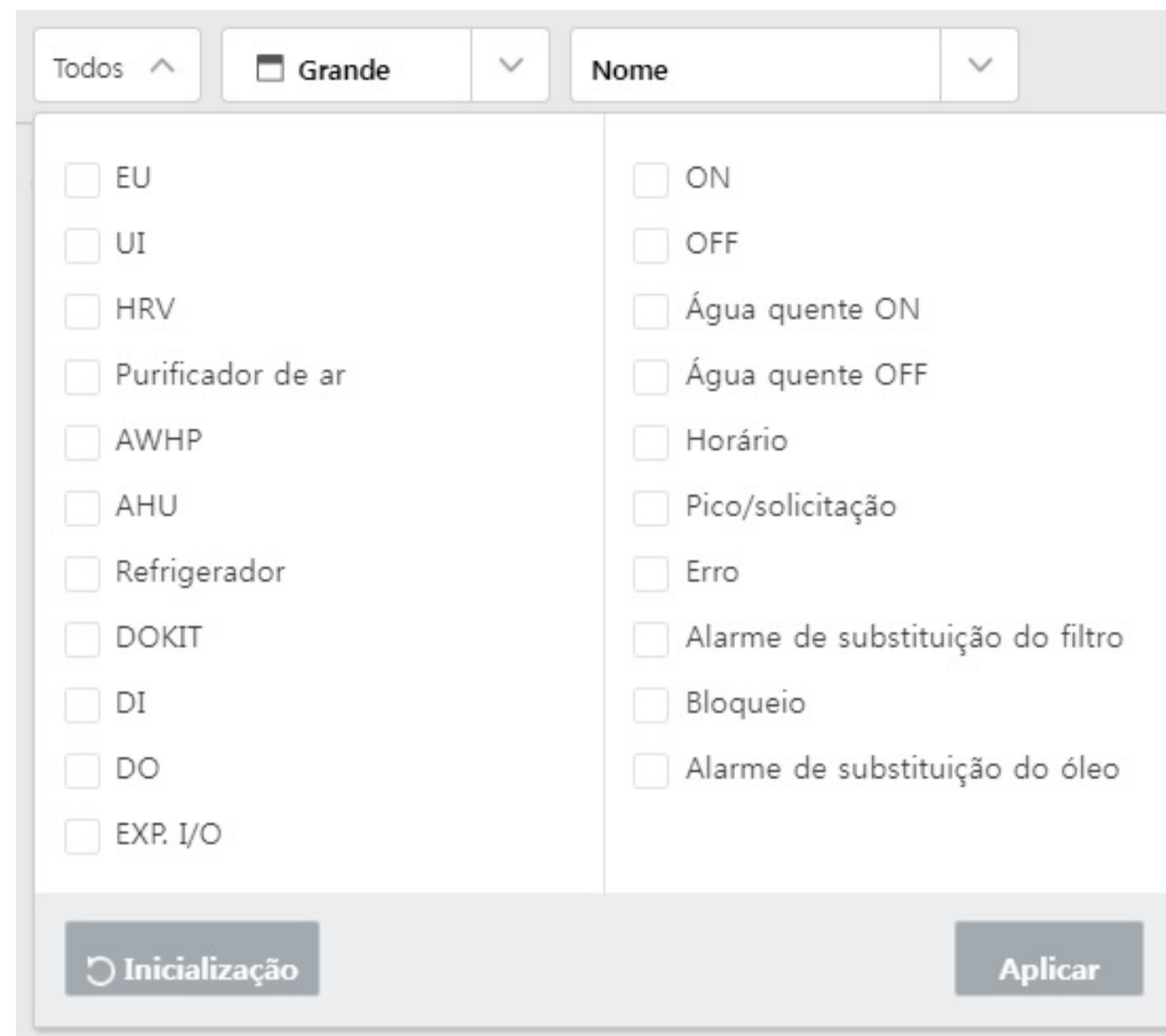
Pode configurar o dispositivo registado para o estado e controlo pretendido.

1. No separador do menu à esquerda, clique no menu **[Controlo] > [Control de dispositivo]**.
2. No separador de lista de dispositivos, clique no separador pretendido.

Categoria	Descrição
Grupo	Lista de o grupo de gestão previsto para a conveniência
Instalação	Fornecer informações sobre o dispositivo atualmente conectado

3. Na seção do filtro, clique no botão do filtro do tipo de dispositivo ou estado para controlar.

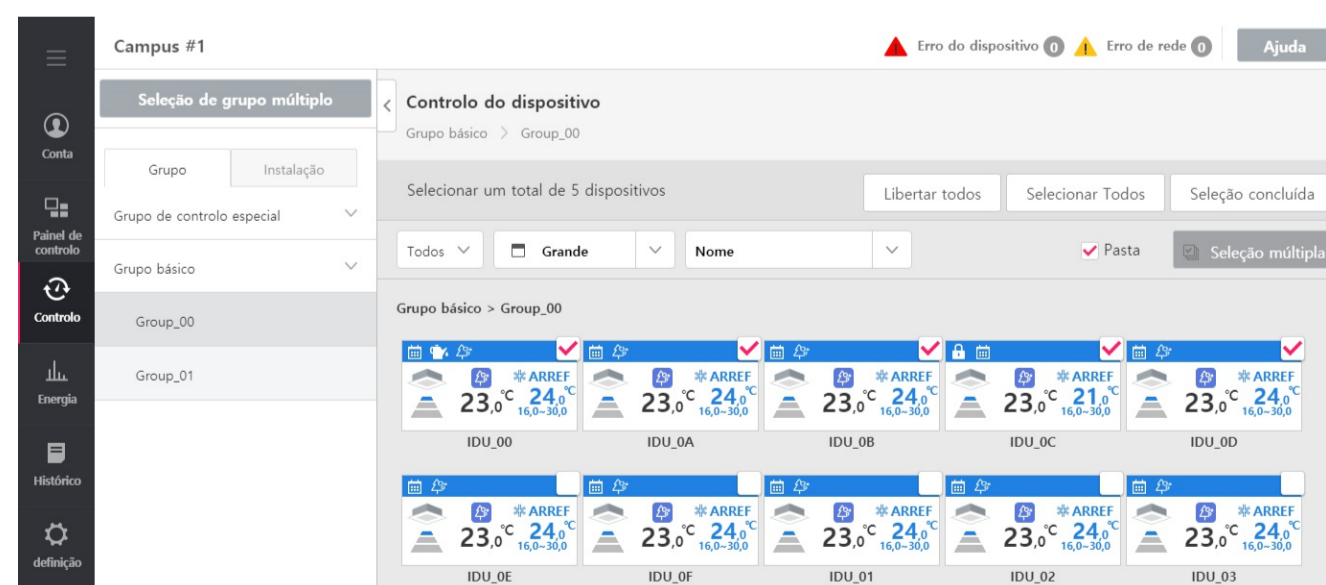
- Pode seleccionar botões múltiplos para todos os botões do filtro.
- Apenas as informações correspondentes são seleccionadas e exibidas.



Tipo de filtro	Categoria do detalhe
Dispositivo	Unidade de interior, Purificador de ar, AHU, refrigerador, ERV, Heating, Dispositivo LIGADO/DESLIGADO, DI, DO, EXP. I/O
Estado	ON, OFF, Água quente ON, Água quente OFF, Horário, controlo da pico, erro, Alarme de substituição do filtro, bloqueio, Alarme de substituição do óleo

4. Na seção de dispositivos, seleccione o dispositivo para controlar.

- Pode seleccionar vários dispositivos ao mesmo tempo para controlar. Para seleccionar todos os dispositivos em determinado grupo, clique no botão **[Seleção múltipla]**, e clique no botão **[Selecionar Todos]**. De acordo com os vários tipos de dispositivos seleccionados, a categoria para controlar é limitada.



5. Na janela de controlo, configure o estado do controlo do equipamento correspondente.

6. Quando a configuração estiver concluída, clique no botão **[Aplicar]**.



Monitorização

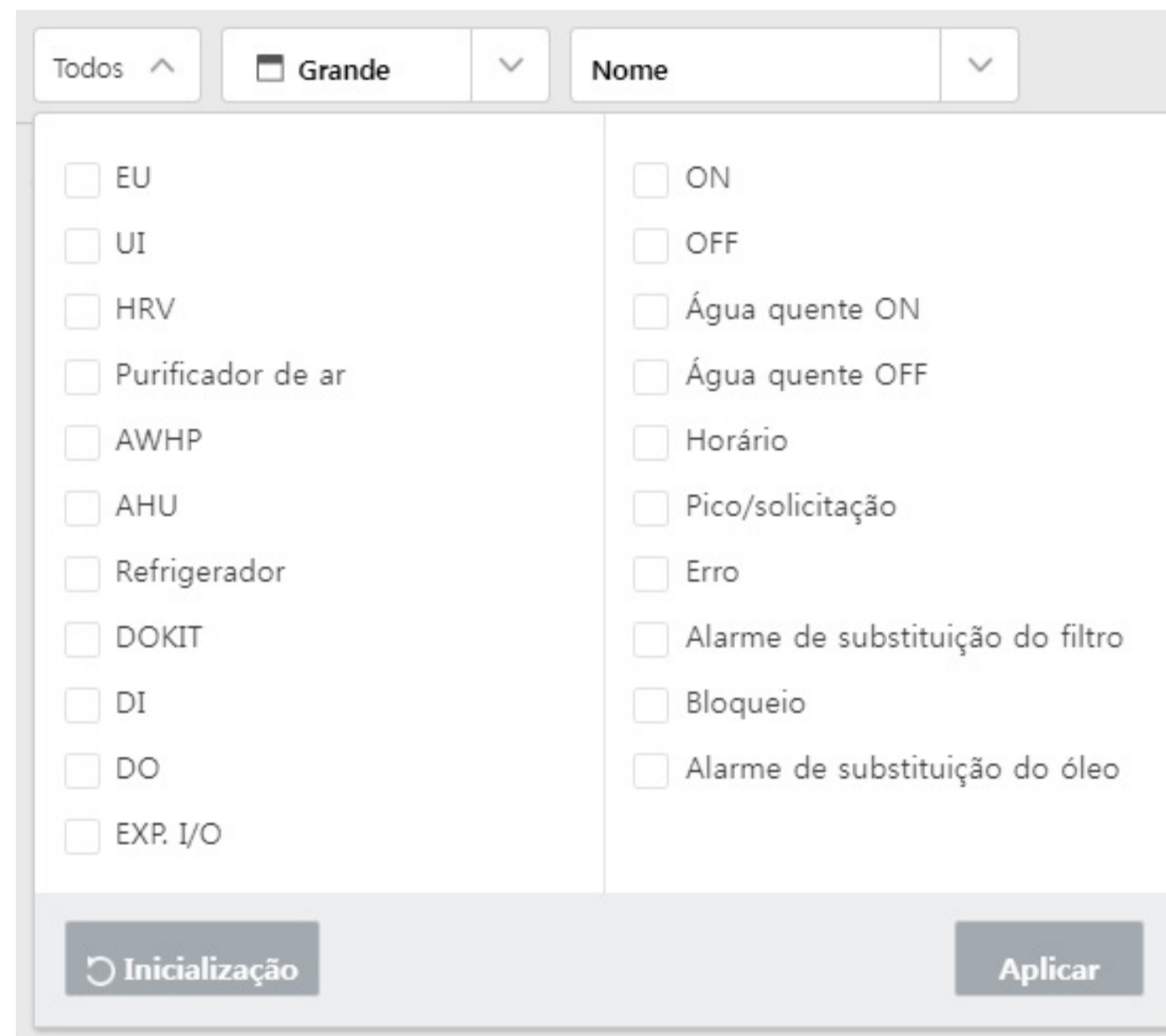
Pode verificar o estado de controlo do dispositivo registado.

1. No separador do menu à esquerda, clique no menu **[Controlo] > [Control de dispositivo]**.
2. No separador de lista de dispositivos, clique no separador pretendido.

Categoria	Descrição
Grupo	Lista de o grupo de gestão previsto para a conveniência
Instalação	Fornecer informações sobre o dispositivo atualmente conectado

3. Na seção do filtro, clique no botão do filtro do tipo de dispositivo ou estado para verificar.

- Pode seleccionar botões múltiplos para todos os botões do filtro.
- Apenas as informações correspondentes são seleccionadas e exibidas.



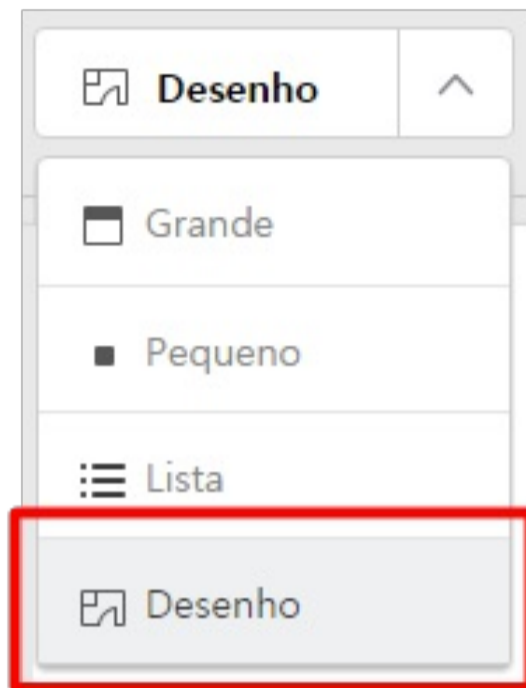
Tipo de filtro	Categoria do detalhe
Dispositivo	Unidade de interior, Purificador de ar, AHU, refrigerador, ERV, Heating, Dispositivo LIGADO/DESLIGADO, DI, DO, EXP. I/O
Estado	ON, OFF, Horário, controlo da pico, erro, Alarme de substituição do filtro, bloqueio, Alarme de substituição do óleo

4. Na seção de dispositivos, verifique a informação do dispositivo.
5. Para verificar o estado de controlo de detalhes do dispositivo, clique no ícone do dispositivo correspondente.
 - A janela de controlo do dispositivo correspondente é exibida.

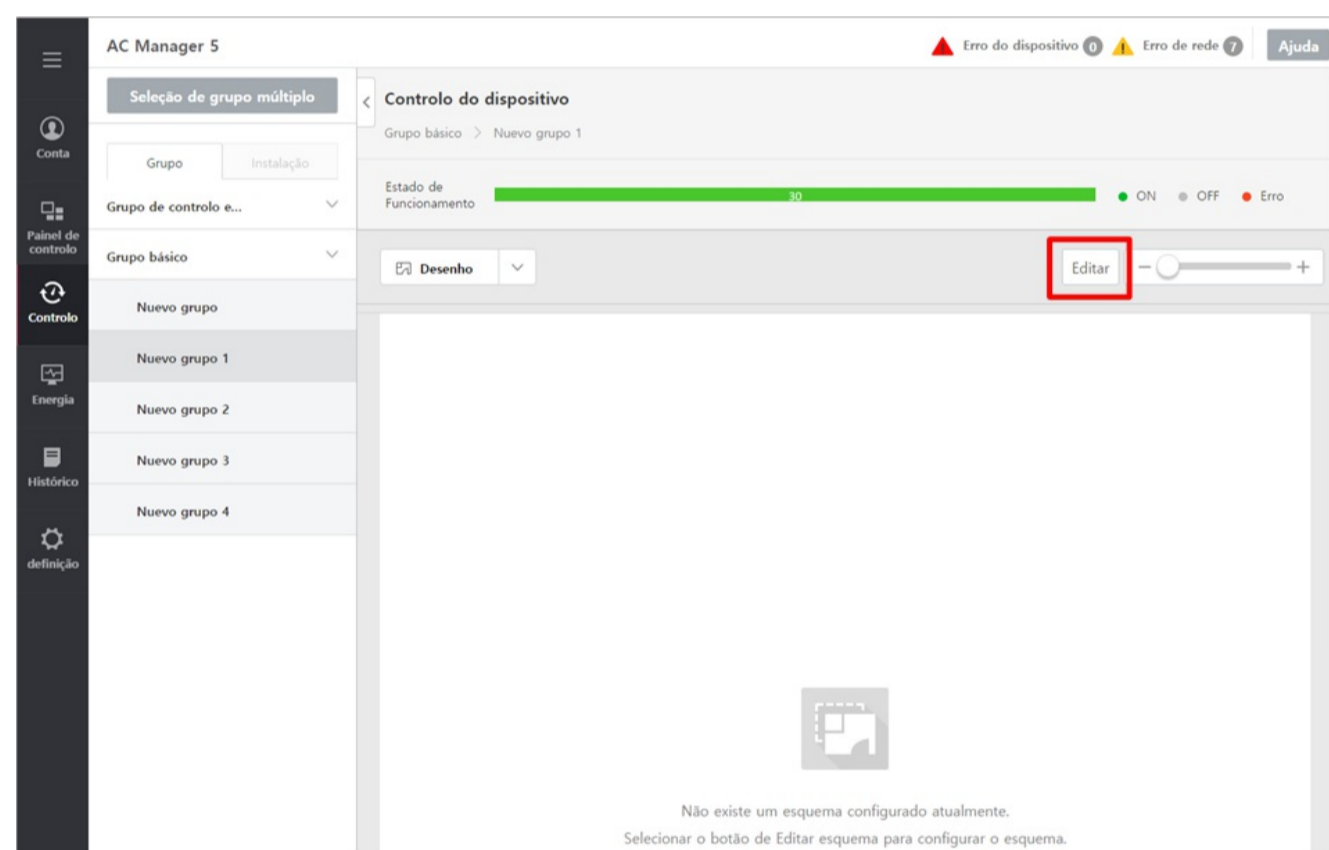
Editar Desenho

Em [definição] > O uso do desenho da [Configuração do sistema] é selecionado como Definir, você pode editar o desenho.

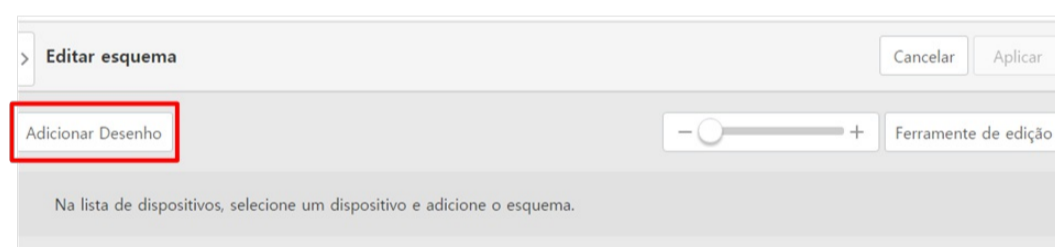
1. No separador do menu à esquerda, clique no menu [Controlo] > [Control de dispositivo].
2. No separador da seção de grupo de dispositivos, clique no separador [Grupo].
 - Quando selecionar o separador [Instalação], o método de visualização [Desenho] é desativado.
3. No método de visualização, clique [Desenho].



4. Clique no botão [Editar].

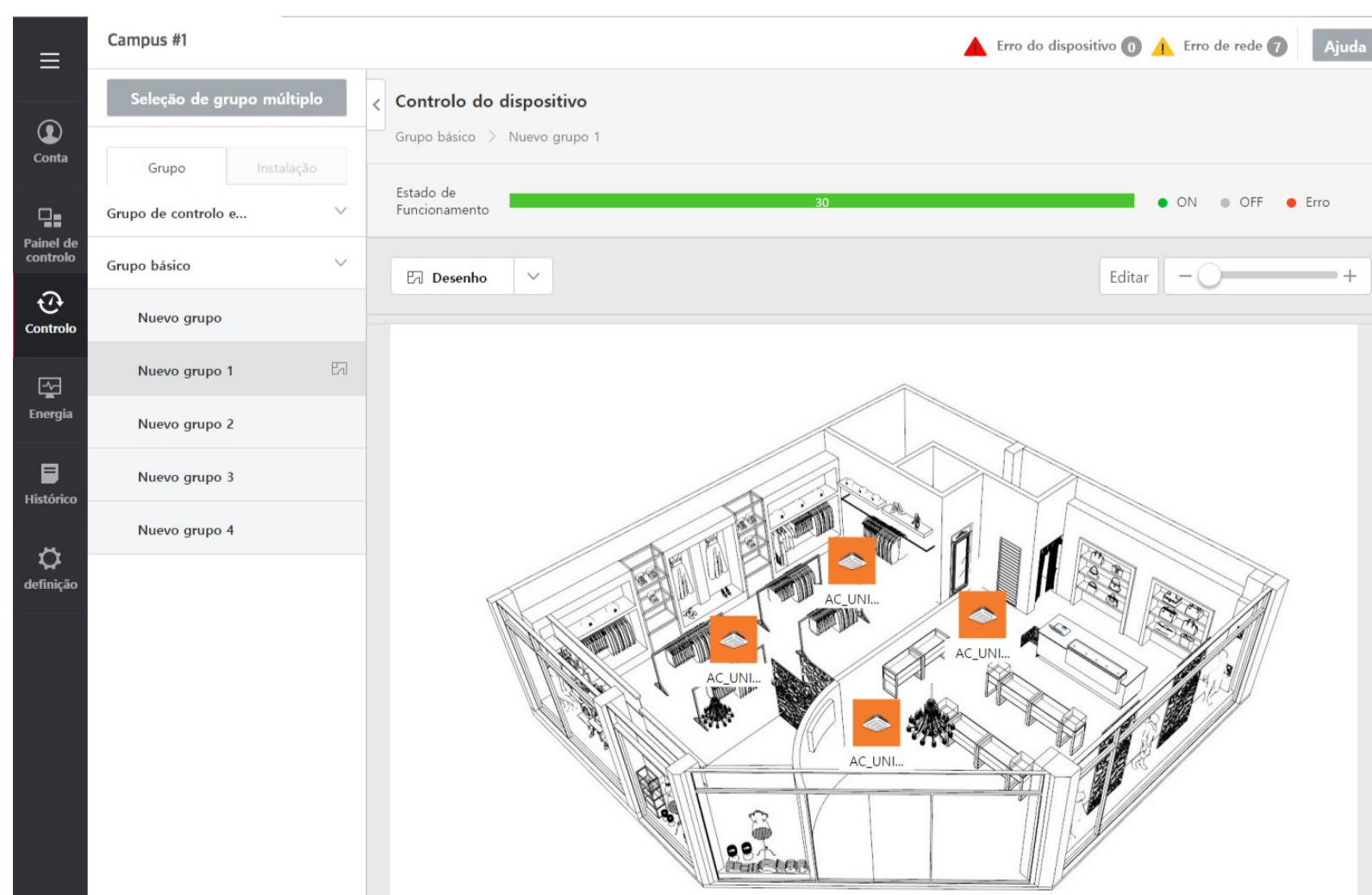


5. Quando adicionar ou alterar um esquema, clique no botão [Adicionar Desenho].

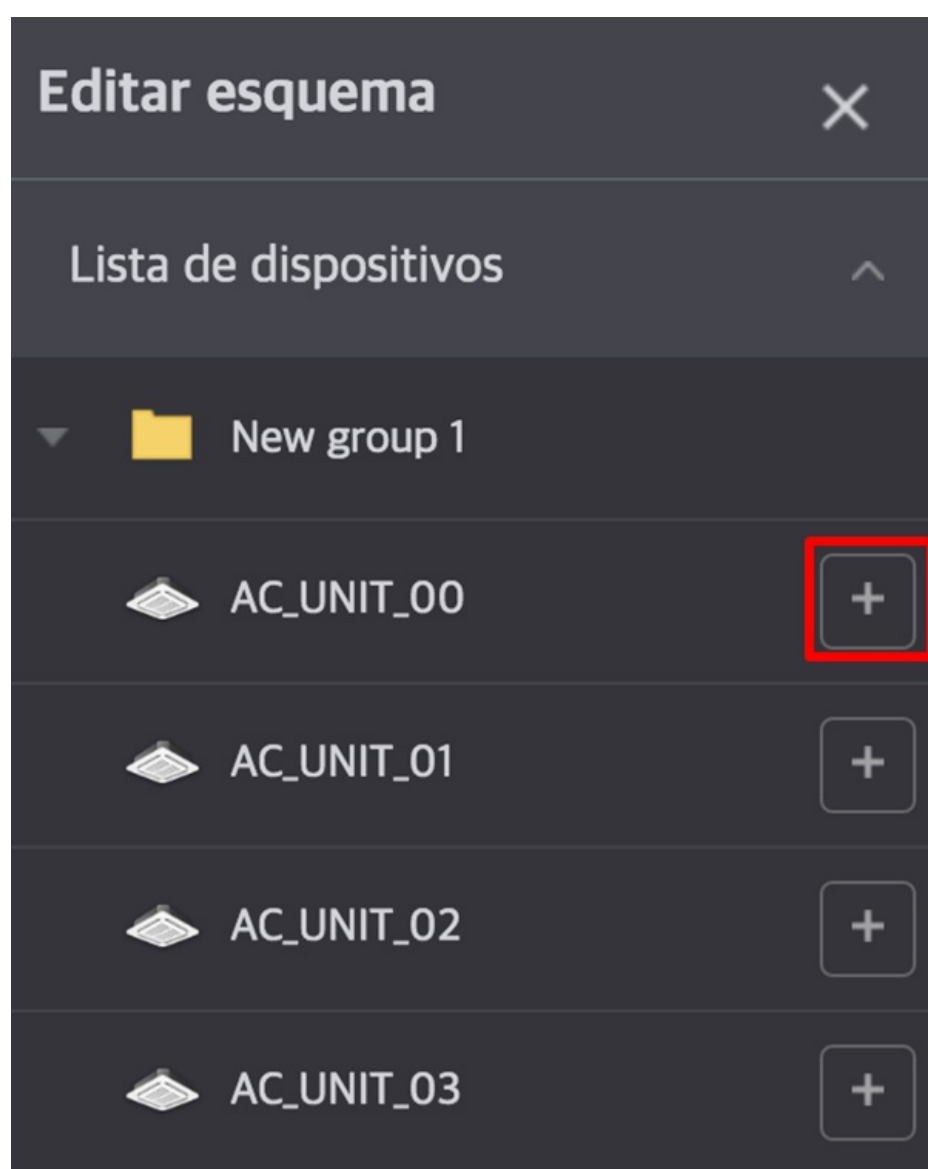


6. Quando a janela de carregamento de ficheiros é exibida, selecione o ficheiro do esquema para adicionar e clique no botão [Open].

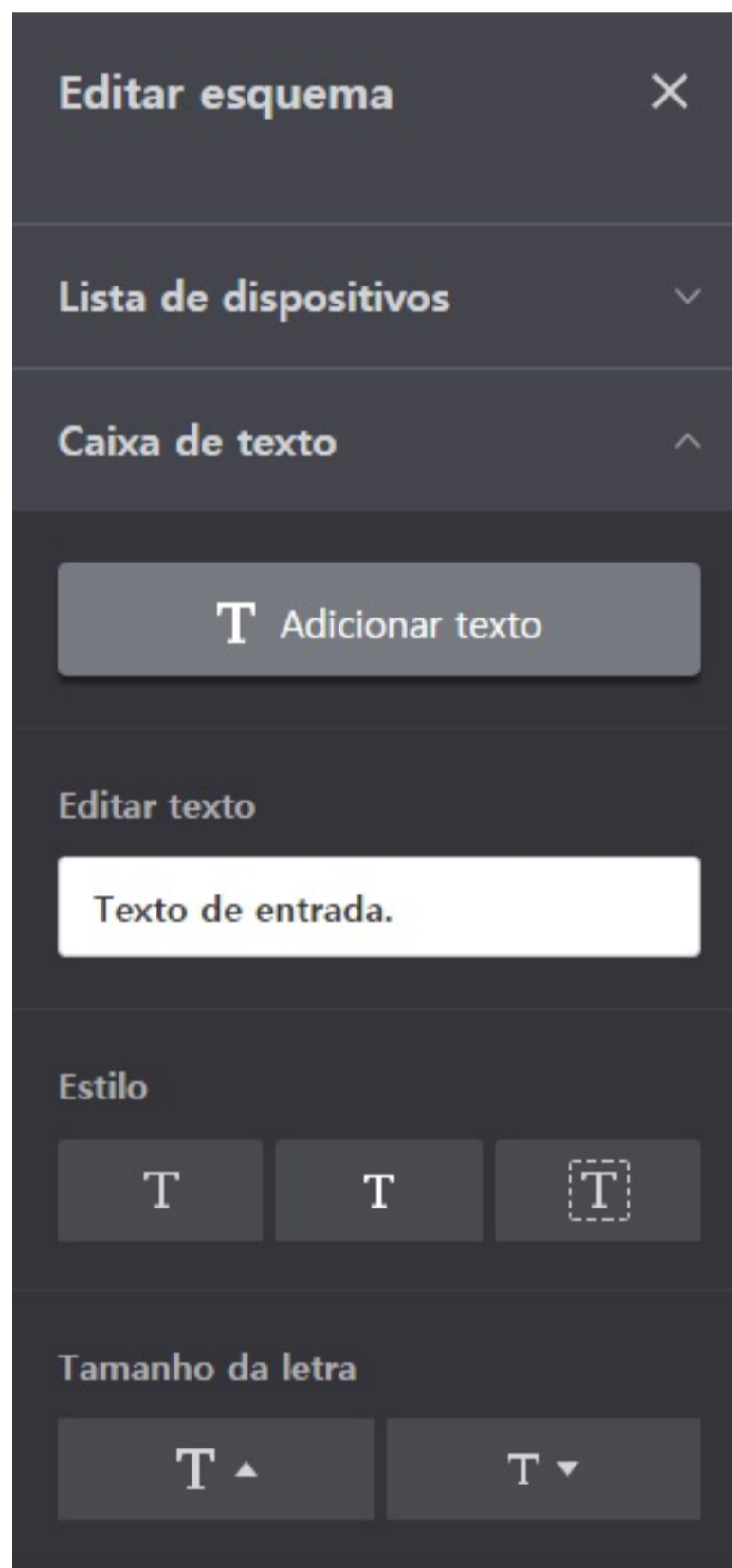
- O esquema selecionado é exibido na tela Editar Esquema.



7. Para adicionar o dispositivo no esquema, selecione o dispositivo pretendido na lista de dispositivos no lado direito da janela Editar esquema, e clique no botão [+]. O dispositivo é adicionado na seção do esquema.

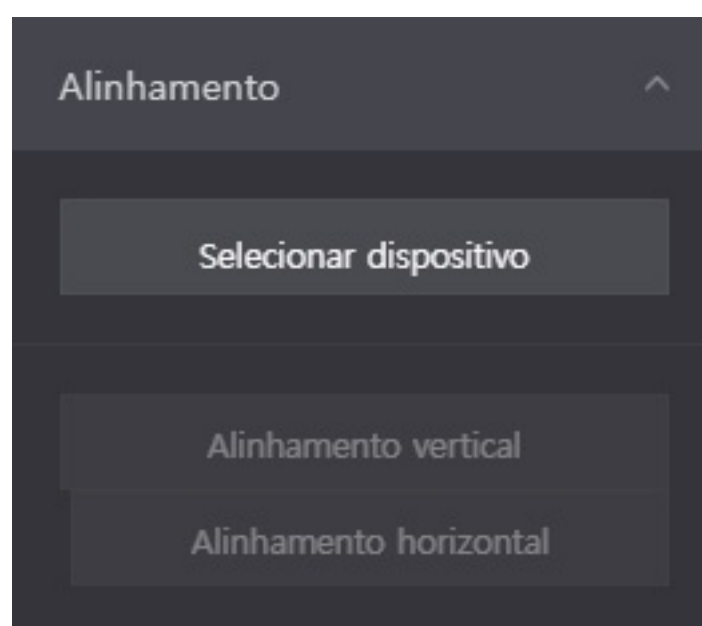



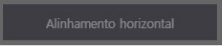
8. Para adicionar texto ou mudar o texto no esquema, utilize a caixa de texto.



Categoria	Descrição
Adicionar texto	Adicione caixa de texto na seção de desenho
Editar texto	Edite o texto na caixa de texto
Estilo	<p>T : Letra normal, negrito, itálico, sublinhado</p> <ul style="list-style-type: none"> • T : Exibição com letra normal • T : Exibição com letra a negrito • <i>T</i> : Exibição com letra em itálico • <u>T</u> : Exibição com letra a sublinhado <p>T : Alterar cor da letra</p> <p>T : Alterar cor do fundo da letra</p>
Tamanho da letra	<p>T ▲ : Letra maior</p> <p>T ▼ : Letra mais pequena</p>

9. Para alinhar os ícones do dispositivo no diagrama, utilize a Caixa de alinhamento.



Categoria	Descrição
Selecionar dispositivo	Selecione um dispositivo para alinhar no diagrama.
Alinhamento	 : Alinha verticalmente os ícones do dispositivo selecionado.  : Alinha horizontalmente os ícones do dispositivo selecionado.

10. Quando a configuração estiver concluída, clique no botão **[Aplicar]**.

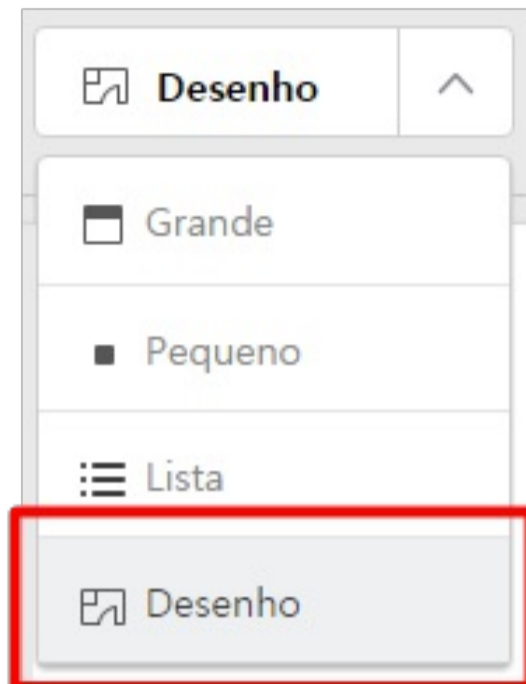
Nota

- Parte da imagem com resolução vertical de 1000px ou mais pode não ser exibida, use uma imagem de resolução adequada de acordo com a resolução da tela.
Em um ambiente com resolução de exibição de 1920x1080, recomenda-se uma imagem de 1478x1000 ou menos.
- Formato de arquivo : jpg, png, bmp / Tamanho máximo : 10MB
- Durante a adição/edição de textos, símbolo especiais (^, "|\) não podem ser usados.
- Pode inserir até 40 caracteres.
- O dispositivo AC Smart 5 não suporta a função de edição da extração.

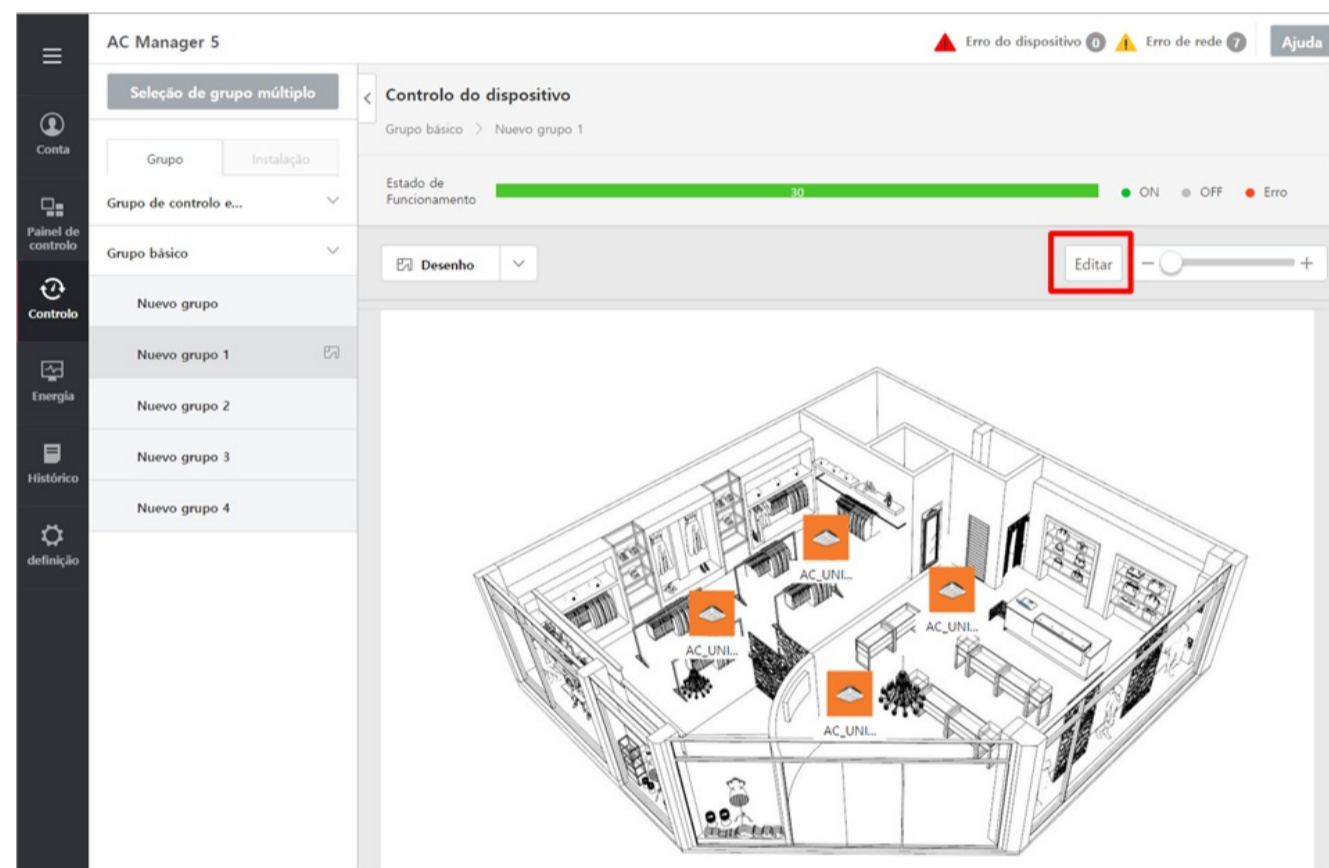
Eliminar Desenho

Pode eliminar o esquema adicionado.

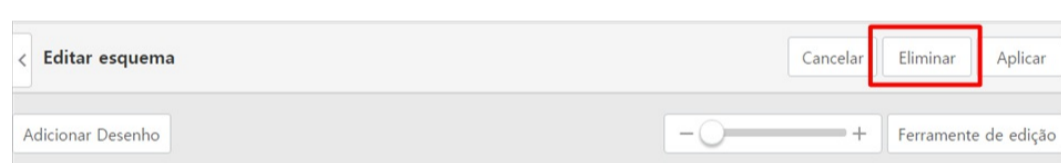
1. No separador do menu à esquerda, clique no menu **[Controlo]** > **[Control de dispositivo]**.
2. No separador da seção de grupo de dispositivos, clique no separador **[Grupo]** .
3. No método de visualização, clique **[Desenho]**.

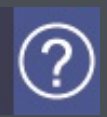


4. Clique no botão **[Editar]**.
 - A janela de edição de dispositivo é exibida.



5. Clique no botão **[Eliminar]** na parte superior.
 - O esquema é eliminado.





Controlo da programação

Programação é a função para acionar o funcionamento do dispositivo com antecedência e permitir ao dispositivo, executar uma operação programada num determinado tempo. Quando utilizar esta função, pode gerir de forma eficiente o funcionamento do dispositivo no tempo para obter um efeito excelente de poupança de energia.

[Schedule]

- Ver programação inteira
- Adicionar Programação
- Eliminar programação
- Copiar programação
- Editar programação

[Exception Date]

- Carregar data de exceção
- Adicionar data de exceção
- Eliminar a data de exceção

Nota

Especificações recomendadas

- Programa: O número de todos os eventos incluídos na programação completa é de 50
- Se estiver configurado para exceder a especificação recomendada, pode ocorrer degradação da performance.



Ver programação inteira

Você pode ver o programa no período estabelecido.

Pode verificar se a programação configurada é aplicada, nome, se pretende repetir, data de início, data de conclusão, e lista de dispositivos, e também verificar diretamente [**Definir**] ou [**Limpar**] a programação pretendida.

Campus #1 ▲ Erro do dispositivo 0 ▲ Erro de rede 7 [Ajuda](#)

Controlo da programação Configurar tod... Libertar todos Adicionar

Se aplicado	Nome	Se repete	Data de início	Data de fim	Dispositivo	Editar
Definir Limpar	Horário 1	Semanal (Seg., Ter., Qua., Qui., Sex.)	08-01-2017	Não especificado	Todos (30), UI (30)	✎
Definir Limpar	Horário 2	Semanal (Sáb., Dom.)	08-01-2017	Não especificado	Todos (46), UI (46)	✎



Adicionar Programação

Pode adicionar uma categoria de programação.

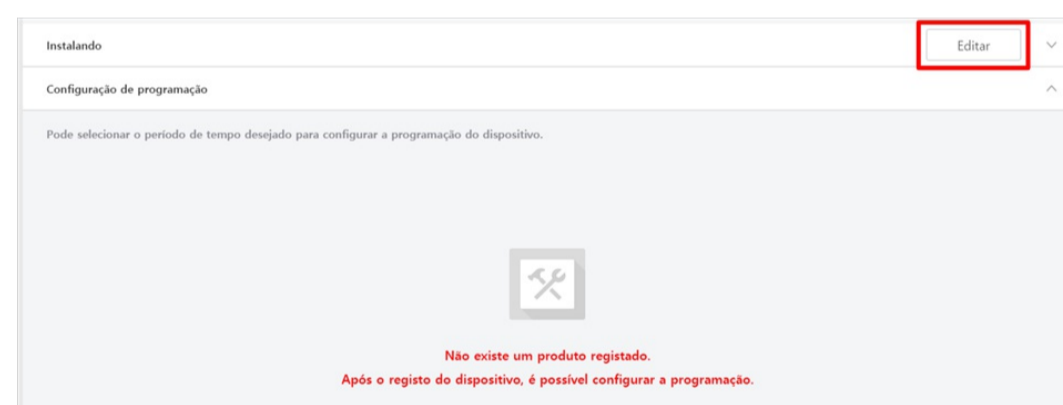
- No separador do menu à esquerda, clique no menu **[Controlo]** > **[Controlo da programação]**.
 - A tela de controlo da programação é exibida.
- No método de visualização, clique no botão **[Adicionar]**.
 - A tela Adicionar programação é exibida.
- No campo de introdução do nome do calendário, insira o nome do calendário pretendido.
- Configure se pretender repetir a programação.

Categoria	Descrição
Uma vez	Aplicar a programação correspondente apenas para um dia designado em [Período]
Seleção do Dia da Semana	Selecione o dia pretendido da semana para repetir apenas no dia correspondente da semana, a partir da data de início até a data de conclusão

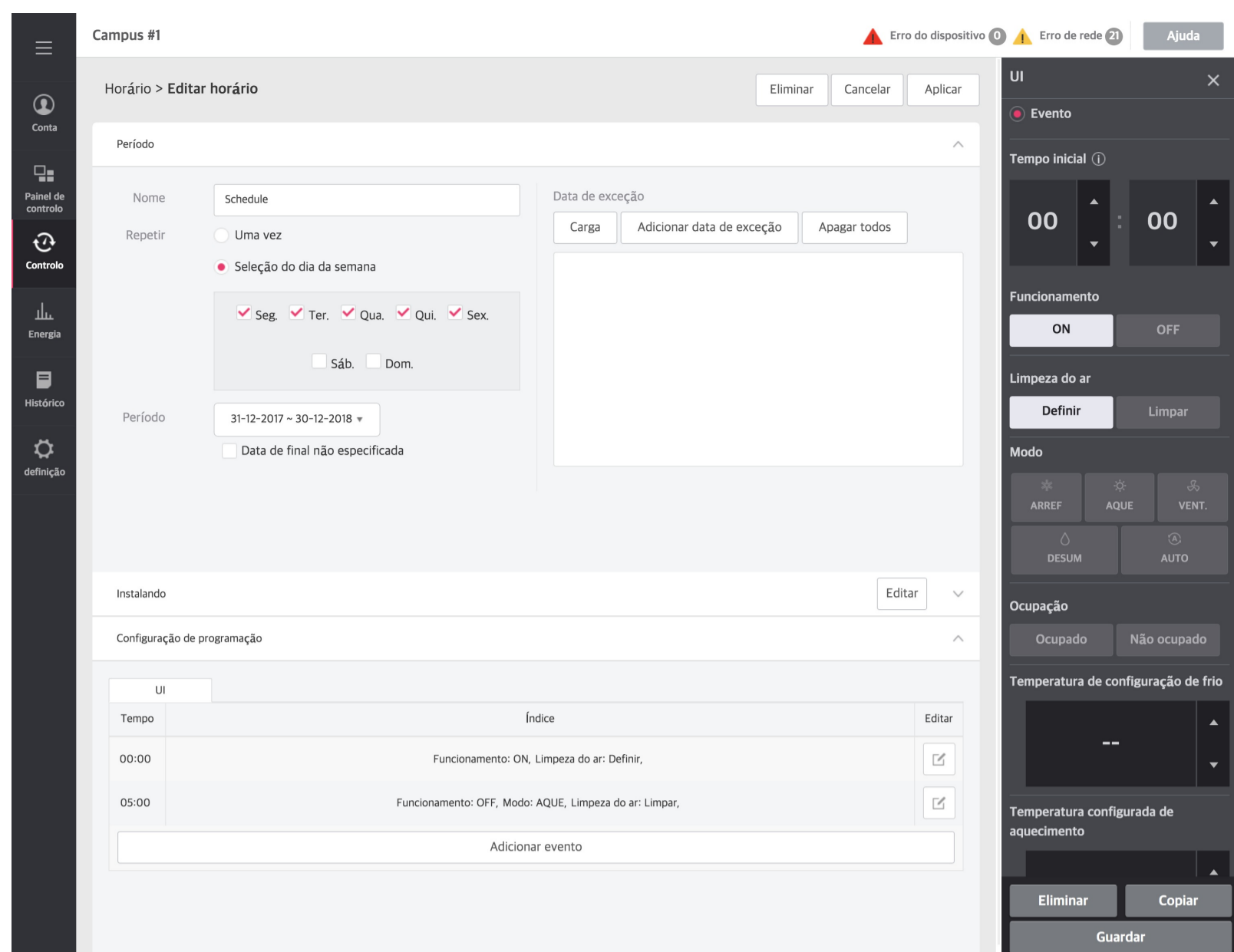
- Configure o período pretendido.
 - Quando a repetição é selecionada como **[Uma vez]**, selecione apenas 1 dia
 - Quando a repetição é selecionada como **[Seleção do dia da semana]**, selecione a data de início e de término

Categoria	Descrição
Inciar Dia	<ul style="list-style-type: none"> Selecione a inciar dia pretendida a partir do mini-calendário Data de início inicial é selecionada como a data de hoje
Terminar Dia	<ul style="list-style-type: none"> Selecione a terminar dia pretendida a partir do mini-calendário Não é possível configurar a terminar dia antes da inciar dia
Data de final não especificada	<ul style="list-style-type: none"> Aplicar a programação repetidamente sem designar a data final

- Para aplicar a data de exceção configurada, clique no botão **[Carga]**.
 - A configuração da data de exceção em **[Definição]** - **[Configuração do sistema]** **Configuração da data programada de exceção Definir** é atualizada e exibida.
- Para aplicar a nova data de exceção, clique o botão **[Adicionar data de exceção]** para configurar o nome do data exceção e data para adicionar.
- Na seção de configuração do dispositivo, clique no botão **[Editar]**.
 - A janela de Editar dispositivo é exibida.

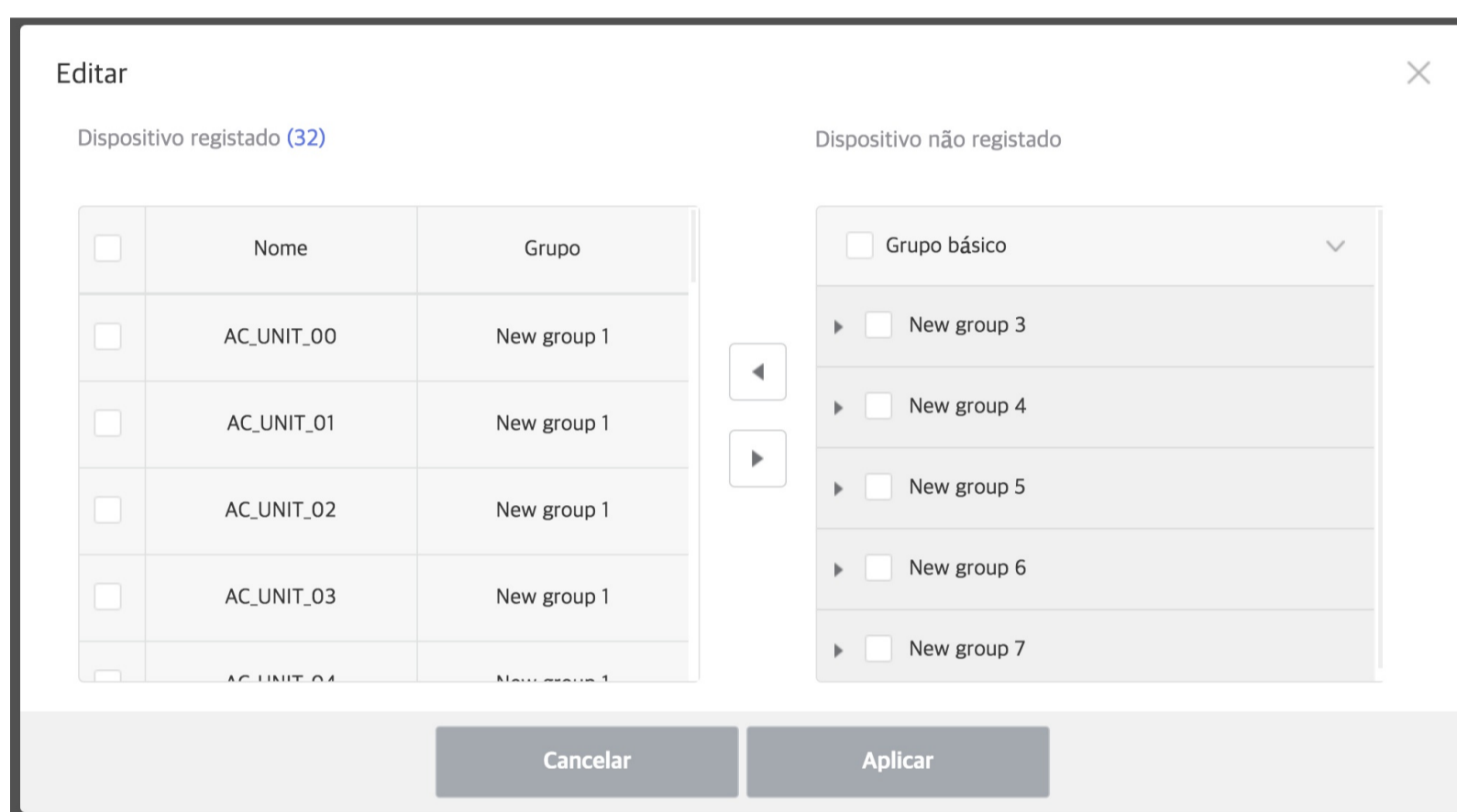


- Na lista de dispositivos não registados, clique na caixa de verificação do dispositivo para registar, e clique no botão **[◀]**.
 - Para registar vários grupos ao mesmo tempo, clique nas caixas de verificação dos grupos para registar e clique no botão **[◀]**.
 - Os dispositivos selecionados são adicionados à lista do dispositivo registado.



10. Quando o registo estiver concluído, clique no botão **[Aplicar]**.

11. Para adicionar um evento de programação, na **Configuração de programação**, selecione a aba tipo de dispositivo e clique no botão **[Adicionar evento]** ou no botão de edição para definir o status de controle do dispositivo na área de controle ao lado direito..



12. Quando a configuração de controlo estiver concluída, clique no botão **[Guardar]**.

13. Quando todas as configurações estiverem concluídas, clique no botão **[Aplicar]**.

Eliminar programação

Pode eliminar a programação já registada.

1. No separador do menu à esquerda, clique no menu **[Controlo]** > **[Controlo da programação]**.
 - A tela de controlo da programação é exibida.
2. Na lista de programação, clique no botão Editar da programação para eliminar.

The screenshot displays the 'Controlo da programação' interface for 'Campus #1'. The main table lists two schedules:

Se aplicado	Nome	Se repete	Data de início	Data de fim	Dispositivo	Editar
Definir Limpar	Schedule	Semanal (Seg., Ter., Qua., Qui., Sex.)	31-12-2017	30-12-2018	Todos (32), UI (32)	[Editar]
Definir Limpar	Schedule-1	Semanal (Seg., Ter., Qua., Qui., Sex.)	31-12-2017	30-12-2018	Todos (32), UI (32)	[Editar]

The 'Schedule' edit window on the right shows the following details:

- Estado de programação: Definir, Limpar
- Repetir: Seg., Ter., Qua., Qui., Sex.
- Data de início: 31-12-2017
- Data de fim: 30-12-2018
- Dispositivo registado: Todos (32), UI (32)
- Data de exceção: Não configurado
- Configurar a minha programação:
 - Tempo: 00:00, Índice: UI
 - Funcionamento: ON, Limpeza do ar: Definir, UI
 - Tempo: 05:00, Índice: UI
 - Funcionamento: OFF, Modo: AQUE, Limpeza do ar: Limpar, UI
- Buttons: Eliminar, Copiar, Editar

3. Na tela da janela Editar do lado direito, clique no botão **[Eliminar]**.
4. Quando a janela pop-up de aviso é criada, clique no botão **[Verifique]**.



Copiar programação

Pode copiar e utilizar o programa registado.

1. No separador do menu à esquerda, clique no menu **[Controlo]** > **[Controlo da programação]**.

- A tela de controlo da programação é exibida.

2. Na lista de programação, clique no botão Editar da programação para copiar.

Se aplicado	Nome	Se repete	Data de início	Data de fim	Dispositivo	Editar
Definir Limpar	Schedule	Semanal (Seg., Ter., Qua., Qui., Sex.)	31-12-2017	30-12-2018	Todos (32), UI (32)	[Editar]
Definir Limpar	Schedule-1	Semanal (Seg., Ter., Qua., Qui., Sex.)	31-12-2017	30-12-2018	Todos (32), UI (32)	[Editar]

Estado de programação

Definir Limpar

Repetir: Seg., Ter., Qua., Qui., Sex.

Data de início: 31-12-2017

Data de fim: 30-12-2018

Dispositivo registado: Todos (32), UI (32)

Data de exceção: Não configurado

Configurar a minha programação

Tempo	Índice
00:00	UI Funcionamento: ON, Limpeza do ar: Definir,
05:00	UI Funcionamento: OFF, Modo: AQUE, Limpeza do ar: Limpar,

Eliminar Copiar

Editar

3. Na tela da janela Editar do lado direito, clique no botão **[Copiar]**.

4. Quando a janela pop-up de aviso é criada, clique no botão **[Verifique]**.

Editar programação

Pode alterar os conteúdos configurados da programação já registado.

1. No separador do menu à esquerda, clique no menu **[Controlo]** > **[Controlo da programação]**.
 - A tela de controlo da programação é exibida.
2. Na lista de programação, clique no botão Editar da programação para editar.

The screenshot shows the 'Controlo da programação' interface for 'Campus #1'. The main area displays a table of schedules with columns: 'Se aplicado', 'Nome', 'Se repete', 'Data de início', 'Data de fim', 'Dispositivo', and 'Editar'. Two rows are visible: 'Schedule' and 'Schedule-1', both with a 'Semanal' frequency and 'Todos (32), UI (32)' devices. A date range '31-12-2016 ~ 31-12-2017' is selected. A 'Schedule' modal is open on the right, showing 'Estado de programação' with 'Definir' and 'Limpar' buttons. It lists 'Repetir' as 'Seg., Ter., Qua., Qui., Sex.', 'Data de início' as '31-12-2017', 'Data de fim' as '30-12-2018', and 'Dispositivo registado' as 'Todos (32) UI (32)'. The 'Data de exceção' is 'Não configurado'. The modal also includes a 'Configurar a minha programação' section with a table of times and indices, and buttons for 'Eliminar', 'Copiar', and 'Editar'.

Tempo	Índice
00:00	UI Funcionamento: ON, Limpeza do ar: Definir, UI
05:00	UI Funcionamento: OFF, Modo: AQUE, Limpeza do ar: Limpar,

3. Na tela da janela Editar do lado direito, clique no botão **[Editar]**.
4. Editar o conteúdo da programação.
 - Para verificar o conteúdo de detalhes, verifique a categoria 'Adicionar Programação'.



Carregar data de exceção

Pode carregar uma data de exceção já configurada.

1. No separador do menu à esquerda, clique no menu **[Controlo]** > **[Controlo da programação]**.
 - A tela de controlo da programação é exibida.
2. No método de visualização, clique no botão **[Adicionar]**.
 - A tela Adicionar programação é exibida.
3. No separador da data de exceção, clique no botão **[Carga]**
 - A configuração da data de exceção em **[Definição] - [Configuração do sistema] Configuração da data programada de exceção Definir** é atualizada e exibida.

Data de exceção	Carga	Adicionar data de exceção	Apagar todos
2017-01-01	Dia de Ano Novo		✕
2017-06-10	Dia de Portugal		✕
2017-12-25	Dia de Natal		✕



Adicionar data de exceção

Pode adicionar nova data de exceção.

1. No separador do menu à esquerda, clique no menu **[Controlo]** > **[Controlo da programação]**.
 - A tela de controlo da programação é exibida.
2. No método de visualização, clique no botão **[Adicionar]**.
 - A tela Adicionar programação é exibida.
3. No separador da data de exceção, clique no botão **[Adicionar data de exceção]**
 - A tela Adicionar data de exceção é exibida.

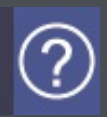
Adicionar data de exceção ×

Configurar data de exceção

Nome

2017 Janeiro						
SEG	TER	QUA	QUI	SEX	SÁB	DOM
26	27	28	29	30	31	01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	01	02	03	04	05

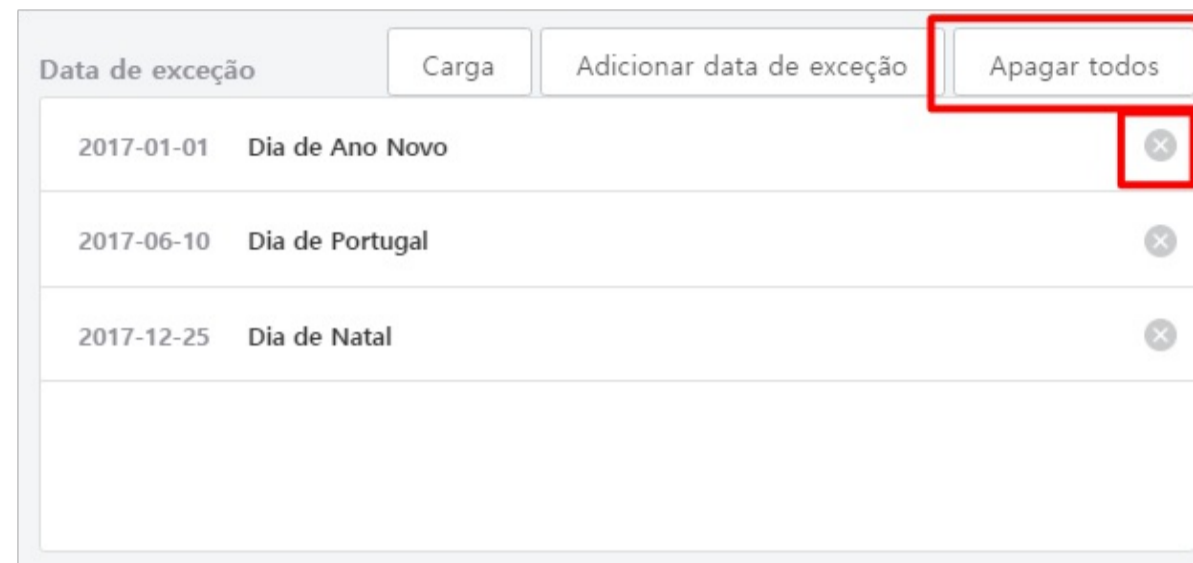
4. Insira o nome pretendido da data de exceção.
5. Selecione a data de exceção para configurar.
6. Quando a seleção estiver concluída, clique no botão **[Aplicar]**.



Eliminar a data de exceção

Pode eliminar a data de exceção já registado.

1. No separador do menu à esquerda, clique no menu **[Controlo]** > **[Controlo da programação]**.
 - A tela de controlo da programação é exibida.
2. Na tela Editar programação, clique no botão **[X]** para eliminar a data de exceção.
 - Para eliminar a categoria inteira, clique no botão **[Apagar todos]**.



Interligação

O Interligação é a função de interface com um ou mais equipamentos e serve para controlar o funcionamento de saída quando as condições de entrada são satisfeitas. Para o controlo da interface de equipamento, precisa agrupar mutuamente a interface num grupo e aplicar a configuração de controlo. Descreve o método para criar e gerir o grupo e o método de Interligação.

1. No separador do menu à esquerda, clique no menu **[Controlo] > [Interligação]**.

- A tela de Interligação é exibida.

The screenshot shows the 'Interligação' configuration screen. On the left is a dark sidebar with navigation icons for 'Conta', 'Painel de controlo', 'Controlo', 'Energia', 'Histórico', and 'definição'. The main area is titled 'Campus #1' and contains a '+ Adicionar' button, 'Todos (1)' with 'Configurar todos' and 'Libertar todos' buttons, and an 'InterLocking' section with 'Definir' and 'Limpar' buttons. The main content area shows 'InterLocking AND, padrão geral' with 'Eliminar' and 'Editar' buttons. Below this are two tables: 'Introdução (1)' and 'Condição de saída 1 (2)'. The 'Introdução (1)' table has one row: UI, AC_UNIT_00, 00, New group 1, Funcionamento(ON) Modo(ARREF). The 'Condição de saída 1 (2)' table has two rows: UI, AC_UNIT_01, 01, New group 1, Funcionamento(ON) Modo(AUTO) and UI, AC_UNIT_02, 02, New group 1, Funcionamento(ON) Modo(AUTO). At the top right, there are status indicators for 'Erro do dispositivo 0' and 'Erro de rede 21', and an 'Ajuda' button.

2. Na lista de grupo, seleccione o grupo para verificar a configuração.

- O estado da configuração do grupo correspondente é exibido na tela.

3. Na lista de grupos, quando clica no botão **[Definir]** / **[Limpar]**, pode configurar a operação da Interligação.

4. Para iniciar todos os grupos registados, clique no botão **[Configurar todos]** e parar tudo, clique no botão **[Libertar todos]**.

Nota

Especificações recomendadas

- **Controle da interface do equipamento:** o número de padrões é 20, o número de dispositivos de entrada é 500 e o número de dispositivos de saída é 1000
- **Se estiver configurado para exceder a especificação recomendada, pode ocorrer degradação da performance.**

Adicionar/editar a Interligação

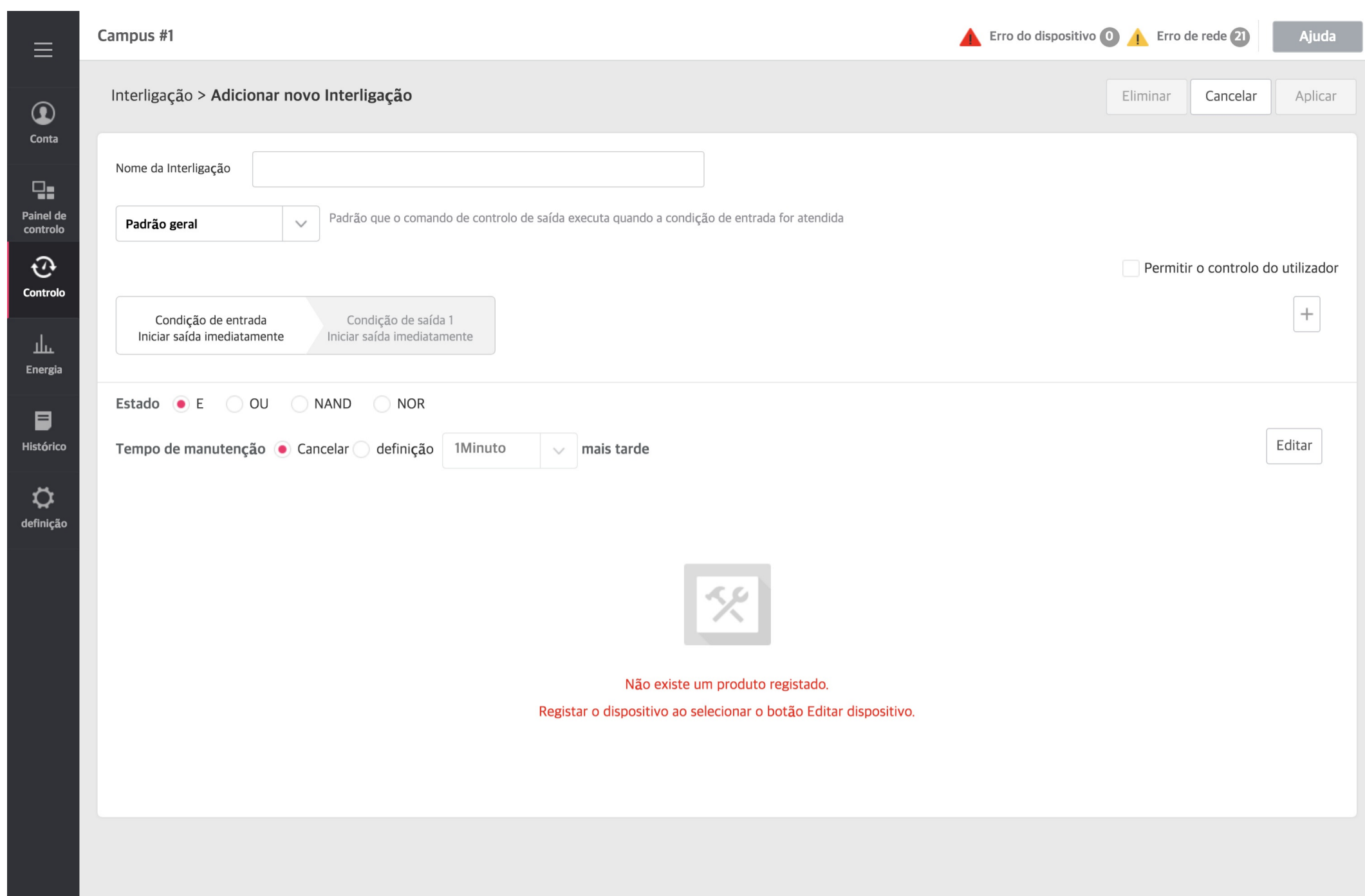
Pode adicionar e editar a nova Interligação.

1. No separador do menu à esquerda, clique no menu **[Controlo] > [Interligação]**.

- A tela de Interligação é exibida.

2. Clique no botão **[+ Adicionar]**.

- A tela de para adicionar Interligação é exibida.



3. No campo de inserção do nome da Interligação, insira o nome da Interligação pretendida.

4. Escolha um tipo de padrão.

Categoria	Descrição
Padrão geral	<ul style="list-style-type: none"> O padrão que o comando de controlo de saída executa quando a condição de entrada for satisfeito
Copiar padrão	<ul style="list-style-type: none"> O padrão que o dispositivo de saída segue o estado do dispositivo de entrada (Algumas funções de controle podem não ser copiadas.) Pode adicionar apenas 1 dispositivo para a condição de entrada, e só é registado o dispositivo com os mesmos atributos do que o dispositivo de entrada adicionado
Padrão de emergência	<ul style="list-style-type: none"> O padrão que reconhece como situação de emergência quando a condição de entrada está satisfeita Quando a condição de entrada é satisfeita, este indica o alarme na tela e som
1:1 padrão	<ul style="list-style-type: none"> Padrão para registrar convenientemente muitos dispositivos se o dispositivo de entrada for o mesmo que o dispositivo de saída

5. Selecione se permite o controlo do utilizador. (Somente é possível um padrão geral)

- Quando a caixa de seleção estiver marcada, mesmo que o estado seja alterado pela Interligação, o utilizador pode alterar o estado do equipamento.

6. Definir a condição da interface do equipamento. Quando você pressiona o botão [+], você pode adicionar até 3 condições de saída.

- Isso só é exibido quando o separador de condição de entrada for selecionado.

Categoria	Descrição
Estado	<ul style="list-style-type: none"> E: todas as condições dos dispositivos são correspondentes OR: coincide uma ou mais condições do dispositivo NAND: uma ou mais condições do dispositivo não coincidem NOR: nenhuma condição coincide
Tempo de manutenção	Se estiver configurado, enquanto todas as condições de entrada forem atendidas, o controle da condição de saída depois de manter o tempo Pressione o botão [▼] para selecionar o tempo de manutenção

- Isso só é exibido quando o separador de condição de saída for selecionado.

Categoria	Descrição
Enviar e-mail	Quando é marcada a caixa de verificação, quer o evento correspondente seja executado em ACP, quer se o evento estiver a ocorrer, é enviado o e-mail de configuração Configuração do sistema> Configuração de administrador> Endereço de e-mail de receção. <ul style="list-style-type: none"> ACP deve ser conectado a uma rede de internet que possa enviar e-mail.
Tempo de atraso	Se estiver configurado, quando a condição de entrada for atendida, a condição de saída é controlada após o tempo de atraso registrado Pressione o botão [▼] para selecionar o tempo de atraso <ul style="list-style-type: none"> Se a condição de entrada for atendida, mesmo que se torne um status que não atenda a condição de entrada durante o tempo de atraso, a condição de saída é controlada após o tempo de atraso.

7. Para adicionar dispositivos, clique no botão [Editar].

- A janela pop-up Editar dispositivo é exibida.

8. Na lista de dispositivos selecionável, clique na caixa de verificação do dispositivo para registar, e clique no botão [◀].

- Para registar vários grupos ao mesmo tempo, clique nas caixas de verificação dos grupos para registar e clique no botão [◀].
- Os dispositivos selecionados são adicionados à lista do dispositivo registado.

Dispositivo registado (16)

<input type="checkbox"/>	Endereço	Nome	Grupo
<input type="checkbox"/>	10	AC_UNIT_1	Nuevo grupo 1
<input type="checkbox"/>	11	AC_UNIT_1	Nuevo grupo 1
<input type="checkbox"/>	12	AC_UNIT_1	Nuevo grupo 1
<input type="checkbox"/>	13	AC_UNIT_1	Nuevo grupo 1
<input type="checkbox"/>	14	AC_UNIT_1	Nuevo grupo 1

Dispositivo seleccionável (184)

AC Smart

- AC Smart
- ▶ ODU[00]
- ▼ ODU[01]
- ▶ ODU[02]
- ▶ ODU[03]

Cancelar Aplicar

9. Quando o registo estiver concluído, clique no botão **[Aplicar]**.

10. Clique no botão **[Condição]** do dispositivo registado.

Estado E: todas as condições dos dispositivos são correspondentes OU: um ou mais condições dos dispositivos são correspondentes

Editar

Nome	Endereço	ACP	Grupo	Condição	
AC_UNIT_10	10	ACP IV	Nuevo grupo 1	Funcionamento (ON) Erro (Normal) Modo (AQUE)	Condição
AC_UNIT_11	11	ACP IV	Nuevo grupo 1	Funcionamento (ON) Erro (Normal) Modo (AQUE)	Condição

11. Na seção da janela de controlo do lado direito, configure o estado de controlo pretendido.

12. Selecione a guia condição de saída e execute os processos N ° 7 ~ 11 em essa ordem.

13. Para gravar os conteúdos controláveis, clique no botão **[Aplicar]**.

Nota

Significado das condições de cheiro por nível

- Valor de referência 2 : Fraco
- Valor de referência 4 : Médio
- Valor de referência 5 : Forte
- Valor de referência 6 : Muito forte

Eliminar a Interligação

Pode eliminar a Interligação registada.

1. No separador do menu à esquerda, clique no menu **[Controlo] > [Interligação]**.
 - A tela de Interligação é exibida.
2. Na lista de Interligação, selecione o grupo que deseja eliminar e clique no botão **[Eliminar]**.
3. Quando a janela pop-up para eliminar a Interligação for exibida, clique no botão **[Sim]**.
 - Na lista de controlo da Interligação, a categoria seleccionada é eliminada.

Controlo limite do tempo

Pode controlar o dispositivo para funcionar durante o tempo configurado e parar automaticamente.

1. No separador do menu à esquerda, clique no menu **[Controlo] > [Controlo limite do tempo]**.
2. Na lista de grupo, seleccione o grupo para verificar a configuração.
 - O estado da configuração do grupo correspondente é exibido na tela.
3. Na lista de grupos, pode clicar no botão **[Definir]** / **[Limpar]** para configurar a operação de limite de tempo.
4. Para iniciar todos os grupos registados, clique no botão **[Configurar todos]** e parar tudo, clique no botão **[Libertar todos]**.

The screenshot shows the 'Controlo limite do tempo' interface. On the left, there is a sidebar with navigation options: Conta, Painel de controlo, Controlo (selected), Energia, Histórico, and definição. The main area displays 'Campus #1' and 'Controlo limite do tempo'. It includes buttons for '+ Adicionar novo grupo', 'Configurar todos', 'Libertar todos', and 'Definir'/'Limpar' for 'group1' and 'group2'. The 'group1' configuration shows 'Controlo do limite do tempo: 1', 'Dia da semana aplicado: Seg./Ter./Qua./Qui./Sex./Sáb./Dom.', and 'Tempo de aplicação: Todo o dia'. Below this is a table titled 'Dispositivo registado (16)' with columns: Tipo, Nome, Endereço, Tempo de util..., Tempo restante, Funcionamento, Temperatura..., Definir Tempe..., Modo, Água quente, and Grupo. The table lists 10 devices (IDU_00 to IDU_09) all with 'ON' status and '23,0 °C' temperature.

Tipo	Nome	Endereço	Tempo de util...	Tempo restante	Funcionamento	Temperatura ...	Definir Tempe...	Modo	Água quente	Grupo
UI	IDU_00	00	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00
UI	IDU_01	01	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00
UI	IDU_02	02	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00
UI	IDU_03	03	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00
UI	IDU_04	04	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00
UI	IDU_05	05	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00
UI	IDU_06	06	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00
UI	IDU_07	07	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00
UI	IDU_08	08	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00
UI	IDU_09	09	0Minuto	60Minuto	ON	23,0 °C	24,0 °C	* ARREF	-	Group_00

Nota

Especificações recomendadas

- Operação de tempo limitado: o número de grupos é 10
- Se estiver configurado para exceder a especificação recomendada, pode ocorrer degradação da performance.

Adicionar/editar o grupo do limite de tempo da operação contínua

Pode adicionar e editar o grupo do limite de tempo da operação contínua.

1. No separador do menu à esquerda, clique no menu **[Controlo] > [Controlo limite do tempo]**.
 - A tela do limite de tempo da operação contínua é exibida.
2. Clique no botão **[+ Adicionar novo grupo]**.
 - A tela para Adicionar um novo grupo é exibida.
 - Ao editar, quando selecciona o grupo para editar e clicar no botão **[Editar]**, é exibida a seguinte tela.

Campus #1 ▲ Erro do dispositivo 0 ▲ Erro de rede 0 Ajuda

Controlo limite do tempo > Adicionar novo grupo Cancelar Aplicar

Nome do grupo

Tempo de funcionamento contínuo


Dia da semana aplicado Seg. Ter. Qua. Qui. Sex. Sáb. Dom.

Tempo de aplicação Todo o dia Definição da secção

Hora de início :

Hora de fim :

Dispositivo registado Editar

Tipo	Nome	Endereço	Grupo
 Não existe um produto registado. Registrar o dispositivo ao selecionar o botão Editar dispositivo.			

3. Insira o nome do grupo.

4. Seleccione o tempo de funcionamento contínuo, dias da semana para aplicação e hora de aplicação.

Categoria	Descrição
Tempo de funcionamento contínuo	<ul style="list-style-type: none"> Pressione o botão [▼], e defina o tempo de operação contínua desejado (1 hora ~ 4 horas)
Dia da semana aplicado	<ul style="list-style-type: none"> Selecione a caixa de verificação para seleccionar o dia da semana para executar a operação de limite de tempo
Hora de aplicação	Assinale a caixa para seleccionar a hora para iniciar o funcionamento com limite de tempo. <ul style="list-style-type: none"> Todo o dia: Executa o funcionamento com limite de tempo durante 24 horas Definir período: Executa o funcionamento com limite de tempo da hora de início à hora de fim definidas pelo utilizador

5. Para adicionar dispositivos, clique no botão [Editar].

- A janela pop-up Editar dispositivo é exibida.

Editar ×

Dispositivo registado (16)

<input type="checkbox"/>	Tipo	Nome	Grupo
<input type="checkbox"/>	UI	AC_UNIT_3_0	Nuevo grup o 3
<input type="checkbox"/>	UI	AC_UNIT_3_1	Nuevo grup o 3
<input type="checkbox"/>	UI	AC_UNIT_3_2	Nuevo grup o 3
<input type="checkbox"/>	UI	AC_UNIT_3_3	Nuevo grup o 3
<input type="checkbox"/>	UI	AC_UNIT_3_4	Nuevo grup o 3

Dispositivo seleccionável (70)

ACPI[0] ▼

- ACP ▼
- ▶ ODU[00]
- ▶ ODU[04]
- ▶ ODU[05]
- ▶ ODU[06]

◀
▶

Cancelar
Aplicar

6. Na lista de dispositivos seleccionável, clique na caixa de verificação do dispositivo para registar, e clique no botão [◀].

- Para o controlo do limite de tempo, pode registar todos os dispositivos, exceto AHU, Heating, DI, DO, ON/OFF, Refrigerador, e um dispositivo de Exp.I/O.
- Para registar vários grupos ao mesmo tempo, clique nas caixas de verificação dos grupos para registar e clique no botão [◀].
- Os dispositivos seleccionados são adicionados à lista do dispositivo registado.

7. Quando o registo do dispositivo é concluído, clique no botão [Aplicar] da janela pop-up do dispositivo.

8. Clique no botão [Aplicar] na parte superior do lado direito.

Eliminar o Controlo limite do tempo

Pode eliminar o grupo de Controlo limite do tempo.

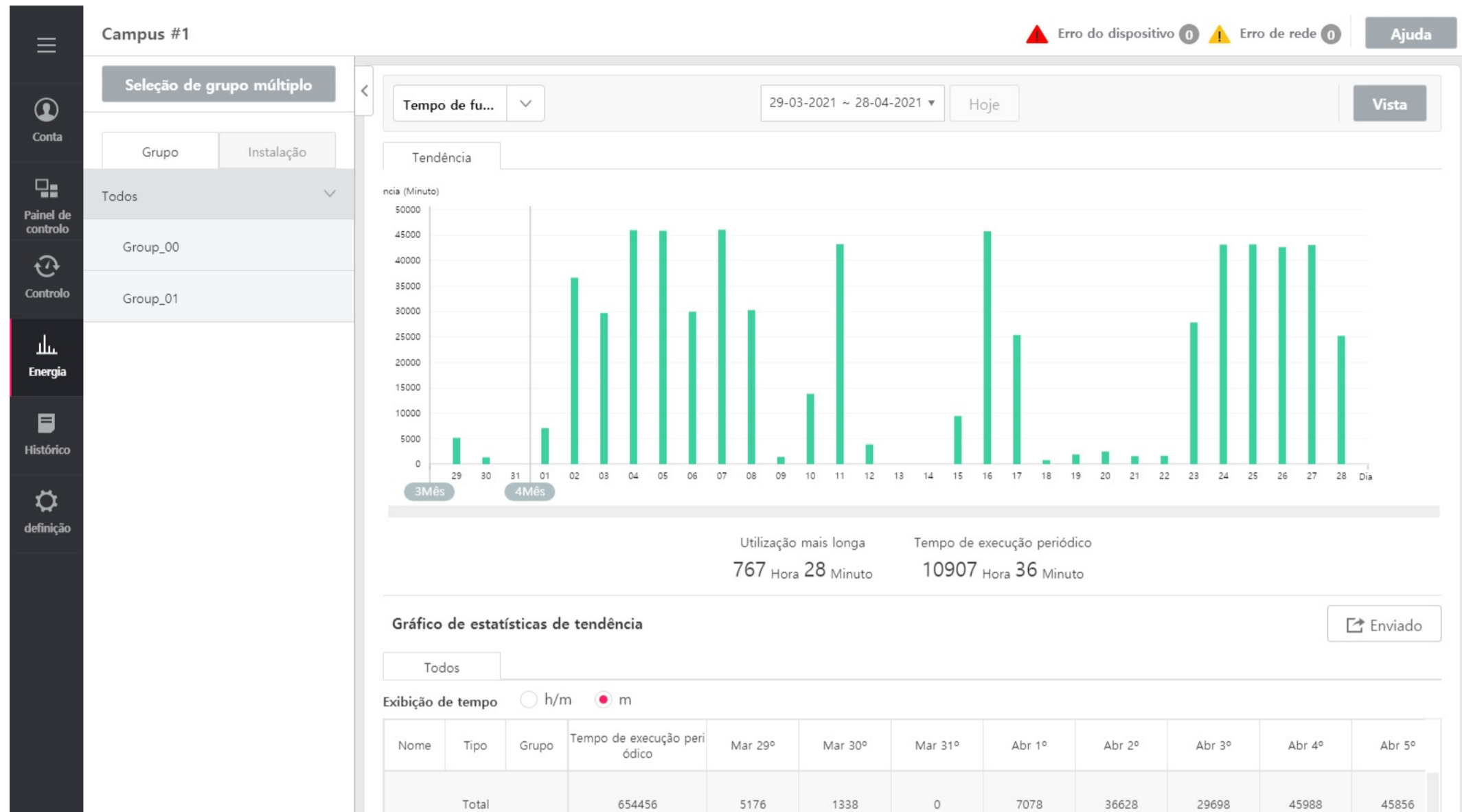
1. No separador do menu à esquerda, clique no menu **[Controlo] > [Controlo limite do tempo]**.
 - A tela do limite de tempo da operação contínua é exibida.
2. Na lista de grupos, selecione o grupo a ser eliminado e clique no botão **[Eliminar]**.
3. Quando a janela pop-up para Eliminar o grupo for exibida, clique no botão **[Sim]**.

Utilização de energia

Descreve o método para verificação do tempo de operação do dispositivo, a quantidade de utilização de eletricidade, a quantidade de utilização de eletricidade (quantidade total ao longo do tempo), quantidade de utilização de gás, TOE e CO₂ com os valores e gráficos.

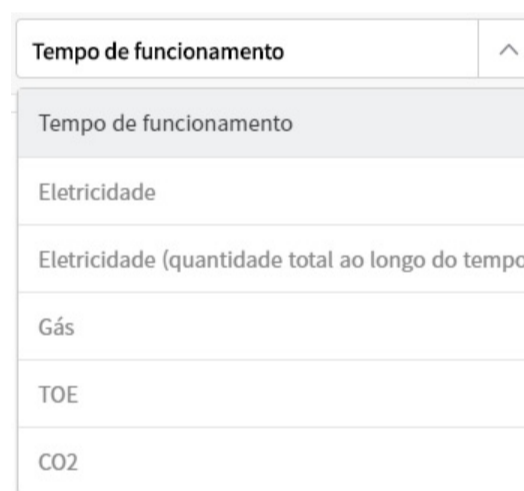
1. No separador do menu à esquerda, clique no menu [Energia]> [Utilização de energia].

- A tela da quantidade de utilização de energia é exibida.



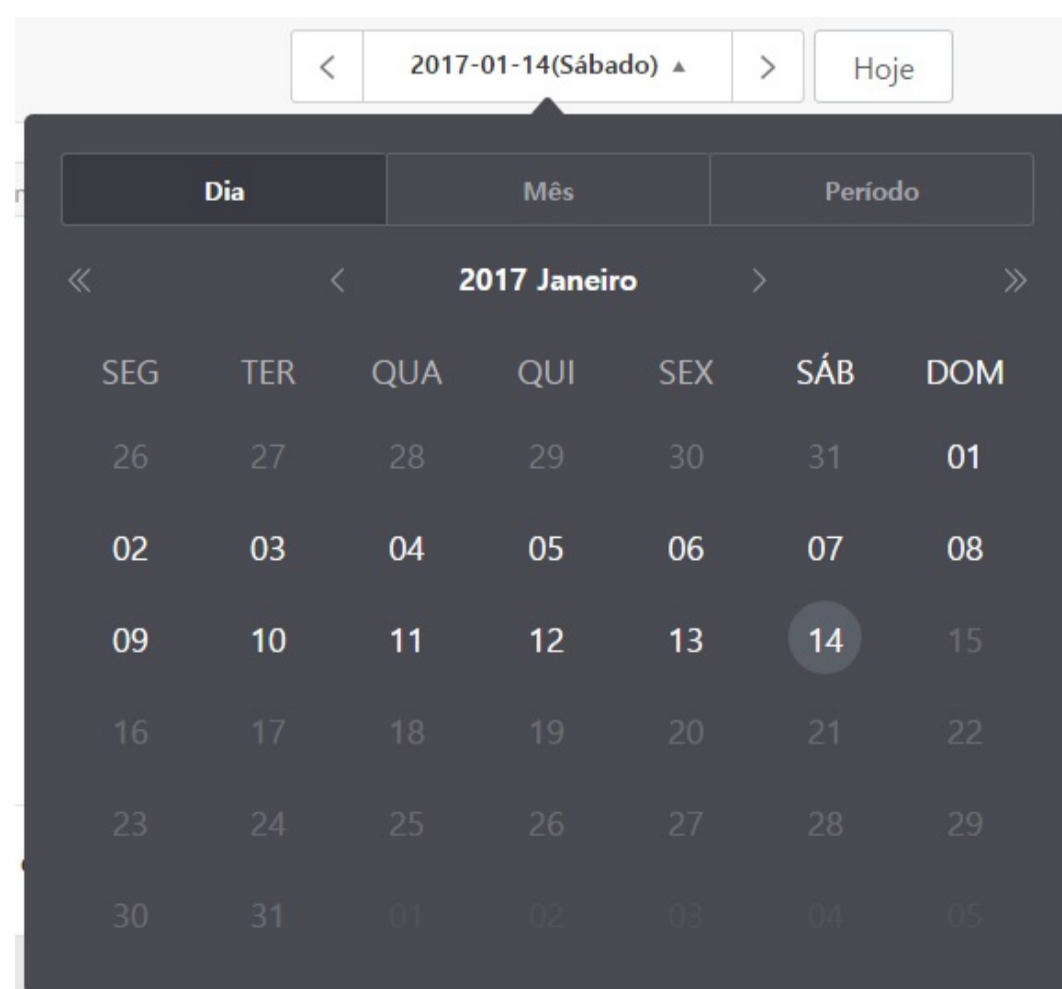
2. Na lista de grupo, selecione o grupo para visualizar.

3. Na caixa de cima do lado esquerdo, selecione a categoria para visualizar.



4. Configure o período de visualização.

Categoria	Descrição
Dia	Selecione o dia pretendido a partir do mini-calendário
Mês	Selecione o mês pretendido a partir do mini-calendário
Período	Selecione o período pretendido a partir do mini-calendário
Hoje	Definir data de hoje como data-base



5. Para os conteúdos controláveis, clique no botão [Vista].

- A quantidade de utilização de energia do período configurado é exibida.
- Para guardar os conteúdos visualizados, clique no botão **[Enviado]**.

(No dispositivo AC Smart 5, isso é armazenado em USB).

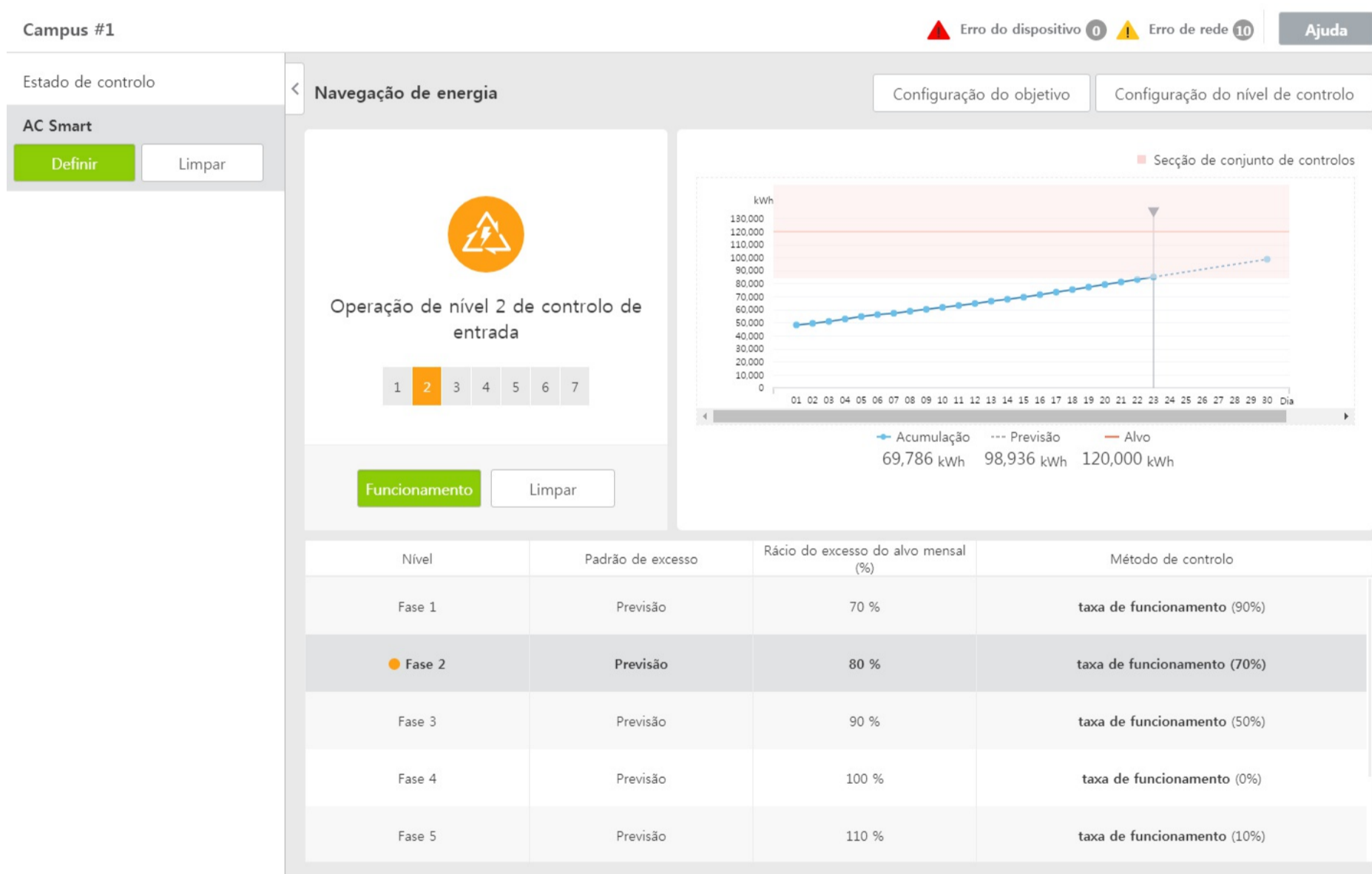
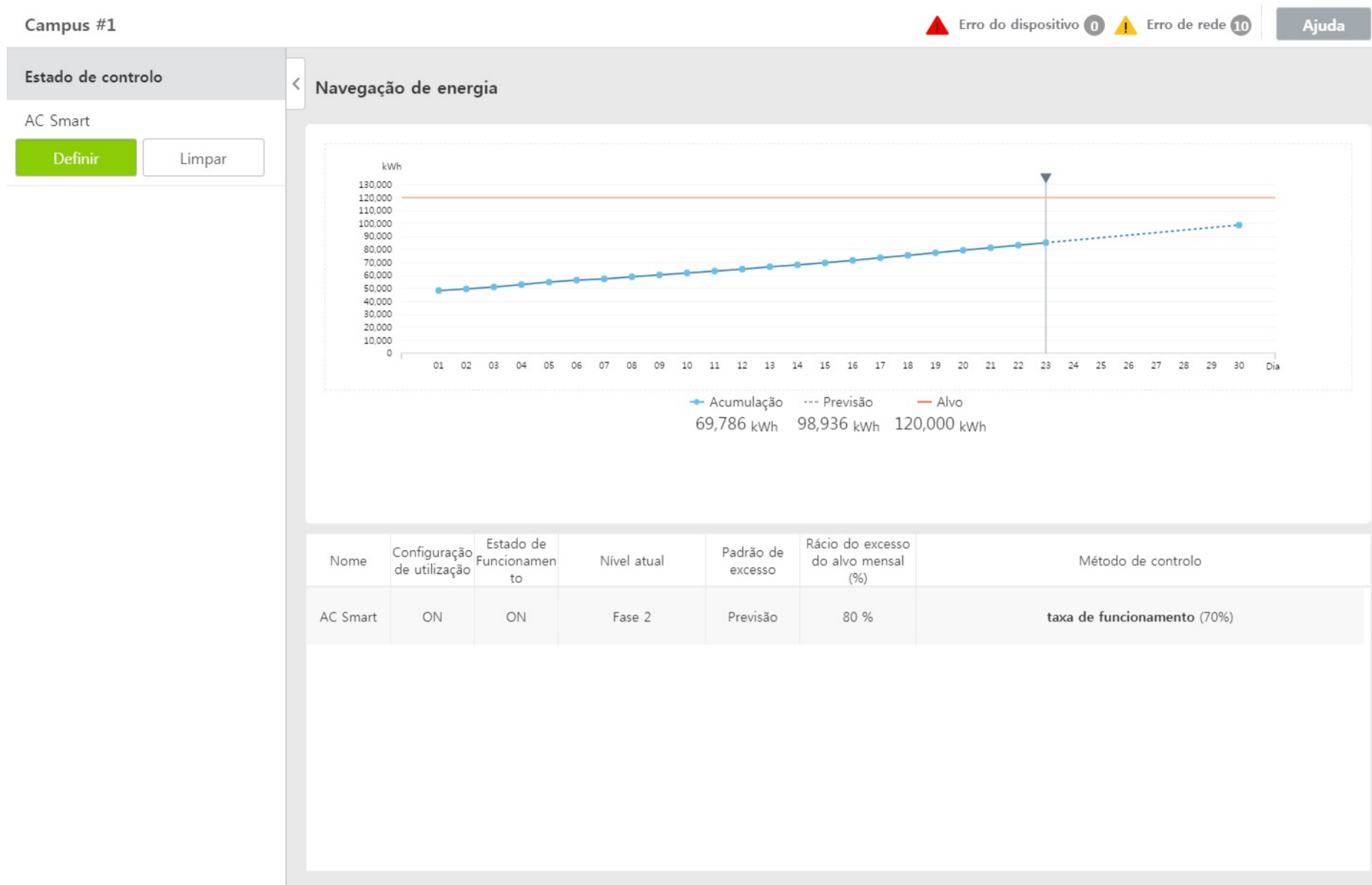
Nota

- A visualização da alimentação só é possível quando PDI está instalado.
- Se o PDI estiver instalado, a unidade interna, a ERV DX e o endereço da Heating devem ser configurados para evitar sobreposições.
- A quantidade do consumo de alimentação que apareceu no programa pode ser um pouco diferente da quantidade do consumo de alimentação marcada na conta.
- Em [Definição]-[Instalando], apenas ACP com [Eletricidade] pode ser monitorizado.
- A visualização do gás só é possível quando GDI está instalado.
- A quantidade de gás que apareceu no programa pode ser um pouco diferente da quantidade de gás marcada na conta.
- Em [definição]-[configurações do dispositivo], apenas ACP com [quantidade de gás usado] pode ser monitorado.
- A monitorização de energia mantém apenas os dados do último 1 ano.
- Os dados por hora são fornecidos até aos últimos 3 meses.



Navegação de energia

A Navegação de Energia é a função que pode controlar [Controle da Capacidade]/[taxa de funcionamento]/[UI] para cada nível de acordo com a previsão da quantidade de utilização de energia e da quantidade atual de utilização de energia, para ser capaz de gerir a quantidade mensal de consumo de energia abaixo da quantidade-alvo.



Adicionar a quantidade alvo

Pode adicionar a quantidade alvo para Navegação de Energia .

1. No separador do menu à esquerda, clique no menu[**Energia**] > [**Navegação de energia**].
2. No separador estado de controlo, clique no grupo para adicionar a quantidade alvo.
3. Clique no botão [**Configuração do objetivo**] na parte superior do lado direito.
 - A janela de configuração da nível de controlo é exibida.

Gestão da meta de energia(AC Smart) Cancelar Aplicar

Método de en... Entrada direta Diminuição de rácio em relação ao ano anterior

Quantidade alvo mensal Rácio de diminuição

Entrada de lote Aplicar

Mês	Valor objetivo	Mês	Valor objetivo
1Mês	100000	7Mês	100000
2Mês	100000	8Mês	100000
3Mês	100000	9Mês	100000
4Mês	100000	10Mês	100000
5Mês	100000	11Mês	100000
6Mês	100000	12Mês	100000

Total 1200000 kWh

100 %
 Ano anterior

4. Insira a quantidade alvo em cada mês.

- Para inserir todos os meses de uma só vez, insira a quantidade alvo no botão de entrada em lote e clique no botão **[Aplicar]** ao lado_.

5. Quando a quantidade alvo estiver concluída, clique no botão**[Aplicar]** na parte superior do lado direito.

6. Quando a janela pop-up de aviso é criada, clique no botão**[Verifique]**.

Configuração da nível de controlo

Pode configurar a nível de controlo da Navegação de Energia.

1. No separador do menu à esquerda, clique no menu**[Energia] > [Navegação de energia]**.

2. No separador do estado de controlo, clique no grupo para configurar a nível de controlo.

3. Clique no botão**[Configuração do nível de controlo]** na parte superior do lado direito.

- A janela de configuração da nível de controlo é exibida.

Navegação de energia > **Configuração do nível de controlo** Cancelar Aplicar

Configurar método de execução de controlo **AUTO** Manual Ajuda

Configuração do nível de controlo + Adicionar nível

Nível	Padrão de excesso	Rácio do excesso do alvo mensal (%)	Método de controlo	Eliminar
1	Previsão	70%	Controle da Cap	90%
2	Previsão	80%	Controle da Cap	70%
3	Previsão	90%	Controle da Cap	50%
4	Previsão	100%	Controle da Cap	0%
5	Previsão	110%	UI	OFF 66°F Ventilador Bloqueio etc.

4. Selecione a configuração do método de execução do controlo.

Categoria	Descrição
AUTO	No momento do alarme, o método de controlo fixado para cada nível é executado automaticamente.
Manual	No momento do alarme, o método de controlo fixado para cada nível é executado automaticamente.

5. Clique no botão **[+Adicionar nível]** da janela de configuração da nível de controlo.

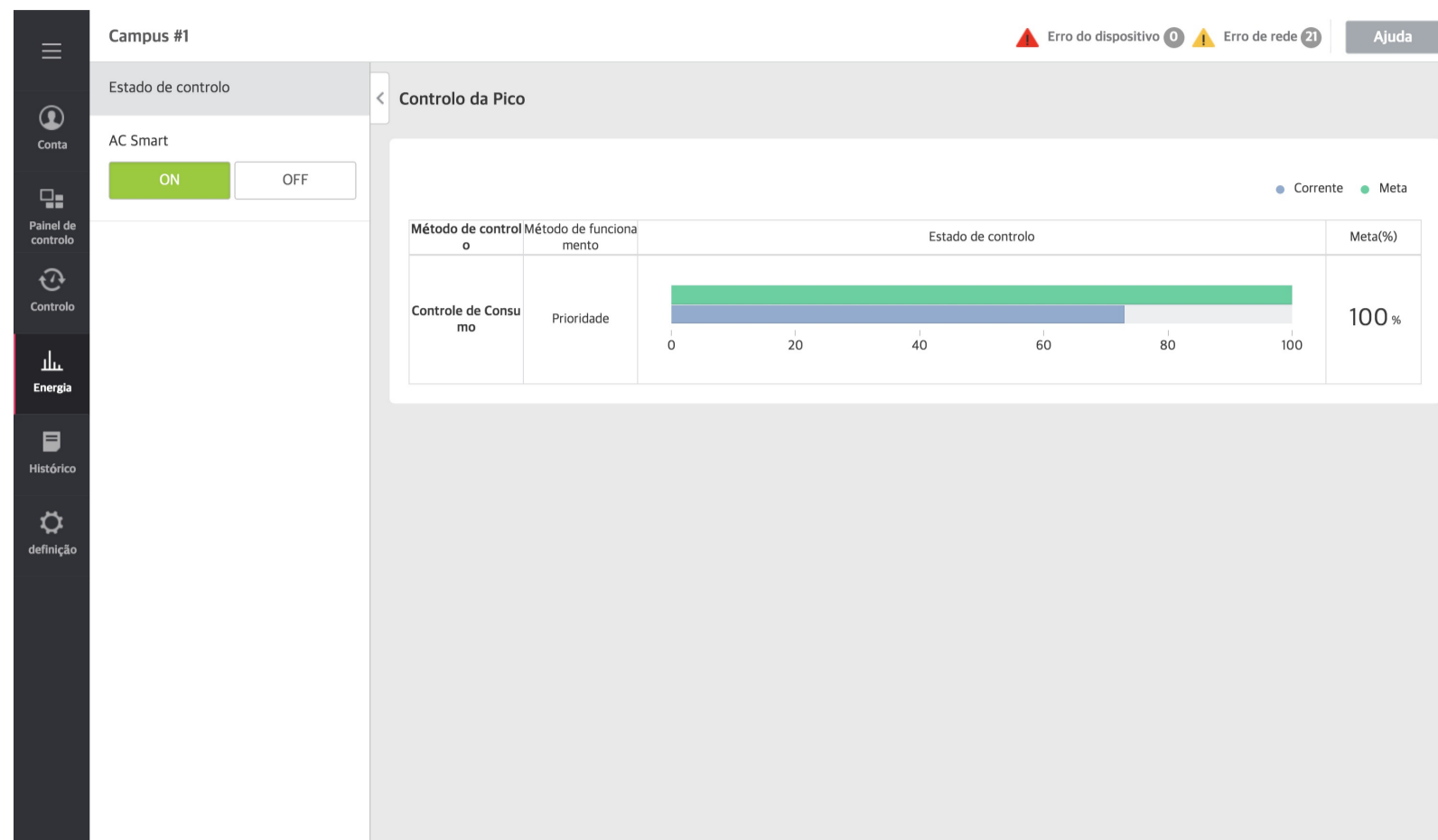
6. Configure as categorias de configuração da nível de controlo.

Categoria	Descrição
Padrão de excesso	Pode seleccionar entre a previsão da quantidade de utilização e a quantidade de utilização atual.
Rácio de excesso do alvo mensal	Pode configurar 10% da unidade dentro de 70 a 130%
Método de controlo	Controle da Capacidade: Pode configurar 10% da unidade dentro de 0 a 100%. taxa de funcionamento: Pode configurar 10% da unidade dentro de 0 a 100%. UI: controlo da unidade de interior

7. Quando a configuração for concluída, clique no botão **[Aplicar]** na parte superior do lado direito.
8. Quando a janela pop-up de aviso é criada, clique no botão **[Verifique]**.

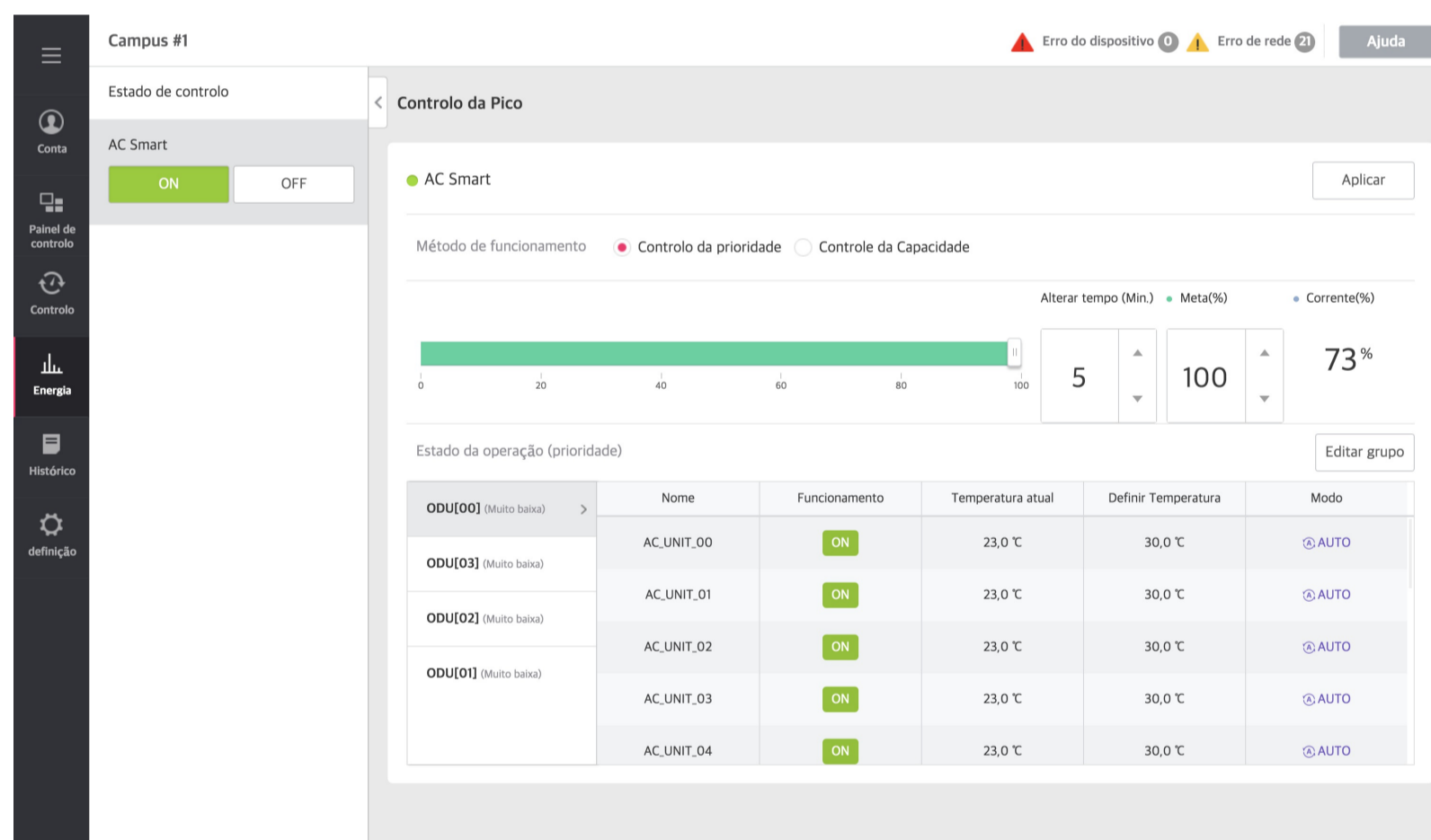
Controlo da Pico

No estado de controlo, pode verificar o nome do ACP, método de controlo, método de funcionamento, estado de controlo e rácio de funcionamento alvo.



O controlo da pico é uma função para definir a taxa de operação de destino para limitar o uso máximo de energia e controlar o uso total de energia para não exceder a taxa de operação de destino. Para evitar que o consumo de energia total exceda a taxa de operação do destino, o modo de resfriamento é convertido automaticamente em modo somente vento, de acordo com o modo de prioridade e o aquecimento automaticamente parar, de modo que o valor de uso da energia pode ser salvo.

- No separador do menu à esquerda, clique no menu **[Energia] > [Controlo da Pico]**.
 - A tela de Controle da Pico é exibida.
- Na lista ACP, selecione ACP para controlar.
 - O estado de configuração de controlo do ACP correspondente é exibido na tela.



- No visor de informações de controlo, configure o estado de controlo pretendido.

Categoria	Descrição
Método de funcionamento	<ul style="list-style-type: none"> Controlo da capacidade da unidade de exterior: O rácio de funcionamento alvo é aplicado nas unidades de unidade de exterior para controlar o rácio de funcionamento da capacidade da unidade de exterior Controlo de prioridade: Controlo de acordo com a prioridade dos grupos de nível inferior do ACP
Barra do rácio de funcionamento	<ul style="list-style-type: none"> O rácio de funcionamento alvo da unidade de interior é exibido como um gráfico de barras Pode arrastar a barra do gráfico para configurar o rácio de funcionamento alvo
Corrente(%)	Entre todas as unidades de interior ACP, isto marca a % alcançada pelo dispositivo atualmente em funcionamento
Meta(%)	Prima o botão [▲]/[▼] para configurar o rácio de funcionamento alvo
Alterar tempo (Min.)	<ul style="list-style-type: none"> Prima o botão [▲]/[▼] para configurar o ciclo de paragem forçada do funcionamento em unidades de min. Você pode definir de 5 a 15 minutos de alcance nas unidades de 1 min.
Estado de Funcionamento	Este exhibe o nome do dispositivo/se está em funcionamento/temperatura atual/temperatura configurada/informação do Modo

- Para aplicar a configuração de controlo, clique no botão **[Aplicar]**.
 - O estado de controlo em conjunto é guardado.
- Para iniciar o grupo correspondente com o estado de configuração, clique no botão **[ON]** da lista de grupo. Para parar o funcionamento do grupo correspondente, clique no botão **[OFF]** da lista de grupo.

Nota

Para alterar as definições de controlo, pare primeiro a operação de controlo de pico. (Parar controlo de pico → Alterar e aplicar definições de controlo → Utilizar controlo de pico)

Adicionar/editar grupo de pico

Pode adicionar e editar grupo de Controle de Consumo.

1. No separador do menu à esquerda, clique no menu **[Energia] > [Controlo da Pico/Demanda]**.

- A tela de Controle da Pico/demanda é exibida.

2. Clique no botão **[Editar grupo]**.

- A tela de edição de grupo é exibida.

Categoria	Descrição
Nome do grupo	Insira o nome do grupo para adicionar
Prioridade	Selecione a prioridade pretendida entre muito baixa/baixa/normal/alta/muito alta
[Editar]	Abrir a tela de edição do dispositivo (adicionar ou eliminar a lista de dispositivos)
Dispositivo registado	Isto exibe a lista de dispositivos registados no grupo
[Adicionar novo grupo]	Adicionar grupo para o Controlo da Pico
[Eliminar grupo]	Eliminar o grupo selecionado de pico
[Carregar grupo da unidade exterior]	Aplicada nas unidades da unidade de exterior registada no ACP

3. Insira o nome do grupo correspondente no campo de inserção do nome do grupo.

4. Selecione a prioridade desejada.

- Os níveis de controlo são os seguintes: Muito baixo → Baixo → Médio → Alto → Muito alto

5. No menu, clique no botão **[Editar]**.

- A janela pop-up de edição do dispositivo é exibida.

5. Na lista de dispositivos não registados, clique na caixa de verificação do dispositivo para registar, e clique no botão **[◀]**.

- Para o controlo do pico, apenas as unidades de interior podem ser registadas.
- Para registar vários dispositivos ao mesmo tempo, clique nas caixas de verificação dos dispositivos para registar e clique no botão **[◀]**.
- Os dispositivos selecionados são adicionados à lista do dispositivo registado.

Dispositivo registado (16)

<input type="checkbox"/>	Nome	ACP	Grupo
<input type="checkbox"/>	AC_UNI T_20	ACP IV	Nuevo grup o 2
<input type="checkbox"/>	AC_UNI T_21	ACP IV	Nuevo grup o 2
<input type="checkbox"/>	AC_UNI T_22	ACP IV	Nuevo grup o 2
<input type="checkbox"/>	AC_UNI T_23	ACP IV	Nuevo grup o 2

Dispositivo não registado (0)

AC Smart ▼



Cancelar

Aplicar

7. Para aplicar na janela pop-up Editar dispositivo, clique no botão **Aplicar**.
8. Para guardar os conteúdos configurados, clique no botão **Aplicar** da tela de Controlo da Pico/Demanda.

Custo unitário da energia

No menu Custo unitário da energia, pode verificar a opção Controlo total do modo de prioridade e os estados das taxas de eletricidade e gás atualmente definidas.

Nota

- Custo unitário da energia é um menu exclusivo para uma unidade exterior híbrida GHP. Não está disponível quando outras unidades exteriores são associadas.

Controlo global no modo de funcionamento prioritário

AUTO Gás(GHP) Eletricidade(EHP)

Nome	Funcionamento	Modo de funcionamento prioritário
ODU_00	OFF	

Taxa de eletricidade
Data de atualização: 2020-12-09

Taxa de base	Período de tempo (Mês)	Taxa de eletricidade/(kWh)											
		1	2	3	4	5	6	7	8	9	10	11	12
1000	Light load	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Medium load	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Maximum load	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Taxa de gás
Data de atualização: 2020-12-09

Taxa de gás (/M). Mês)											
1	2	3	4	5	6	7	8	9	10	11	12
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Taxa de eletricidade

A opção Taxa de eletricidade permite definir a taxa mensal com base na hora de carga.

A taxa de eletricidade mensal tem de ser determinada com base na tabela de taxas de eletricidade.

Unidade de taxa: /kWh

Taxa de base: 1000

Tipo de carga: Light load (Adicionar)

Tempo de carga (Editar)

Período de tempo(Mês)	1	2	3	4	5	
Light load	23:00-23:59	23:00-23:59	23:00-23:59	23:00-23:59	23:00-23:59	23
	00:00-00:59	00:00-00:59	00:00-00:59	00:00-00:59	00:00-00:59	00
	01:00-01:59	01:00-01:59	01:00-01:59	01:00-01:59	01:00-01:59	01
	02:00-02:59	02:00-02:59	02:00-02:59	02:00-02:59	02:00-02:59	02
	03:00-03:59	03:00-03:59	03:00-03:59	03:00-03:59	03:00-03:59	03
	04:00-04:59	04:00-04:59	04:00-04:59	04:00-04:59	04:00-04:59	04
	05:00-05:59	05:00-05:59	05:00-05:59	05:00-05:59	05:00-05:59	05
	06:00-06:59	06:00-06:59	06:00-06:59	06:00-06:59	06:00-06:59	06
Medium load	07:00-07:59	07:00-07:59	07:00-07:59	07:00-07:59	07:00-07:59	07
	08:00-08:59	08:00-08:59	08:00-08:59	08:00-08:59	08:00-08:59	08
	09:00-09:59	09:00-09:59	09:00-09:59	09:00-09:59	09:00-09:59	09
	12:00-12:59	12:00-12:59	12:00-12:59	12:00-12:59	12:00-12:59	12
	13:00-13:59	13:00-13:59	17:00-17:59	17:00-17:59	17:00-17:59	17
	14:00-14:59	14:00-14:59	18:00-18:59	18:00-18:59	18:00-18:59	18
	15:00-15:59	15:00-15:59	19:00-19:59	19:00-19:59	19:00-19:59	19
	16:00-16:59	16:00-16:59	20:00-20:59	20:00-20:59	20:00-20:59	20
Maximum load	20:00-20:59	20:00-20:59	21:00-21:59	21:00-21:59	21:00-21:59	21
	21:00-21:59	21:00-21:59	22:00-22:59	22:00-22:59	22:00-22:59	22
	10:00-10:59	10:00-10:59	10:00-10:59	10:00-10:59	10:00-10:59	10
	11:00-11:59	11:00-11:59	11:00-11:59	11:00-11:59	11:00-11:59	11
	17:00-17:59	17:00-17:59	13:00-13:59	13:00-13:59	13:00-13:59	13
	18:00-18:59	18:00-18:59	14:00-14:59	14:00-14:59	14:00-14:59	14
	19:00-19:59	19:00-19:59	15:00-15:59	15:00-15:59	15:00-15:59	15
	22:00-22:59	22:00-22:59	16:00-16:59	16:00-16:59	16:00-16:59	16

Taxa mensal

Período de tempo(Mês)	1	2	3	4	5	
Light load	1.00	1.00	1.00	1.00	1.00	1.0
Medium load	1.00	1.00	1.00	1.00	1.00	1.0
Maximum load	1.00	1.00	1.00	1.00	1.00	1.0

1. Pode editar a taxa básica.

2. Pode adicionar ou editar o tipo de carga.
3. Pode editar a taxa mensal.

Editar hora de carga

Pode editar a hora de carga com base no mês e tipo de carga.

Categoria	Descrição
Selecionar Mês	Selecione um mês para editar as horas de carga.
Selecionar Carga	Selecione um tipo de carga para o mês selecionado.
Selecione Hora	Selecione horas a aplicar ao mês e carga selecionados.

1. Selecione um mês para editar as horas de carga.
2. Selecione um tipo de carga para o mês selecionado.
3. Selecione horas a aplicar ao mês e carga selecionados, clique numa caixa de seleção e prima o botão >.

Nota

- Se todas as horas não forem aplicadas, o botão Aplicar não é ativado.
- Para Taxa mensal, pode inserir até seis dígitos, mas o valor não pode exceder 655,35.
- A data de atualização é aplicada quando aplica a opção Editar taxa de eletricidade.

Taxa de gás

A opção Taxa de gás permite definir a taxa mensal com base na hora de carga.

A taxa de gás mensal tem de ser determinada com base na tabela de taxas de gás.

Nota

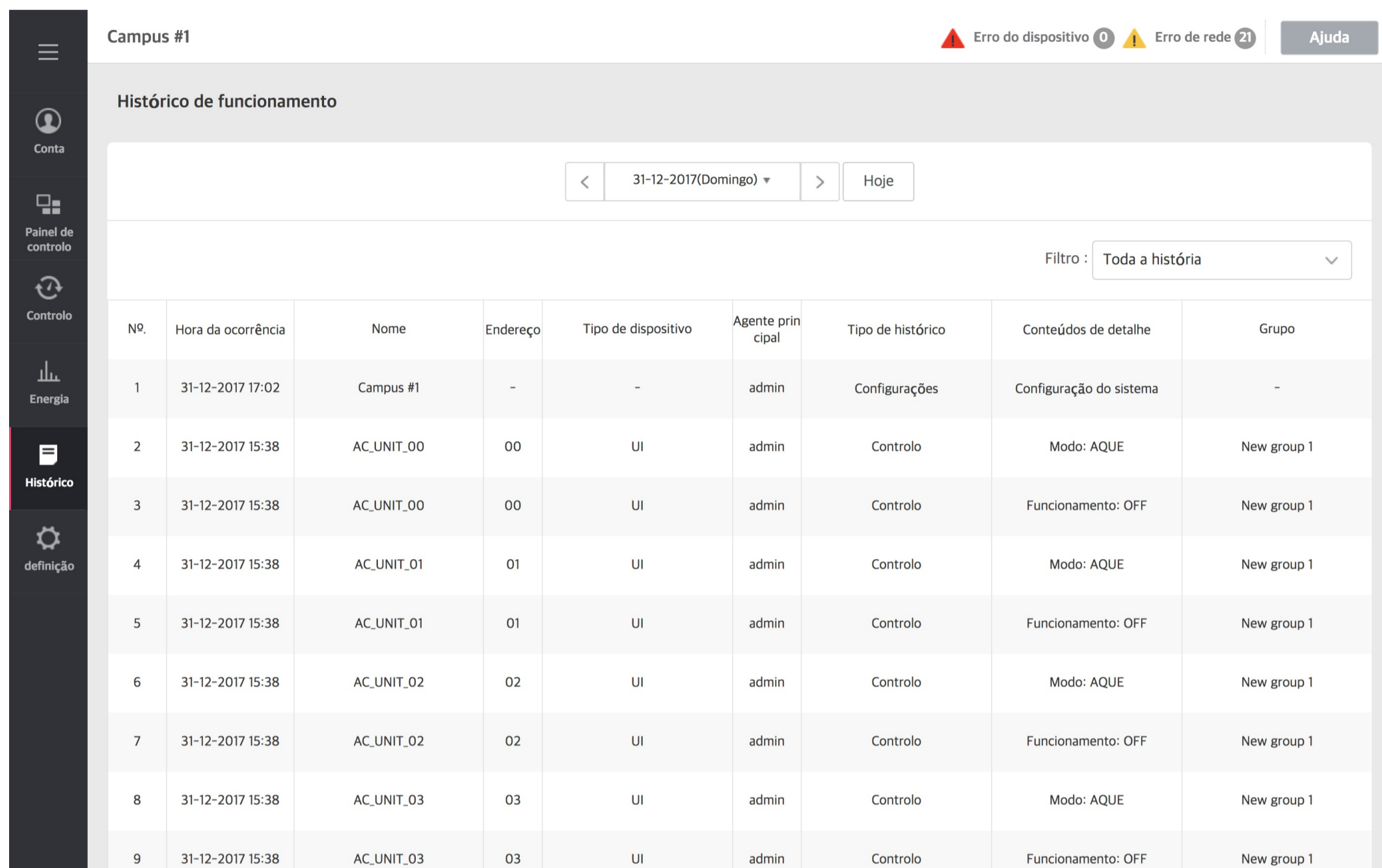
- Para Taxa mensal, pode inserir até seis dígitos, mas o valor não pode exceder 65,535.
- A data de atualização é aplicada quando aplica a opção Editar taxa de gás

Histórico de funcionamento

Pode visualizar o histórico de funcionamento do controlo automático/utilizador e a mudança de estado ou estado de erro dos dispositivos conectados.

1. No separador do menu à esquerda, clique no menu **[Histórico] > [Histórico de funcionamento]**.

- A tela de histórico de funcionamento é exibido



The screenshot shows the 'Histórico de funcionamento' interface for 'Campus #1'. It includes a sidebar with navigation options like 'Conta', 'Painel de controlo', 'Controlo', 'Energia', 'Histórico', and 'definição'. The main area displays a table of events with columns for 'Nr.', 'Hora da ocorrência', 'Nome', 'Endereço', 'Tipo de dispositivo', 'Agente principal', 'Tipo de histórico', 'Conteúdos de detalhe', and 'Grupo'. The table shows 9 entries for the date 31-12-2017, including system configurations and control actions for various units (AC_UNIT_00 to AC_UNIT_03).

Nr.	Hora da ocorrência	Nome	Endereço	Tipo de dispositivo	Agente principal	Tipo de histórico	Conteúdos de detalhe	Grupo
1	31-12-2017 17:02	Campus #1	-	-	admin	Configurações	Configuração do sistema	-
2	31-12-2017 15:38	AC_UNIT_00	00	UI	admin	Controlo	Modo: AQUE	New group 1
3	31-12-2017 15:38	AC_UNIT_00	00	UI	admin	Controlo	Funcionamento: OFF	New group 1
4	31-12-2017 15:38	AC_UNIT_01	01	UI	admin	Controlo	Modo: AQUE	New group 1
5	31-12-2017 15:38	AC_UNIT_01	01	UI	admin	Controlo	Funcionamento: OFF	New group 1
6	31-12-2017 15:38	AC_UNIT_02	02	UI	admin	Controlo	Modo: AQUE	New group 1
7	31-12-2017 15:38	AC_UNIT_02	02	UI	admin	Controlo	Funcionamento: OFF	New group 1
8	31-12-2017 15:38	AC_UNIT_03	03	UI	admin	Controlo	Modo: AQUE	New group 1
9	31-12-2017 15:38	AC_UNIT_03	03	UI	admin	Controlo	Funcionamento: OFF	New group 1

2. Configurar o período para visualizar.

Categoria	Descrição
Período de visualização	<ul style="list-style-type: none"> Dia: Visualiza o histórico da data selecionada Hoje: Visualiza o histórico de hoje

3. Na categoria de filtro, selecione o tipo de dispositivo ou história.

- Pode clicar na caixa de seleção para selecionar múltiplas informações.
- Pode inicializar os conteúdos selecionados através do botão **[Inicialização]**.

4. Quando a seleção do tipo de dispositivo e histórico for concluída, clique no botão **[Aplicar]**.

- O histórico de funcionamento do período estabelecido é exibido.

Dados da unidade de funcionamento apresentados	Dados de funcionamento (controlador central)	Dados da unidade de funcionamento apresentados	Dados de funcionamento (Outros que não o controlador central)
ACS	Monitorização do controlo	Controlo Remoto	Histórico de controlo por unidades que não o controlador central (por exemplo, telecomando/contacto seco/lógica automatizada das unidades interior e exterior)
Admin	Dados de controlo do utilizador do controlador central	BMS	Controlo por BACnet
Controlador secundário	Controlo por controlador central secundário	Lonworks	Controlo por LonWorks
ACM	Dados de controlo do utilizador do controlador central	Controlo do motor TMS EMS	Controlo por motor EMS de TMS
Horário	Controlo por programação do controlador central	Controlo da poupança de energia TMS	Controlo por função de poupança de energia de TMS
Inversão Automática	Controlo por operação de comutação automática do controlador central	Móvel TMS	Controlo por utilizador móvel TMS
Reverter	Controlo por operação de limite de temperatura do controlador central	Web TMS	Controlo por utilizador web TMS
Controlo da Pico	Controlo por operação de controlo de pico do controlador central	KEPCO	Controlo por Korea Electric Power Corporation
Livre de Consumo	Controlo por comando de remoção de pico do controlador central		

Controlo limite do tempo	Controlo por comando de limite do tempo de funcionamento do controlador central		
Interligação	Controlo por comando de bloqueio do dispositivo do controlador central		
Interligação	Controlo por padrão de cópia de bloqueio do dispositivo do controlador central		
Situação de emergência	Controlo por DI1 Curto do controlador central		
Navegação de energia	Controlo por controlo de funcionamento da navegação de energia do controlador central		
Override	Controlo por função de anulação de 2 definições da unidade interior do controlador central		

Enviar informações

1. No separador do menu à esquerda, clique no menu **[Histórico] > [Histórico de funcionamento]**.

- A tela de histórico de funcionamento é exibido

Campus #1 ▲ Erro do dispositivo 0 ▲ Erro de rede 21 [Ajuda](#)

Histórico de funcionamento

< 31-12-2017(Domingo) > Hoje

Filtro : Toda a história

Nº.	Hora da ocorrência	Nome	Endereço	Tipo de dispositivo	Agente principal	Tipo de histórico	Conteúdos de detalhe	Grupo
1	31-12-2017 17:02	Campus #1	-	-	admin	Configurações	Configuração do sistema	-
2	31-12-2017 15:38	AC_UNIT_00	00	UI	admin	Controlo	Modo: AQUE	New group 1
3	31-12-2017 15:38	AC_UNIT_00	00	UI	admin	Controlo	Funcionamento: OFF	New group 1
4	31-12-2017 15:38	AC_UNIT_01	01	UI	admin	Controlo	Modo: AQUE	New group 1
5	31-12-2017 15:38	AC_UNIT_01	01	UI	admin	Controlo	Funcionamento: OFF	New group 1
6	31-12-2017 15:38	AC_UNIT_02	02	UI	admin	Controlo	Modo: AQUE	New group 1
7	31-12-2017 15:38	AC_UNIT_02	02	UI	admin	Controlo	Funcionamento: OFF	New group 1
8	31-12-2017 15:38	AC_UNIT_03	03	UI	admin	Controlo	Modo: AQUE	New group 1
9	31-12-2017 15:38	AC_UNIT_03	03	UI	admin	Controlo	Funcionamento: OFF	New group 1

2. Configurar o período para visualizar.

Categoria	Descrição
Período de visualização	<ul style="list-style-type: none"> Dia: Visualiza o histórico da data selecionada Hoje: Visualiza o histórico de hoje

3. Clique no botão **[Enviado]**.

- Arquivo Excel, no máximo 20000 EA
- No dispositivo AC Smart 5, isso é armazenado em USB.



Histórico da navegação de energia

Pode visualizar o histórico do alarme de Navegação de Energia e operação de controlo.

1. No separador do menu à esquerda, clique no menu **[Histórico] > [Histórico da navegação de energia]**.

- A tela de Navegação de Energia é exibida.

Histórico da navegação de energia				
Número de eventos : 53		2016-12-16 ~ 2017-01-16 ▾		Vista
Nº.	Hora da ocorrência	Padrão excedente	Conteúdos de aviso de energia	Execução de opção de controlo
1	2017-01-16 15:17:26	Previsão	Quantidade 70% alvo mensal excedida	AUTO, Controlo da Capacidade, 90%
2	2017-01-16 15:17:21	Previsão	Quantidade 70% alvo mensal excedida	AUTO, Controlo da Capacidade, Pausa
3	2017-01-16 10:17:46	Previsão	Quantidade 70% alvo mensal excedida	AUTO, Controlo da Capacidade, 90%
4	2017-01-16 10:00:39	Previsão	Quantidade 130% alvo mensal excedida	AUTO, Controlo da Capacidade, 0%
5	2017-01-12 17:39:27	Previsão	Quantidade 70% alvo mensal excedida	AUTO, Controlo da Capacidade, 90%
6	2017-01-11 04:07:15	Previsão	Quantidade 80% alvo mensal excedida	AUTO, Controlo da Capacidade, 70%
7	2017-01-11 00:37:15	Previsão	Quantidade 90% alvo mensal excedida	AUTO, Controlo da Capacidade, 50%
8	2017-01-10 09:37:13	Previsão	Quantidade 80% alvo mensal excedida	AUTO, Controlo da Capacidade, 70%
9	2017-01-10 00:22:12	Previsão	Quantidade 90% alvo mensal excedida	AUTO, Controlo da Capacidade, 50%
10	2017-01-09 15:12:11	Previsão	Quantidade 80% alvo mensal excedida	AUTO, Controlo da Capacidade, 70%

2. Selecione o dispositivo para ver o histórico.

3. Configure a data de início e conclusão do período para visualizar o histórico.

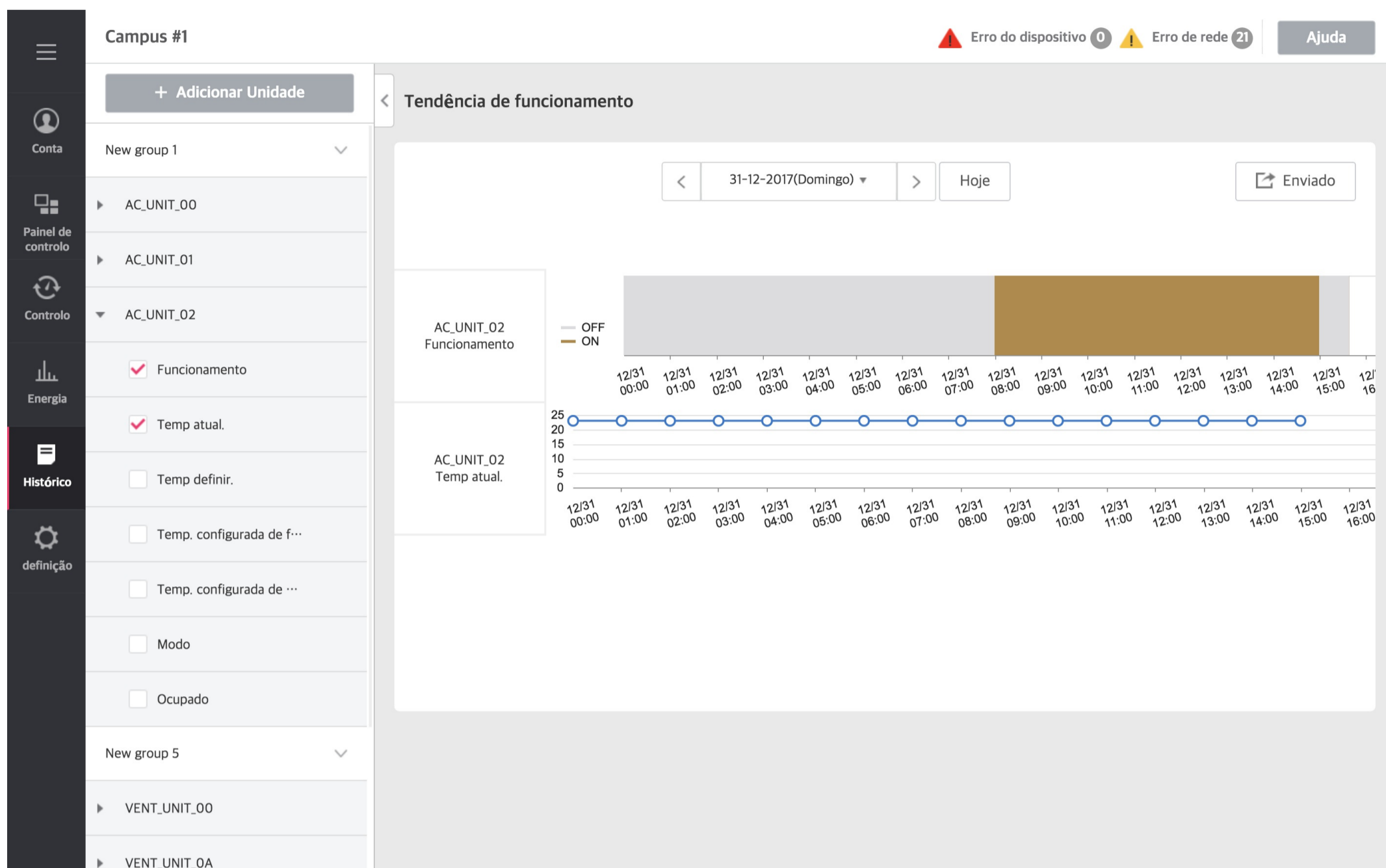
4. Para os conteúdos controláveis, clique no botão **[Vista]**.

- O histórico de Navegação de Energia do período estabelecido é exibido.



Tendência de funcionamento

A função de tendência de funcionamento é a função para fornecer as mudanças de estado passadas do dispositivo selecionado para ajudar a estabelecer um plano operacional local coerente.



Adicionar dispositivo

Pode adicionar um Unidade para visualizar a tendência de funcionamento.

- No separador do menu à esquerda, clique no menu **[Histórico] > [Tendência de funcionamento]**.
 - A tela de tendência de funcionamento é exibida.
- Clique no botão **[+ Adicionar Unidade]**.
 - A tela Adicionar dispositivo é exibida.
- Na lista de dispositivos não registados, clique na caixa de verificação do dispositivo para registar, e clique no botão **[◀]**.
 - Para registar vários dispositivos ao mesmo tempo, clique nas caixas de verificação dos dispositivos para registar e clique no botão **[◀]**.
 - Os dispositivos selecionados são adicionados à lista do dispositivo registado.
- Para aplicar na janela pop-up Editar dispositivo, clique no botão **[Aplicar]**.

Visualizar as informações

Pode visualizar as informações da tendência de funcionamento do dispositivo selecionado.

- No separador do menu à esquerda, clique no menu **[Histórico] > [Tendência de funcionamento]**.
 - A tela de tendência de funcionamento é exibida.
- Na seção do separador da lista de dispositivos, selecione a categoria do dispositivo para visualizar.
- Selecione o período para visualizar a tendência de funcionamento.



Categoria	Descrição
Período	<p>Botão [Dia] : Selecione a data pretendida no calendário mini e configure como a data base</p> <p>Botão [Período]: Configura a data de início e conclusão do período para visualizar</p> <ul style="list-style-type: none"> • O período máximo para a visualização é de 1 semana. <p>Botão [Hoje]: Definir data de hoje como data-base</p>

Enviar informações

Pode enviar informações sobre as tendências de funcionamento do equipamento visualizado.

1. No separador do menu à esquerda, clique no menu **[Histórico]** > **[Tendência de funcionamento]**.
 - A tela de tendência de funcionamento é exibida.
2. Na categoria do lado esquerdo, selecione a categoria para enviar e clique no botão **[Enviado]** na parte superior do lado direito.
(No dispositivo AC Smart 5, isso é armazenado em USB).

Nota

Cada dispositivo armazena as seguintes informações.

- **Unidade interior:** operação, temperatura atual, temperatura configurada, temperatura configurada de resfriamento, temperatura configurada de aquecimento, modo de operação, ocupado, PM10, PM2.5, PM1.0
- **ERV:** Funcionamento, Modo, Temperatura atual (apenas para a ERV DX), Definir Temperatura (apenas para a ERV DX)
- **AHU:** Funcionamento, Modo, Definir Temperatura, Temperatura de fornecimento de ar, Humidade de fornecimento de ar, Temperatura de ventilação, Humidade de ventilação
- **Heating:** Funcionamento, Temperatura de entrada de água, Temperatura de saída da água, Temperatura da água quente, Definir Temperatura, Temp. configurada de água quente, Modo, Funcionamento de água quente
- **Refrigerador:** Funcionamento, Temperatura de entrada de água, Temperatura de saída da água, Modo
- **DOKIT:** Funcionamento
- **DI:** Funcionamento
- **DO:** Funcionamento
- **Porta Exp. de I/O :** valor
- **Purificador de ar :** Funcionament, Odor, PM 10, PM 2.5, PM 1.0

Ciclo

É possível visualizar a unidade de interior/de exterior e informações sobre o ciclo do refrigerador.

Unidade de Exterior

Isto fornece dados de informações do ciclo da unidade de exterior selecionada.

1. No separador do menu à esquerda, clique no menu **[Histórico] > [Ciclo]**.

- A tela do ciclo é exibida.

Categoria	Descrição
informação do ciclo da unidade de exterior	Exibição de informações da unidade de exterior principal/secundária
Informação do ciclo da unidade de interior	Exibe todas as informações da unidade de interior ligada à unidade de exterior

2. Na lista da unidade de exterior, selecione a unidade de exterior para verificar as informações sobre o ciclo.

- A informação sobre o ciclo da unidade de exterior correspondente é exibida.

Nota

Pode visualizar apenas quando a informação fornecida do ciclo da unidade de exterior está instalada.

Refrigerador

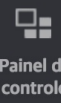
Isto fornece dados de informações do ciclo do refrigerador selecionado.

1. No separador do menu à esquerda, clique no menu **[Histórico] > [Ciclo]**.

- A tela do ciclo é exibida.

2. Na lista dos refrigeradores, selecione o refrigerador para verificar as informações sobre o ciclo.

- A informação sobre o ciclo do refrigerador correspondente é exibida.



EU Chiller

AC Smart

Scroll Chiller

Turbo Chiller

Ciclo

Scroll Chiller Informação do ciclo

Comum Cycle 1 Cycle 2 Cycle 3 Cycle 4



Funcionamento	OFF	Temperatura configurada de aquecimento	0.0 °C
Temperatura de ar do exterior	0.0 °C	Temp. de saída de água refrigerada	0.0 °C
Corrente de funcionamento	0 A	Temp. de entrada de água refrigerada	0.0 °C
Iniciar o tempo em espera	0 Sec	Comutação do fluxo de água refrigerada	OFF
Modo	*ARREF	Estado de saída da bomba de água refrigerada	OFF
Rácio limite de demanda	0 %	Estado da interface da bomba de água refrigerada	OFF
Temperatura de configuração de frio	0.0 °C	Total Tempo de funcionamento	0 Hours



Configurar dispositivo

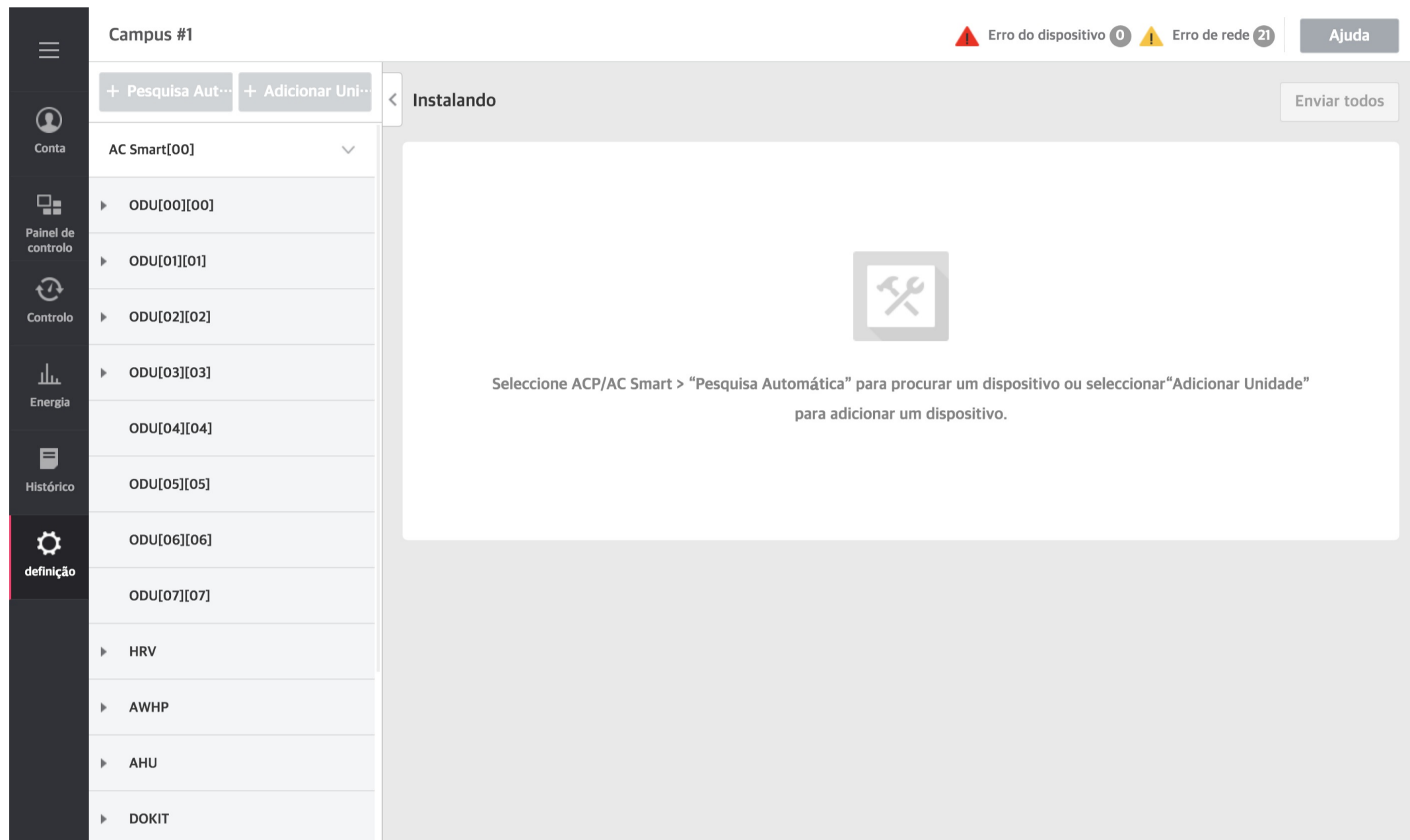
Você pode alterar a configuração do AC Smart, adicionar dispositivo e alterar a configuração do dispositivo registrado.

Editar AC Smart 5

Você pode alterar a configuração do AC Smart.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Instalando]**.

- A tela de configuração do dispositivo é exibida.



2. Na lista de dispositivos, selecione AC Smart.

- A tela Adicionar AC Smart é exibida.
- Na área de edição do dispositivo, você pode alterar as informações de configuração do AC Smart.

AC Smart 5
Aplicar

Gerenciamento de energia

Controle de Consumo Consumo e Navegação de energia

Tempo de funcionamento

Definir Limpar

Eletricidade

Definir Limpar

Gás

Definir Limpar

Tipo de comunicação

LGAPI
▼

Status Actual: LGAPI

Definição LGAP

Master
▼

Modo Auto 2set

UI
▼

Definição de CH1

LGAP_AHU
▼

Bloqueio de morada

Cancelar
▼

Categoria	Descrição
Gerenciamento de energia	Selecione entre controlo da pico/controlo da pico e navegação de energia
Tempo de funcionamento	Definir/Limpar coleta e exibição do tempo de operação
Eletricidade	Definir/Limpar coleta e exibição de quantidade de uso de eletricidade
Gás	Definir/Limpar coleta e exibição de quantidade de gás a usar
Tipo de comunicação	Configuração LGAPI / LGAPII
Definição LGAP	Configurar comunicação Mestre/Escravo
Modo Auto 2set	Pressione o botão [▼] para selecionar o modo auto 2Set <ul style="list-style-type: none"> Controlador central / unidade interior
Definição de CH1	Pressione botão [▼] para selecionar tipo de comunicação do dispositivo para se conectar à porta CH1 <ul style="list-style-type: none"> LGAP: para conexões das unidade interior, ERV, ERV DX e Heating LGAP_AHU: para conexão do AHU (general, todo ar fresco, recuperação de calor residual) MODBUS_9600, MODBUS_19200: para AHU (ar condicionado modular, esfriador de ar modular, DOAS), Exp. I/O, e conexão de chiller
Bloqueio de morada	Quando está configurado, você não pode alterar o endereço na unidade interna e no controle remoto de ERV

Nota

- Alguns modelos não suportam LGAPII.
- Quando o controlador estiver configurado como escravo, registre o IDU ou outros dispositivos a serem controlados pelo controlador correspondente. Neste momento, não deve ser registrado em duplicado com outros controladores escravos.

3. Quando a entrada estiver concluída, clique no botão [Aplicar].

4. Clique no botão [Enviar todos] .

Configuração automática

Você pode automaticamente procurar o dispositivo conectado ao AC Smart e se registrar.

- No separador do menu à esquerda, clique no menu [Definição] > [Instalando].
 - A tela de configuração do dispositivo é exibida.
- Na lista de dispositivos, selecione o AC Smart e clique no botão [Pesquisa Automática].

3. Para substituir a configuração do dispositivo AC Smart na configuração existente, clique no botão **[confirmar]**.
 - É aplicado o status da configuração do dispositivo AC Smart.
4. Quando a configuração automática está concluída, antes de editar o dispositivo, clique no botão **[Enviar todos]**.

Nota

- A configuração automática demora cerca de 10 min.
- Alguns AHU (ar condicionado modular, esfriador de ar modular, DOAS), chiller, e Exp .I/O não suporta a função de configuração automática.
- Exp. I/ O é ativado quando você faz clique em 'usar' na janela de edição do dispositivo após o registro do dispositivo.

Adicionar dispositivo

Além disso pode registrar o novo dispositivo na lista de dispositivos.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Instalando]**.
 - A tela de configuração do dispositivo é exibida.
2. Clique no botão **[+ Adicionar Unidade]**.
 - A tela Adicionar dispositivo é exibida.

A imagem mostra a interface de usuário para adicionar um dispositivo. No topo, há dois botões: "Cancelar" e "Aplicar". Abaixo, o título é "Selecionar o tipo de dispositivo para adicionar a ACP". Há uma grade de botões de opção com os seguintes tipos: EU (selecionado), HRV, AWHP, AHU, Chiller, DOKIT, DI, DO, EXP. I/O, e Purificador de ar. Abaixo disso, há campos de entrada para: Nome ACP (preenchido com "ACP"), Endereço, Nome, Modelo (preenchido com "ODU"), Capacidade (preenchido com "3"). Há também uma opção "Ativar controlo do dispositivo (icone)" com botões "Definir" e "Limpar" (selecionado). No rodapé, há um checkbox "Adicionar todos" e um botão "EA".

3. Na lista de dispositivos, selecione grupo de nível superior para adicionar o dispositivo.
 - Quando o AC Smart é selecionado na lista de dispositivos, pode adicionar a unidade de exterior, ERV, Heating, AHU, refrigerador, dispositivo LIGADO/DESLIGADO, DI, DO, e EXP. I/O.
 - Na lista de dispositivos, quando a unidade de exterior estiver selecionada, pode adicionar apenas unidades de interior.
4. Na seção Adicionar dispositivo, insira a informação de configuração do dispositivo para adicionar.
 - De acordo com o dispositivo selecionado, a categoria de configuração de acordo com o dispositivo correspondente é exibida de maneira diferente. Para as informações de configuração de cada dispositivo, consulte a página seguinte.
5. Para gravar os conteúdos controláveis, clique no botão **[Aplicar]**.
6. Para completar a adição do dispositivo, clique no botão **[Enviar todos]**.

Nota

- O Dispositivo secundário AC Smart 5 não suporta controle / monitoramento do purificador de ar e ODU.

Editar dispositivo

Na lista de dispositivos, pode eliminar o dispositivo registado.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Instalando]**.
 - A tela de configuração do dispositivo é exibida.
2. Na lista de dispositivos, selecione o dispositivo a editar.

3. A tela de configuração do dispositivo é exibida.
4. Editar informações de configuração do dispositivo.
 - De acordo com o dispositivo selecionado, a categoria de configuração de acordo com o dispositivo correspondente é exibida de maneira diferente. Para as informações de configuração de cada dispositivo, consulte a página seguinte.
5. Para gravar os conteúdos controláveis, clique no botão **[Aplicar]**.
6. Para completar a eliminação do dispositivo, clique no botão **[Send All]**.

Eliminar dispositivo

Na lista de dispositivos, pode eliminar o dispositivo registado.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Instalando]**.
 - A tela de configuração do dispositivo é exibida.
2. Na lista de grupos, selecione o grupo a ser eliminado e clique no botão **[Eliminar]**.
3. Quando a janela pop-up para Eliminar o grupo for exibida, clique no botão **[Sim]**.
 - Na lista de dispositivos, o item selecionado é excluído.
4. Para completar a eliminação do dispositivo, clique no botão **[Enviar todos]**.

Informação de configuração de cada dispositivo

A informação de configuração de cada dispositivo é a seguinte.

- Unidade de Exterior
- UI
- ERV
- Heating
- AHU
- Refrigerador
- DOKIT
- DI/DO
- EXP. I/O
- Configuração do nível inferior de EXP. I/O
- Purificador de ar



Unidade de Exterior

Selecionar o tipo de dispositivo para adicionar a AC Smart

EU
 HRV
 AWHP
 AHU
 Chiller
 DOKIT
 DI
 DO
 EXP. I/O

Nome ACP

Endereço

Nome

Modelo

Capacidade

Adicionar todos EA

Categoria	Descrição
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Endereço	Endereço do dispositivo
Nome	Nome do dispositivo para exibir no sistema <ul style="list-style-type: none"> Para adicionar um lote, é exibido na forma "Nome_endereço do dispositivo"
Modelo	Nome do modelo do produto
Capacidade	Capacidade do produto
Ativar controle do dispositivos (ícone)	Definir se deseja ativar o ícone do dispositivo ODU <ul style="list-style-type: none"> O dispositivo ODU é exibido em Configuração de grupo, Controle de dispositivo, Erro de dispositivo e Histórico de operação somente quando o controle de dispositivo de ativação ODU (ícone) está definido.
Adicionar todos	Quando as caixas de verificação estão selecionadas, são adicionados todos os dispositivos selecionados



UI

Selecionar o tipo de dispositivo para adicionar a ODU[00]

UI

Nome ACP

Nome EU

Endereço

Nome

Modelo

Tipo ▼

Capacidade

Adicionar todos EA

Categoria	Descrição
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Nome EU	Nome da unidade de exterior ligada ao dispositivo correspondente
Endereço	Endereço do dispositivo
Nome	Nome do dispositivo para exibir no sistema <ul style="list-style-type: none">• Para adicionar um lote, é exibido na forma "Nome_endereço do dispositivo"
Modelo	Nome do modelo do produto
Tipo	Seleção do tipo de unidade de interior
Capacidade	Capacidade do produto
Adicionar todos	Quando as caixas de verificação estão selecionadas, são adicionados todos os dispositivos selecionados



ERV

Selecionar o tipo de dispositivo para adicionar a AC Smart

EU ERV Heating AHU
 Chiller DOKIT DI DO
 EXP. I/O Purificador de ar

Nome ACP:

Tipo: ▼

Endereço:

Nome:

Modelo:

Capacidade:

Adicionar todos

Categoria	Descrição
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Tipo	Seleção do tipo de ERV
Endereço	Endereço do dispositivo
Nome	Nome do dispositivo para exibir no sistema <ul style="list-style-type: none">Para adicionar um lote, é exibido na forma "Nome_endereço do dispositivo"
Modelo	Nome do modelo do produto
Capacidade	Capacidade do produto
Adicionar todos	Quando as caixas de verificação estão selecionadas, são adicionados todos os dispositivos selecionados



Heating

Selecionar o tipo de dispositivo para adicionar a AC Smart

EU
 ERV
 Heating
 AHU
 Chiller
 DOKIT
 DI
 DO
 EXP. I/O
 Purificador de ar

Nome ACP:

Endereço:

Nome:

Modelo:

Capacidade:

Método de controlo:
 Controlo da água quente
 Controlo da entrada/saída de água
 Todos

Temp. atual 1

Saída de água
 Entrada de água
 Ar
 Água quente
 Não use

Temp. atual 2

Saída de água
 Entrada de água
 Ar
 Água quente
 Não use

Temp. atual 3

Saída de água
 Entrada de água
 Ar
 Água quente
 Não use

Definir Temperatura

Entrada/saída de água
 Ar

Adicionar todos

Categoria	Descrição
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Endereço	Endereço do dispositivo
Nome	Nome do dispositivo para exibir no sistema <ul style="list-style-type: none"> Para adicionar um lote, é exibido na forma "Nome_endereço do dispositivo"
Modelo	Nome do modelo do produto
Capacidade	Capacidade do produto
Método de controlo	Selecione o método de controlo
Temp. atual 1	Tipo de temperatura atual a ser exibido em primeiro lugar
Temp. atual 2	Tipo de temperatura atual a ser exibido em segundo lugar
Temp. atual 3	Tipo de temperatura atual a ser exibido em terceiro lugar
Definir Temperatura	Tipo de temperatura configurada para controlar
Adicionar todos	Quando as caixas de verificação estão selecionadas, são adicionados todos os dispositivos selecionados



AHU

Selecionar o tipo de dispositivo para adicionar a AC Smart

EU
 ERV
 Heating
 AHU

Chiller
 DOKIT
 DI
 DO

EXP. I/O
 Purificador de ar

Nome ACP

Endereço

Nome

Modelo

AHU Tipo
 Normal
 Todos os dispositivos de ar exterior
 Geral Multi-Ventilador
 Todos as unidades de ar exterior Multi-Ventilador
 DOAS(AR-DE)
 DOAS(AR-DR)
 DOAS(AR-ND)
 Comm.Kit(SA)

Função adicional
 Nenhum
 Ventilação Automática
 Humidificar
 Ventilação automática, humidificação

Temperatura ambiente.
 Padrão de fornecimento de ar
 Padrão de ventilação

Adicionar todos

Categoria	Descrição
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Endereço	Endereço do dispositivo
Nome	Nome do dispositivo para exibir no sistema <ul style="list-style-type: none"> Para adicionar um lote, é exibido na forma "Nome_endereço do dispositivo"
Modelo	Nome do modelo do produto
Tipo AHU	Selecione o tipo AHU
Função adicional	Selecione a função a adicionar
Temperatura ambiente.	Entre o fornecimento de ar ou ventilação, selecione o padrão de configuração da temperatura de interior pretendida
Adicionar todos	Quando as caixas de verificação estão selecionadas, são adicionados todos os dispositivos selecionados

Definir o controlo de poupança de energia associado a Multi-V.

AHU Tipo Normal Todos os dispositivos de ar exterior
 Geral Multi-Ventilador
 Todos as unidades de ar exterior Multi-Ventilador
 DOAS(AR-DE) DOAS(AR-DR) DOAS(AR-ND)
 Comm.Kit(SA) DIVISÃO DOAS(ARND/DB)
 DIVISÃO DOAS(ARND/DC)

Temperatura ambiente. Padrão de fornecimento de ar Padrão de ventilação

Poupança de energia de Multi-V Definir Limpar

Passo de poupança de energia

Selecionar dispositivo

Tipo	Nome	Endereço	Grupo
EU	ODU_00	00	-
EU	ODU_01	01	-

Adicionar todos

Categoria	Descrição
Definir o controlo de poupança de energia associado a Multi-V.	Ativar/Desativar controlo de poupança de energia associado a Multi-V. <ul style="list-style-type: none"> Definir o controlo de poupança de energia associado a Multi-V ativa o passo de poupança de energia e as opções de seleção do dispositivo.
Passo de poupança de energia	Selecione os passos de poupança de energia entre os passos 1~3.
Selecionar um dispositivo.	Selecione um dispositivo exterior ao qual aplicar o controlo de poupança de energia associado a Multi-V.

Nota

- Apenas está disponível SPLIT DOAS(ARND/DB) para o controlo de poupança de energia associado a Multi-V.
- Quando o controlo de poupança de energia associado a Multi-V está em funcionamento, a bobina principal, a bobina de reaquecimento e a roda de recuperação de energia poderá desligar-se e ligar-se automaticamente.

➔ Controlo de poupança de energia associado a Multi-V



SPLIT DOAS(ARND/DB)

Item	Descrição
Ver detalhes	Clique no botão [Ver detalhes] para ver as informações detalhadas (Não disponíveis nas versões móveis)
Estado de funcionamento	<ul style="list-style-type: none"> Botão [Iniciar funcionamento]: Inicia o funcionamento do dispositivo Botão [Parar funcionamento]: Para o funcionamento do dispositivo
Temperatura pretendida	Prima o botão [▲]/[▼] para definir a temperatura pretendida
Ocupado	Função para definir o espaço gerido por DOAS como ocupado ou disponível <ul style="list-style-type: none"> Botão [Ocupado]: Definido para Ocupado Botão [Disponível]: Definido para Disponível

SPLIT DOAS(ARND/DC)

Item	Descrição
Ver detalhes	Clique no botão [Ver detalhes] para ver as informações detalhadas (Não disponíveis nas versões móveis)
Estado de funcionamento	<ul style="list-style-type: none"> Botão [Iniciar funcionamento]: Inicia o funcionamento do dispositivo Botão [Parar funcionamento]: Para o funcionamento do dispositivo
Temperatura pretendida	Prima o botão [▲]/[▼] para definir a temperatura pretendida
Ocupado	Função para definir o espaço gerido por DOAS como ocupado ou disponível <ul style="list-style-type: none"> Botão [Ocupado]: Definido para Ocupado Botão [Disponível]: Definido para Disponível

Controlo de poupança de energia associado a Multi-V

Esta é uma função para controlar os modos de funcionamento DOAS e Multi-V com base no estado de funcionamento de Multi-V e da temperatura/humidade do ar interior e exterior para poupar a energia do sistema.

O funcionamento em poupança de energia só pode ocorrer em condições interiores aceitáveis (para arrefecimento, temperatura de 28°C ou inferior e humidade relativa de 60% ou inferior). Pode ajustar o nível de frescura e poupança de energia, conforme pretender.

Nota

- Para utilizar o controlo de poupança de energia associado a Multi-V, necessita de um sensor de humidade interior DOAS.
- O funcionamento em poupança de energia só pode ocorrer quando DOAS está em funcionamento no modo de arrefecimento ou desumidificação e todas as unidades interiores estão no modo de arrefecimento.
- Passo de poupança de energia: À medida que se aproxima do passo 3, a desumidificação diminui e a poupança de energia aumenta.

➔ Definir o controlo de poupança de energia associado a Multi-V.



Refrigerador

Selecionar o tipo de dispositivo para adicionar a AC Smart

EU ERV Heating AHU
 Chiller DOKIT DI DO
 EXP. I/O Purificador de ar

Nome ACP:

Endereço:

Nome:

Tipo: ▼

Adicionar todos

Categoria	Descrição
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Endereço	Endereço do dispositivo
Nome	Nome do dispositivo para exibir no sistema <ul style="list-style-type: none">Para adicionar um lote, é exibido na forma "Nome_endereço do dispositivo"
Tipo	Selecione o tipo de refrigerador
Adicionar todos	Quando as caixas de verificação estão selecionadas, são adicionados todos os dispositivos selecionados



DOKIT

Selecionar o tipo de dispositivo para adicionar a AC Smart

EU ERV Heating AHU
 Chiller DOKIT DI DO
 EXP. I/O Purificador de ar

Nome ACP

Endereço

Nome

Adicionar todos

Categoria	Descrição
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Endereço	Endereço do dispositivo
Nome	Nome do dispositivo para exibir no sistema <ul style="list-style-type: none">Para adicionar um lote, é exibido na forma "Nome_endereço do dispositivo"
Adicionar todos	Quando as caixas de verificação estão seleccionadas, são adicionados todos os dispositivos seleccionados



DI/DO

Selecionar o tipo de dispositivo para adicionar a AC Smart

EU ERV Heating AHU
 Chiller DOKIT DI DO
 EXP. I/O Purificador de ar

Nome ACP

Endereço

Nome

Adicionar todos

Categoria	Descrição
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Endereço	Endereço do dispositivo
Nome	Nome do dispositivo para exibir no sistema <ul style="list-style-type: none">Para adicionar um lote, é exibido na forma "Nome_endereço do dispositivo"
Adicionar todos	Quando as caixas de verificação estão seleccionadas, são adicionados todos os dispositivos seleccionados

Nota

- A porta DI1 só pode ser utilizada para fins de emergência e não pode ser configurada para outros fins.
- A porta DI1 tem de estar sempre num estado aberto, exceto na situação de emergência.
- Se a porta DI1 estiver em curto-circuito, é emitido um alarme e todos os dispositivos associados à porta param.



EXP. I/O

Selecionar o tipo de dispositivo para adicionar a AC Smart

EU
 ERV
 Heating
 AHU
 Chiller
 DOKIT
 DI
 DO
 EXP. I/O
 Purificador de ar

Nome ACP

Tipo ▼

Endereço

※ Para o intervalo de endereços detalhado para cada tipo, consulte a página [Utilização (PC)] > [Configurar dispositivo] > [EXP.I/O] na Ajuda (Manual do utilizador).

Nome

Adicionar todos

Categoria	Descrição
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Tipo	Selecione o tipo de dispositivo
Endereço	Endereço do dispositivo <ul style="list-style-type: none"> Intervalo de endereços de ACS I/O : 01 ~ F7 Intervalo de endereços de ACU UIO : 60 ~ 67 Intervalo de endereços de ACU UI : 70 ~ 77 Intervalo de endereços de ACU UO : 80 ~ 87
Nome	Nome do dispositivo para exibir no sistema <ul style="list-style-type: none"> Para adicionar um lote, é exibido na forma "Nome_endereço do dispositivo"
Adicionar todos	Quando as caixas de verificação estão selecionadas, são adicionados todos os dispositivos selecionados



Configuração do nível inferior de EXP. I/O

AO[F7/00] Eliminar Aplicar

Se utilizado Utilização Não use

Nome ACP

Tipo de dispositivo

Endereço

Nome

Ícone v

I/O Tipo VOL

Limites do sinal v

Utilização

Temperatura Humidade Abertura Nível de água Rácio de funcionamento

Concentração Pressão

Símbolo da unidade

°C °F

Limites do visor

Min Max

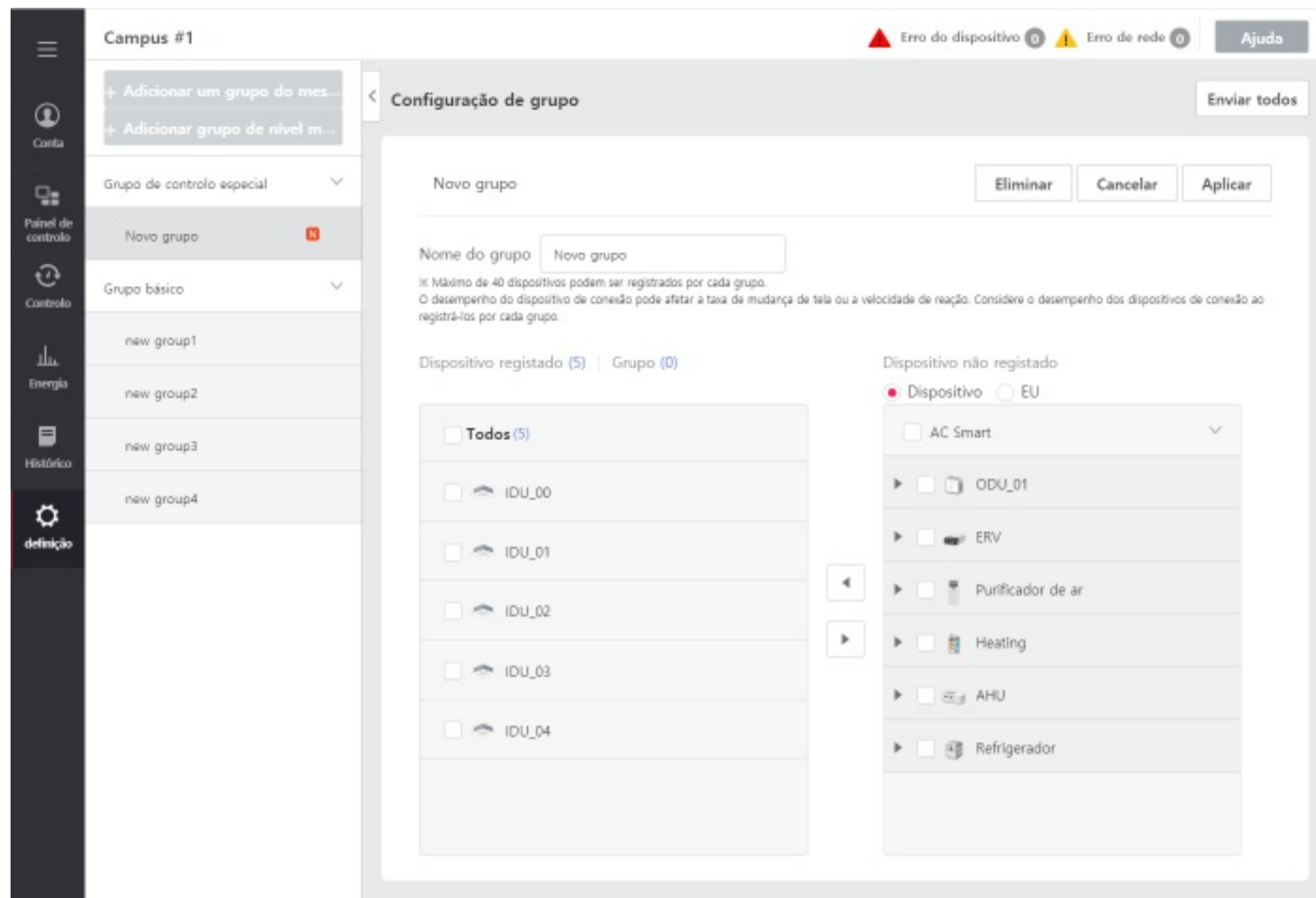
Valor de correção

Categoria	Descrição
Se utilizado	Selecione se deseja utilizar o dispositivo
Nome ACP	Nome ACP do nível superior do dispositivo correspondente
Tipo de dispositivo	Tipo de dispositivo
Endereço	Endereço do dispositivo
Nome	Nome do dispositivo
Ícone	Selecione o tipo de ícone
Tipo I/O	Selecione o Tipo I/O <ul style="list-style-type: none"> • AO: VOL • UI: BI, VOL, CUR, PT1000, NTC10K, NI1000(Mas, quando o tipo EXP / IO é ACU UIO, ACU UI, pode ser selecionado de BI ou VOL.) • DO: BI • DI: BI
Limites do sinal	Escolha um limite de sinal
Utilização	Selecione a utilização do dispositivo (Seleção da utilização é diferente de acordo com o tipo de I/O) <ul style="list-style-type: none"> • Informação do estado: Ligar/Desligar, Curto/Aberto, Aviso/Normal, Fechar/Abriu, Ligar/Desligar, Ocupado/Não Ocupado, 1/0 • Informações de valor: Temperatura, Humidade, Abertura, Nível de água, Rácio de funcionamento, Concentração, Pressão
Símbolo da unidade	Selecione o símbolo da unidade Flexibilidade alterada de acordo com a seleção de utilização
Limites do visor	Insira valor Máx./Mín.
Valor de correção	Insira o valor de correção



Configuração de grupo

Pode adicionar/eliminar o grupo de gestão criado de acordo com o uso do utilizador.



Adicionar grupo

Pode adicionar um novo grupo.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Configuração de grupo]**.
 - A tela de configuração do grupo é exibida.
2. Selecione um grupo e clique no botão Adicionar grupo.
 - Selecione **[+ Adicionar sub-grupo]** para criar um sub-grupo.
 - Selecione **[+ Adicionar grupo do mesmo nível]** para um grupo do mesmo nível.
3. Insira o nome do grupo no campo de entrada do nome do grupo.
4. Para registar um novo dispositivo na lista de dispositivos, na lista de dispositivos não registados, clique na caixa de verificação do dispositivo para registar e clique no botão **[◀]**.
5. Para gravar os conteúdos controláveis, clique no botão **[Aplicar]**.
6. Para completar a adição do grupo, clique no botão **[Enviar todos]**.

Editar grupo

Você pode editar o grupo.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Configuração de grupo]**.
 - A tela de configuração do grupo é exibida.
2. Na lista de grupos, selecione grupo para editar.
3. Editar informações do grupo.
4. Para gravar os conteúdos controláveis, clique no botão **[Aplicar]**.
5. Para completar a adição do grupo, clique no botão **[Enviar todos]**.

Eliminar grupo

Na lista de grupo, pode selecionar e eliminar o grupo pretendido.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Configuração de grupo]**.
 - A tela de configuração do grupo é exibida.
 - Na lista de grupos, selecione o grupo a ser eliminado e clique no botão **[Eliminar]**.

2. Quando a janela pop-up para Eliminar o grupo for exibida, clique no botão **[Sim]**.
 - O grupo selecionado é eliminado.
3. Para completar a eliminação do grupo, clique no botão **[Enviar todos]**.



Configuração do sistema

Pode alterar a configuração do sistema.

- No separador do menu à esquerda, clique no menu [Definição] > [Configuração do sistema].
 - A tela de configuração do sistema é exibida.
- Configura o sistema.

Configuração do sistema
Cancelar Aplicar

Título

Idioma ▼

Índice de qualidade do ar ▼

Formato do dia ▼

Formato do hora ▼

Temperatura ▼

Defina a temperatura mais baixa para ARREF/AQUE ▼
Aplica-se apenas quando o modo é ARREF/AQUE.

Utilizar a navegação de energia Definir Limpar

Data base das estatísticas de consumo de energia ▼

Categoria	Descrição
Título	Introduza o nome pretendido no campo de entrada
Idioma	Pressione botão [▼] para seleccionar o idioma desejado (한국어/ English/ Español/ Português/ Italiano/ Deutsch/ Türkçe/ Polski/ русский/ Français/ 中文/ Čeština)
Índice de qualidade do ar	Selecione o país de referência para a exibição do nível de poeira fina. (한국/Global/USA/中国/India)
Formato do dia	Pode configurar a formato do dia. (YYYY-MM-DD / MM-DD-YYYY / DD-MM-YYYY)
Formato do hora	Pode configurar a formato do hora. (12 / 24)
Temperatura	Pressione botão [▼] para seleccionar a unidade de temperatura de controle desejada (Celsius 0.5°C / Celsius 1°C / Fahrenheit 1°F)
Defina a temperatura mais baixa para ARREF/AQUE	Pressione botão [▼] para seleccionar a temperatura limite de resfriamento / aquecimento desejada (16°C / 18°C)
Utilizar a navegação de energia	Selecione se pretende utilizar a Navegação de Energia
Data base das estatísticas de consumo de energia	Prima o botão [▼] para seleccionar a data pretendida <ul style="list-style-type: none"> Configuração da base de dados da quantidade mensal de uso de energia da navegação de energia Calcula os dias até ao dia anterior à data configurada no próximo mês

- Use 'Desenho' Definir Limpar
- Use a ferramenta de concentração CO₂ Definir Limpar
- Use a ferramenta de conforto Definir Limpar
- Use a ferramenta finedust Definir Limpar
- Utilizar widget Estado do acionamento AI Definir Limpar
- Ativar comutação automática e limite de temperatura Definir Limpar
- Aplicar a fórmula de abertura da válvula Definir Limpar
- Conforto - Ajuste da estação Verão Inverno

Categoria	Descrição
Utilizar a 'Desenho'	Selecione se pretende utilizar a 'Desenho'
Use a ferramenta de concentração CO ₂	Quando está configurado, o painel de controle do CO ₂ widget é ativado
Use a ferramenta de conforto	Quando está configurado, o painel de controle do comodidade widget é ativado
Use a ferramenta finedust	Quando está configurado, o widget de pó fino no painel de controle está ativado
Utilizar widget Estado do acionamento AI.	Definir esta opção ativa o widget Estado do acionamento AI no painel.
Ativar comutação automática e limite de temperatura	Ativa a comutação automática de controlo central e a função do limite de temperatura.
Aplicar a fórmula de abertura da válvula	<ul style="list-style-type: none"> Selecione se pretende aplicar a fórmula de abertura da válvula Quando a abertura da válvula for configurada, este funciona em OA = EA e OA + MIX = 90
Conforto - Ajuste da estação	Configuração inverno / verão para cálculo de comodidade Quando chega o verão, o intervalo de comodidade está a uma temperatura mais baixa

Gestão da meta de energia

Definir

Configuração da data programada de exceção

Definir

Para registar a programação de exceção do dispositivo

Definir

Criar cópia de segurança dos dados de definição

Backup

Aplicar ficheiro de backup

Reinicialização do Sistema

Reiniciar

Enviar estado da instalação

Enviado

Categoria	Descrição
Gestão da meta de energia	Configuração da quantidade de energia alvo para gestão da energia (Painel de controlo)
Configuração da data programada de exceção	Configurar a data exceção para configuração da programação
Para registar a programação de exceção do dispositivo	Configurar com antecedência o dispositivo para a exceção na configuração da programação
Criar cópia de segurança dos dados de definição	<ul style="list-style-type: none"> Backup: cópia de segurança dos dados para o PC (No dispositivo AC Smart 5, isso é armazenado em USB). Aplicação de arquivo de backup: substituir dados com o arquivo de backup armazenado no PC
Reinicialização do Sistema	Reinicia todo o sistema
Enviar estado da instalação	Guardar o estado da instalação no PC (No dispositivo AC Smart 5, isso é armazenado em USB).

Hora do sistema 18-06-2018 11:56

Configuração da data 18-06-2018 ▼

Configuração da hora 11 55

Se alterar a data ou hora do sistema, o sistema reinicia e necessita de iniciar novamente sessão.

Horário de verão Definir Limpar

Data de início 1Mês ▼ Primeiro ▼ Seg.Dias ▼ 1:00 ▼

Data de fim 1Mês ▼ Primeiro ▼ Seg.Dias ▼ 1:00 ▼

Versão Ver.1.40.0
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Categoria	Descrição
Hora do sistema	Verifique a hora do sistema
Configuração da data	Pode configurar a data atual.
Configuração da hora	Pode configurar a hora atual.
Horário de verão	Definir/Limpar Horário de verão: data de início e fim
Versão	Pode verificar a versão.

3. Quando a configuração estiver concluída, clique no botão **[Aplicar]**.

- ➔ Configuração da data de exceção
- ➔ Eliminar a data de exceção
- ➔ Registe a programação de exceção do dispositivo

Nota

- Quando a hora ou a data do sistema são alteradas, isto pode ser desconectado e você vai precisar fazer login novamente.



Configuração de rede

Pode configurar ou alterar as informações da rede.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Configuração de rede]**.

- A tela de configuração de rede é exibida.

2. Configure as informações da rede.

Cancelar
Aplicar

IPv4 Habilitar definição Cancelar

IPv4 Configuração de Endereço AUTO Manual
Se o dispositivo for definido como DHCP, é possível alterar o endereço IP.

IPv4 Informação

IP Endereço

Máscara Subnet

Gateway básico

IPv6 Habilitar definição Cancelar

IPv6 Configuração de Endereço Configuração Automática DHCP Manual
Se o dispositivo for definido como DHCP, é possível alterar o endereço IP.

IPv6 Informação

IPv6 Endereço

endereço IP

comprimento do prefixo de sub-rede

Configuração DNS AUTO Manual

Principal DNS

Sub DNS

MAC Endereço

MAC Endereço

Web Port Definir

Número da porta

※ A porta não utilizada é uma porta configurada como Porta Pública, ou a porta utilizada pelo AC Smart 5.

Categoria	Descrição
IPv4 Habilitar	Endereço de uso do IPv4 definição/Cancelar
IPv4 Configuração de Endereço	Verifique a configuração do endereço IPv4 AUTO(DHCP)/Manual Se utilizar AUTO(DHCP), o endereço IP pode ser alterado. Por isso, é aconselhável utilizar a configuração do endereço IP manual.
IPv4 Informação	Verifique o endereço IPv4
IPv6 Habilitar	Endereço de uso do IPv6 definição/Cancelar
IPv6 Configuração de Endereço	Endereço de uso do IPv6 Configuração Automática/DHCP/Manual Se utilizar DHCP, o endereço IP pode ser alterado. Por isso, é aconselhável utilizar a configuração do endereço IP automática ou manual.
IPv6 Informação	Verifique o endereço IPv6
Configuração DNS	[AUTO]: Configura automaticamente o DNS principal e o DNS secundário [Manual]: O utilizador configura o DNS principal e o DNS secundário
MAC Endereço	Verifique o endereço MAC
Web Port Definir	Configuração da porta (alcance: 2 a 65535)

Nota

A configuração de rede pode ser configurada no Dispositivo, e só algumas configurações podem ser alteradas na Web.

3. Quando a configuração estiver concluída, clique no botão **[Aplicar]**.



Configuração do aviso de erro

Pode configurar ou modificar o aviso de erro.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Configuração do aviso de erro]**.

- A tela de configuração do aviso de erro é exibida.

2. Configurar o aviso de erro.

Configuração do aviso de erro

Cancelar
Aplicar

configuração da utilização de e-mail
 Definir
 Limpar

título e-mail

Receção do endereço de e-mail

Adicionar endereço

Ciclo de envio quando ocorre um erro

v

Repetir envio quando ocorre um erro
 Uma vez
 Repetir

E-mail de Notificação Diária e automática de erros
 Definir
 Limpar

Categoria	Descrição
configuração da utilização de e-mail	Seleção de configuração/cancelamento de envio ou não do erro ocorrido do endereço do dispositivo e erro do N°. através do e-mail
título e-mail	Configuração do título de e-mail
Receção do endereço de e-mail	Insira o endereço de e-mail de receção
Ciclo de envio quando ocorre um erro	Configurar o ciclo da transmissão em caso de erro (10/20/30/40/50/60 min.)
Repetir envio quando ocorre um erro	Uma vez: envio do mesmo alarme de erro quando ocorre o erro. Repetir: envio do mesmo alarme de erro repetidamente a cada ciclo.
Enviar automaticamente 1 vez por 1 dia quando o erro não ocorrer	Envio automático de e-mail uma vez por dia quando não ocorrem erros

3. Para gravar os conteúdos controláveis, clique no botão **[Aplicar]**.

Nota

Antes da configuração do uso do e-mail, verifique as seguintes categorias.

- **[Configuração] > A [Configuração de rede] do servidor DNS deve ser configurada.**
- **[Configuração] > O servidor de correio da [Configuração de administrador] e o envio de e-mail devem ser definidos.**



Configuração de administrador

Pode configurar ou alterar o ambiente de gestão do utilizador quando o utilizador inicia a sessão com autoridade de gestão.

1. No separador do menu à esquerda, clique no menu [Definição] > [Configuração de administrador].

- A tela de Configuração de administrador é exibida. Pode alterar as informações do gestor ou configurar o ambiente de utilização do sistema.

Configuração do Gestor

Cancelar Aplicar

Configurar palavra chave

Palavra chave atual

Nova palavra chave

Verificar nova palavra chave

Configurar recepção de e-mail

E-mail

※ Quando adicionar 'novo Interligação', se selecionar Enviar e-mail com condição de saída Pode receber informações de execução da Interligação para o email do gestor configurado.

Configurar servidor de correio

Teste de ligação

SMTP Servidor

Porta

Âmbito 2~65535

※ Ao editar as configurações do servidor de e-mail ou as configurações de e-mail recebidas / enviadas, você não pode executar [Teste de conexão]. Clique no botão [Aplicar] para salvar as alterações e tente novamente.

※ Para executar [Conexão de Teste] nas configurações do servidor de e-mail ou para receber / enviar e-mail através do controlador central, primeiro você precisa configurar o [Configuração de Rede] > [Configuração DNS].

Configurar envio de e-mail

ID

Senha

※ Precisa de guardar o ID do servidor de e-mail (servidor SMTP) e a palavra-chave utilizadas no teste de ligação bem-sucedido para enviar e-mail através do servidor de correio.

Menu de configuração

Painel de Controlo

Controlo

Controlo do dispositivo

Controlo da programação

Interligação

Controlo limite do tempo

Hotéi solução (BACnet)

Energia

Utilização de energia

Navegação de energia

Controlo da Pico/solicitação

Custo unitário da energia

Histórico

Histórico de funcionamento

Histórico da navegação de energia

Tendência de funcionamento

Ciclo

Definir

Instalando

Configuração de grupo

Configuração do sistema

Configuração de rede

Configuração do aviso de erro

Configuração do Gestor

Configuração adicional de utilizador

Configuração de tela

Configuração de avanço

Configuração do TMS

Configuração do BACnet/Modbus

Monitorização de matéria particulada interior

Categoria	Descrição
Configurar palavra chave	Configuração da Palavra-Chave a ser utilizada durante o início de sessão <ul style="list-style-type: none">Palavra chave atual: Insira a palavra chave utilizada atualmente para o início de sessãoNova palavra chave: Insira a nova palavra chaveVerificação da nova palavra chave: Insira mais uma vez a nova palavra chave
Configurar receção de e-mail	Insira endereço de e-mail
Configurar servidor de correio	Configuração do servidor do Gestor de Correio <ul style="list-style-type: none">Servidor SMTP: Endereço do servidor SMTP de entradaPorta: Porta de entrada N°.Teste de conexão: Teste da conta de entrada de correio (rede deve estar ligada)
Configurar envio de e-mail	<ul style="list-style-type: none">ID: Insira ID do utilizadorPalavra Chave: Insira palavra chave do utilizador
Menu de configuração	Clique na caixa de verificação para seleccionar o menu pretendido do gestor (pode seleccionar múltiplos) <ul style="list-style-type: none">Painel de controloControlo: Controlo do dispositivo, Controlo da programação, Interligação, Controlo limite do tempo, Hotéi solução (BACnet)Energia: Utilização de energia, Navegação de Energia, Controlo da Pico/Demanda, Custo unitário da energiaHistórico: Histórico de funcionamento, Histórico da navegação de energia, Tendência de funcionamento, Ciclodefinição: Instalando, Configuração do grupo, Configuração do sistema, Configuração de rede, Configuração do aviso de erro, Configuração de administrador, Configuração adicional de utilizador, Configuração de tela, Configuração de avanço, Configuração do TMS, Configuração do BACnet/Modbus, Monitorização de matéria particulada interior, Definir monitorização de matéria particulada

2. Para gravar os conteúdos controláveis, clique no botão **[Aplicar]**.

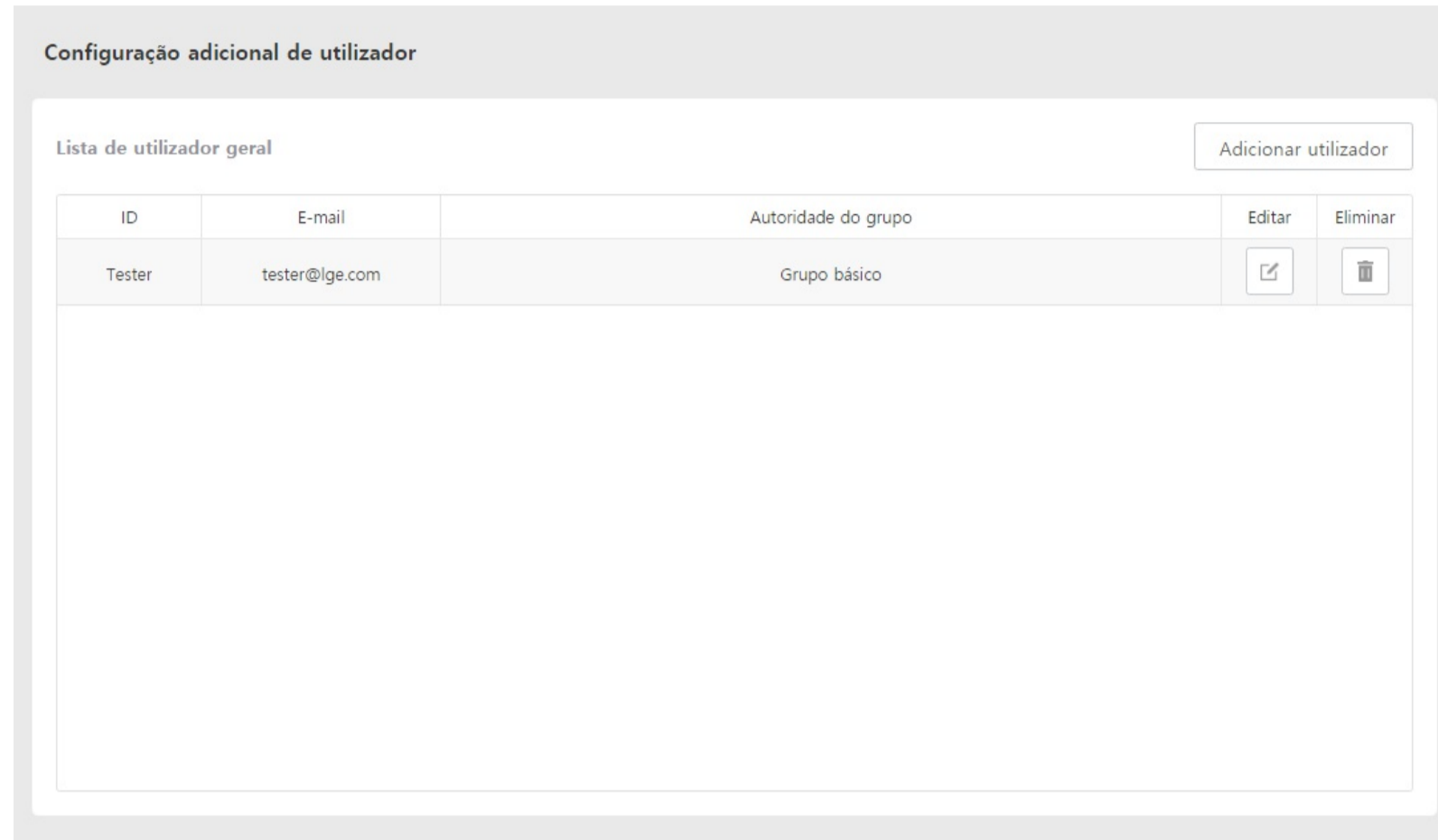


Configuração adicional de utilizador

Pode gerir a lista de utilizador adicional quando iniciar a sessão com autoridade de gestor.

1. No separador do menu à esquerda, clique no menu **[Definição] > [Configuração adicional de utilizador]**.

- A tela de Configuração adicional de utilizador é exibida. Pode adicionar o utilizador ou editar ou eliminar a informação do utilizador registado.



Adicionar utilizador

Pode adicionar um gestor secundário e utilizadores em geral.

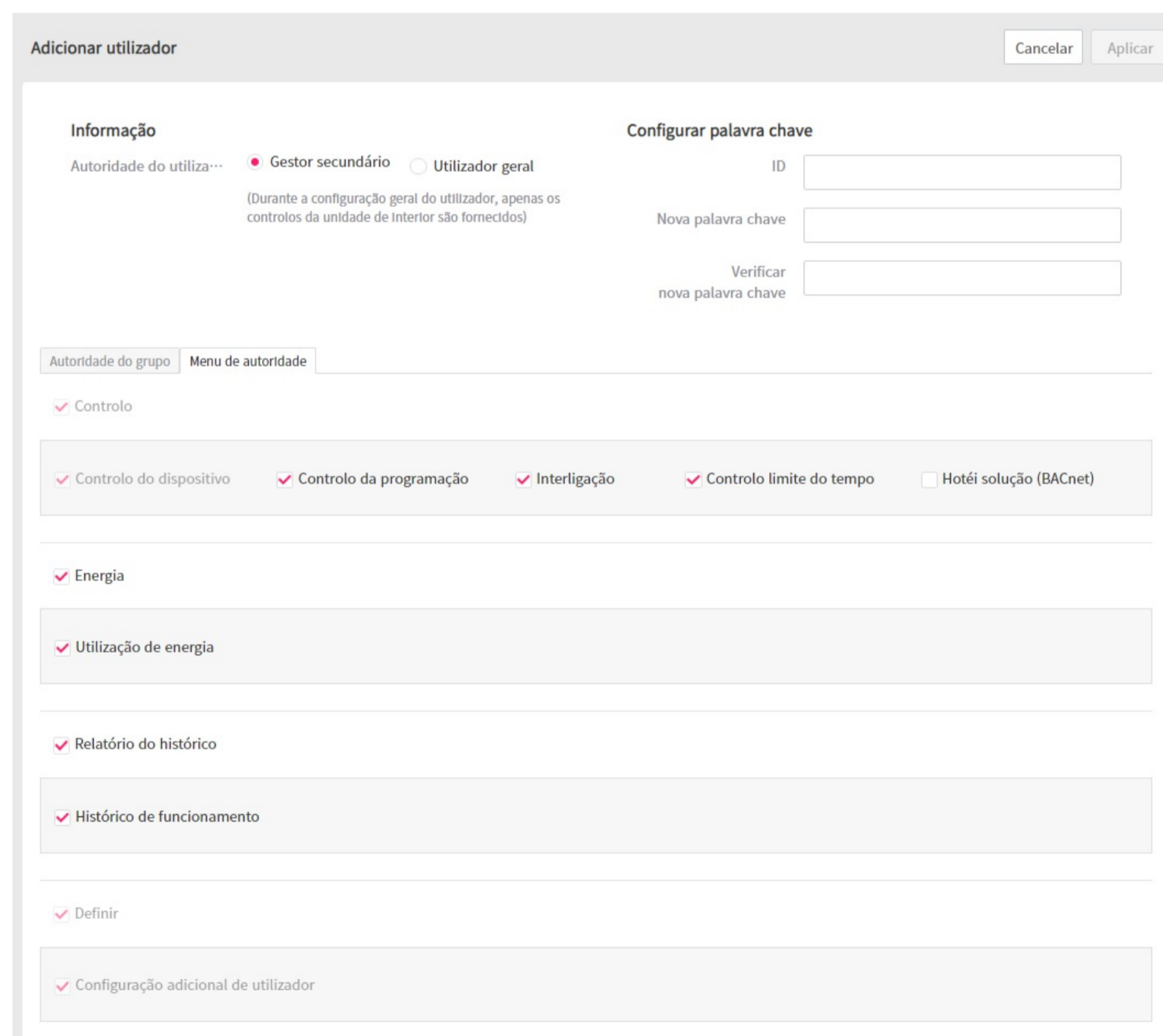
1. No separador do menu à esquerda, clique no menu **[Definição] > [Configuração adicional de utilizador]**.

- A tela de configuração de utilizador adicional é exibida.

2. Clique no botão **[Adicionar utilizador]**.

- A tela de Adicionar utilizador é exibida.

3. Configurar cada categoria.



Categoria	Descrição
Informação	<p>[Autoridade do utilizador]</p> <ul style="list-style-type: none"> • Gestor secundário: Fornece o menu de atribuição de autoridade • Utilizador geral: Fornece apenas os controlos simples da unidade de interior
Configurar palavra chave	<p>[ID]: Insira o ID a utilizar</p> <p>[Senha]: Insira a palavra chave a utilizar</p> <p>[Verificar palavra chave]: Insira novamente a palavra chave a utilizar</p>

Autoridade do grupo	Atribuir autoridade do grupo a utilizador adicional <ul style="list-style-type: none">Quando o grupo for selecionado, apenas o grupo correspondente pode controlar
Menu de autoridade	Atribuição de Autoridade de menu usado por utilizador adicional <ul style="list-style-type: none">Para o utilizador geral, apenas a autoridade dos menus [Controlo]-[Control de dispositivo], [Definição]-[Configuração adicional de utilizador] é atribuída

4. Quando a configuração estiver concluída, clique no botão **[Aplicar]**.

Eliminar utilizador

Pode eliminar um utilizador registado.

- No separador do menu à esquerda, clique no menu **[Definição] > [Configuração adicional de utilizador]**.
 - A tela de configuração de utilizador adicional é exibida.
- Clique no botão **[Eliminar]** do utilizador para eliminar.
 - A tela de eliminar o utilizador é exibida.
- Clique no botão **[Sim]**



Configuração da tela

Você pode definir o ambiente de uso relacionado à tela do produto.

1. No separador do menu à esquerda, clique no menu **[definição]** > **[Configuração de tela]**.

- A tela para a configuração da tela é exibida.

2. Configurar informações da tela.

Configuração de tela

Cancelar Aplicar

Usar desligamento do monitor Definir Limpar

Tempo antes de desligar o monitor (Minuto) 10Minuto

Categoria	Descrição
Configuração de tela	<ul style="list-style-type: none">• Uso do OFF do monitor: uso da função de desligamento do monitor Definir/Limpar• Tempo de espera do monitor (min.): ajuste o tempo de espera até que a alimentação do monitor seja desligada (10/20/30/40/50/60 min.)

3. Quando a configuração estiver concluída, clique no botão **[Aplicar]**.



Configuração de avanço

Você pode definir as funções necessárias para a operação do dispositivo.

1. No separador do menu à esquerda, clique no menu [definição] > [Configuração de avanço].

- É exibida uma tela de Configuração de avanço.

Configuração de avanço
Cancelar Aplicar

Configurar dispositivo ligado

Monitor de ciclo Definir Limpar

Controlo de ciclo Definir Limpar

Controlador secundário Definir Limpar

Bloqueio do controlador secundário Definir Limpar

Configuração do estado normal da porta DI1 ABRIR CURTO

Diferencial ▼

Unidade exterior de retorno do óleo Operação

Utilização Definir Limpar

Tipo Simultâneo Sequencial !

Tempo Diário ▲ ▼ horas

Categoria	Descrição
Configurar dispositivo ligado	<ul style="list-style-type: none"> • Monitor de ciclo: configure se deseja usar o monitoramento da informação do ciclo • Controlo de ciclo: configure se deseja executar o controle do ciclo • Controlador secundário: configure se o controle do controlador escravo é possível • Bloqueio do controlador secundário: defina se o controle do controlador escravo é possível para a unidade interna com todo o conjunto de bloqueio (Uso: o controle do controlador escravo não é possível) • Configuração do estado normal da porta DI1: configura o estado normal da porta DI1.
Configuração da diferença de temperatura	Pressione o botão [▼] para ajustar a diferença de temperatura para operação de comutação automática
Operação de Retorno de Óleo da Unidade Externa	<ul style="list-style-type: none"> • Defina se deseja executar a operação de recuperação de óleo da unidade externa • Defina a recuperação de óleo da unidade exterior para funcionamento Simultâneo/Sequencial. <ul style="list-style-type: none"> - Operação Simultânea: Opera a recuperação de óleo da unidade externa ao mesmo tempo. - Funcionamento Sequencial: controla a recuperação de óleo da unidade exterior sequencialmente com um intervalo de 10 minutos. • Pressione o botão [▲]/[▼] para configurar o tempo de operação de recuperação de óleo da unidade externa

2. Para gravar os conteúdos controláveis, clique no botão [Aplicar].



Configuração do TMS

Você pode configurar o serviço remoto que pode gerenciar o sistema remotamente.

1. No separador do menu à esquerda, clique no menu **[definição]** > **[Configuração do TMS]**.

- A tela de configuração de rede é exibida.

Configuração do TMS
Cancelar Aplicar

Configuração TMS

Definir Limpar

TMS 2.0 TMS 3.0

TMS 3.0 deve ser definido após a verificação com um engenheiro profissional do TMS.

Serviço de informação TMS

Endereço do servidor TMS:

Porta do servidor TMS:

Ciclo de atualização: ▼
(Segundo)

Acelere a monitorização do ciclo da unidade exterior

Definir Limpar

Acelere a monitorização do ciclo da unidade exterior deve ser definido após a verificação com um engenheiro profissional do TMS.

Informações da obra

Endereço do obra:

Nome da obra:

Código do obra:

Categoria	Descrição
Configuração TMS	<ul style="list-style-type: none"> • Defina se deseja usar o serviço remoto • Define o tipo de servidor para serviço remoto <ul style="list-style-type: none"> - Botão [TMS 2.0] : Ligue ao servidor TMS 2.0 - Botão [TMS 3.0] : Ligue ao servidor TMS 3.0
Serviço de informação TMS	<ul style="list-style-type: none"> • Endereço do servidor TMS: endereço do servidor remoto de entrada • Porta do servidor TMS: Digite o número da porta do servidor do serviço remoto • Ciclo de Atualização (segundo): Pressione o botão [▼] para selecionar o ciclo de atualização do serviço remoto 10 / 30 / 60 / 90 / 120 segundo • Acelere a monitorização do ciclo da unidade exterior: Define se acelera a monitorização do ciclo da unidade exterior
Informações da obra	<ul style="list-style-type: none"> • Endereço do obra: entrada do endereço do site remoto • Nome da obra: nome remoto do local de entrada • Código do obra: Pressione o botão [Introduza um código de obra] para inserir o código do site

2. Para gravar os conteúdos controláveis, clique no botão **[Aplicar]**.



Configuração do BACnet/Modbus

Guia sobre a autenticação BTL

Necessita de definir BACnet para Tipo C para os dispositivos funcionarem utilizando as funções autenticadas por BTL.

BACnet Tipo A/B existe para manter compatibilidade com os produtos existentes. Se definir BACnet para Tipo A/B, os dispositivos podem utilizar as funções não autenticadas por BTL, fazendo com que funcionem de forma diferente do normal.

Método de funcionamento de acordo com o tipo de BACnet

- Tipo A: cria vários dispositivos e os objetos são incluídos no dispositivo de cada equipamento. Vários dispositivos respondem utilizando o mesmo endereço MAC para os endereços físicos.

- Tipo B: cria vários dispositivos e os objetos são incluídos no dispositivo de cada equipamento. Os dispositivos respondem com endereços físicos únicos.

- **Tipo C: cria apenas um dispositivo, que inclui todos os objetos.**

※ **Cuidado: se alterar o tipo, o número do dispositivo pode ser alterado, tornando-o necessário para efetuar engenharia adicional com o BMS.**

Você pode alterar a configuração BACnet/Modbus.

1. No separador do menu à esquerda, clique no menu [definição] > [Configuração do BACnet/Modbus].

- A tela para a configuração da BACnet/Modbus é exibida.

2. Configurar informações da BACnet/Modbus.

Configuração do BACnet/Modbus
Cancelar Aplicar

BACnet Habilitar Definir Limpar

Configuração da Temperatura da Unidade °C °F

Configuração do ID do Dispositivo

9000

Definição de Network Number

0

Registrar como Dispositivo Estrangeiro Definir Limpar

IP: 192.168.0.1

Porta: 47808

TTL: 36000

Configuração de Apenas Monitorização Definir Limpar

BACnet Port Setting

Porta ACP: 47808

Porta BMS: 47808

Definição do tipo de BACnet Tipo A Tipo B Tipo C

Configuração de sincronização de tempo Definir Limpar

Modbus TCP Habilitar Definir Limpar

Configuração do Número Vnet

10

Categoria	Descrição
BACnet Habilitar	BACnet Habilitar Definir/Limpar
Configuração da Temperatura da Unidade	Selecione o tipo de unidade de temperatura (°C/°F)

Configuração do ID do Dispositivo	Configuração do ID do dispositivo para designar o Número da Instância do Dispositivo <ul style="list-style-type: none"> • Ar condicionado: ID do Dispositivo • ERV: Ventilação: ID do dispositivo + 1 • AHU: ID do Dispositivo + 2 • Informação de ciclo da unidade exterior: ID do Dispositivo + 3 • Heating: ID do dispositivo + 4 • Normal : ID do dispositivo + 5
Definição de Network Number	Definição de Network Number
Registrar como Dispositivo Estrangeiro	Dispositivo Estrangeiro Definir/Limpar
Configuração de Apenas Monitorização	Somente Monitoramento Definir/Limpar
BACnet Port Setting	Configuração de BACnet porta
Definição do tipo de BACnet	Seleção do tipo BACnet (A/B/C)
Configuração de sincronização de tempo	Sincronização de tempo Definir/Limpar
Modbus TCP Habilitar	Modbus TCP Habilitar Definir/Limpar
Configuração do Número Vnet	Configuração do número Vnet para usar a função Modbus TCP Estabelecer o Valor do número Vnet funciona como endereço de identificação do escravo do Modbus TCP

3. Quando a configuração estiver concluída, clique no botão **[Aplicar]**.



Definir monitorização de matéria particulada.

Esta opção permite definir e gerir a monitorização de matéria particulada.

1. No separador de menu esquerdo [Definições] > [Definir monitorização de matéria particulada].

- Vai aparecer o ecrã para definir a monitorização de matéria particulada. Pode adicionar tarefas de monitorização de matéria particulada e editar ou eliminar tarefas listadas.

Campus #1

Erro do dispositivo 0 Erro de rede 0 Ajuda

Definir monitorização de matéria particulada

Lista de monitorização de matéria particulada Adicionar

Nome	Nº.	Dispositivo e grupo	Editar	Eliminar
1st Floor	Individual	AC_UNIT_00 e 15caso		
2nd Floor	Grupo	Grupo básico > Group_00		

Adicionar/Editar a tarefa de monitorização de matéria particulada.

Pode adicionar ou editar tarefas de monitorização de matéria particulada.

1. No separador de menu esquerdo [Definições] > [Definir monitorização de matéria particulada].

- Vai aparecer o ecrã para definir a monitorização de matéria particulada.

2. Clique no botão [Adicionar].

- Vai aparecer o ecrã para adicionar a tarefa de monitorização de matéria particulada.

3. Defina os itens no ecrã.

Definir monitorização de matéria particulada

Cancelar Aplicar

Nome

Tipo Monitorização de grupo Monitorização de dispositivo individual


Frequência de comutação para página do dispositivo ▼

Apresentar certificação de área de ar limpo Cancelar Utilização

Cenário (Tamanho: 3 MB, Proporção: 8:9 recomendada)

Frequência de comutação da imagem ▼

Selecionar dispositivo

Tipo	Nome	Endereço	Grupo
 Não existe um produto registado. Registar o dispositivo ao seleccionar o botão Editar dispositivo.			

Campus #1 ▲ Erro do dispositivo 0 ▲ Erro de rede 0 Ajuda

Cancelar Aplicar

Definir monitorização de matéria particulada

Nome

Tipo Monitorização de grupo Monitorização de dispositivo individual

Frequência de comutação do dispositivo ▼


Utilizar texto alternativo para mau estado

Apresentar certificação de área de ar limpo Cancelar Utilização

Cenário (Tamanho: 3 MB, Proporção: 8:9 recomendada)

Frequência de comutação da imagem ▼

Selecionar dispositivo

Tipo	Nome	Endereço	Grupo
 <p style="color: red; font-weight: bold; margin-top: 10px;">Não existe um produto registado.</p> <p style="color: red; font-weight: bold; margin-top: 5px;">Registar o dispositivo ao seleccionar o botão Editar dispositivo.</p>			

Item	Configuração
Nome	Defina o nome da monitorização de matéria particulada.
Ciclo de comutação de página do dispositivo/Ciclo de comutação do dispositivo	Defina o Ciclo de comutação de página do dispositivo/Ciclo de comutação do dispositivo.
Tipo	Defina o tipo de monitorização. <ul style="list-style-type: none"> Monitorização de grupo: Proporciona um nível de limpeza total e dados estatísticos do grupo Monitorização de dispositivo individual: Proporciona um nível de limpeza total e imagens para cada dispositivo
Utilizar texto alternativo para estado Mau.	Proporciona texto e imagens alternativos para estado de limpeza total de Mau ou inferior. <ul style="list-style-type: none"> Apenas disponível para monitorização de dispositivo individual
Apresentar Certificação de área de ar limpo.	Apresentar ou ocultar vinheta de Certificação de área de ar limpo.
Imagem	Defina a imagem a apresentar durante a monitorização. Podem ser definidas até 10 imagens. <ul style="list-style-type: none"> [Importar]: Importe uma imagem para utilizar. Quando aparecer a janela Importar, seleccione o ficheiro de imagem para adicionar e clique no botão [Abrir]. [Adicionar]: Adiciona um separador de definição de imagem. [Eliminar]: Elimina um separador de definição de imagem. [Repor]: Repõe a imagem adicionada. Apenas disponível para monitorização de dispositivo individual
Frequência de comutação da imagem	Defina a Frequência de comutação da imagem. <ul style="list-style-type: none"> Apenas disponível para monitorização de dispositivo individual
Editar dispositivo	Selecione o dispositivo ou grupo para o qual efetuar a monitorização de matéria particulada. <ul style="list-style-type: none"> Clique no botão [Editar dispositivo] para fazer surgir a janela de pop-up para editar o dispositivo. Na lista de dispositivos não registados, assinale a caixa para o dispositivo ou grupo a registar e clique no botão [◀]. Assim que o dispositivo for registado com sucesso, clique no botão [Aplicar].

4. Assim que a definição for concluída, clique no botão **[Aplicar]**.

Eliminar monitorização de matéria particulada.

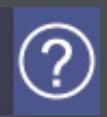
Pode eliminar a definição de monitorização particulada listada.

1. No separador de menu esquerdo [**Definições**] > [**Definir monitorização de matéria particulada**].
 - Vai aparecer o ecrã para definir a monitorização de matéria particulada.
2. Clique no botão [**Eliminar**] ao lado do item para eliminar.
 - Vai aparecer a janela pop-up para eliminar.
3. Clique no botão [**Sim**].

Nota

Tamanho de imagem recomendado (para resolução 1920x1080)

- Horizontal: 960x1080px
- Vertical: 1080x840px



Utilização (Móvel, Tablet)

- Entrar / Sair
- Painel de controlo
- Controlo do dispositivo
- Controlo da programação



Você pode acessar o produto com o endereço IP na janela de endereço de internet para usar várias funções de controle central.

Nota

- Se recomendam os navegadores Chrome para o controle da web.
- Para o acesso à web, o endereço IP precisa de ser configurado.

Entrar

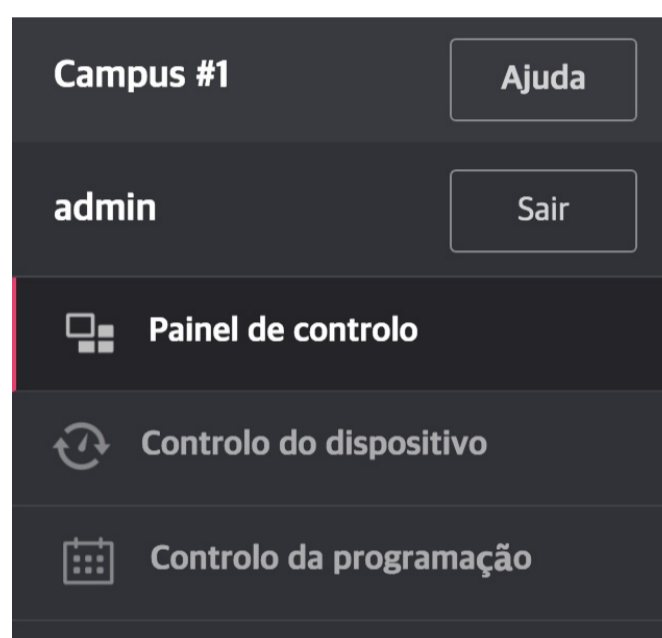
O método de início de sessão é como se segue.

1. Digite o endereço IP do produto na janela do endereço de internet.
2. Insira o ID e a palavra chave na janela e clique no botão **[Entrar]**.

Sair

O método para Sair é o seguinte.

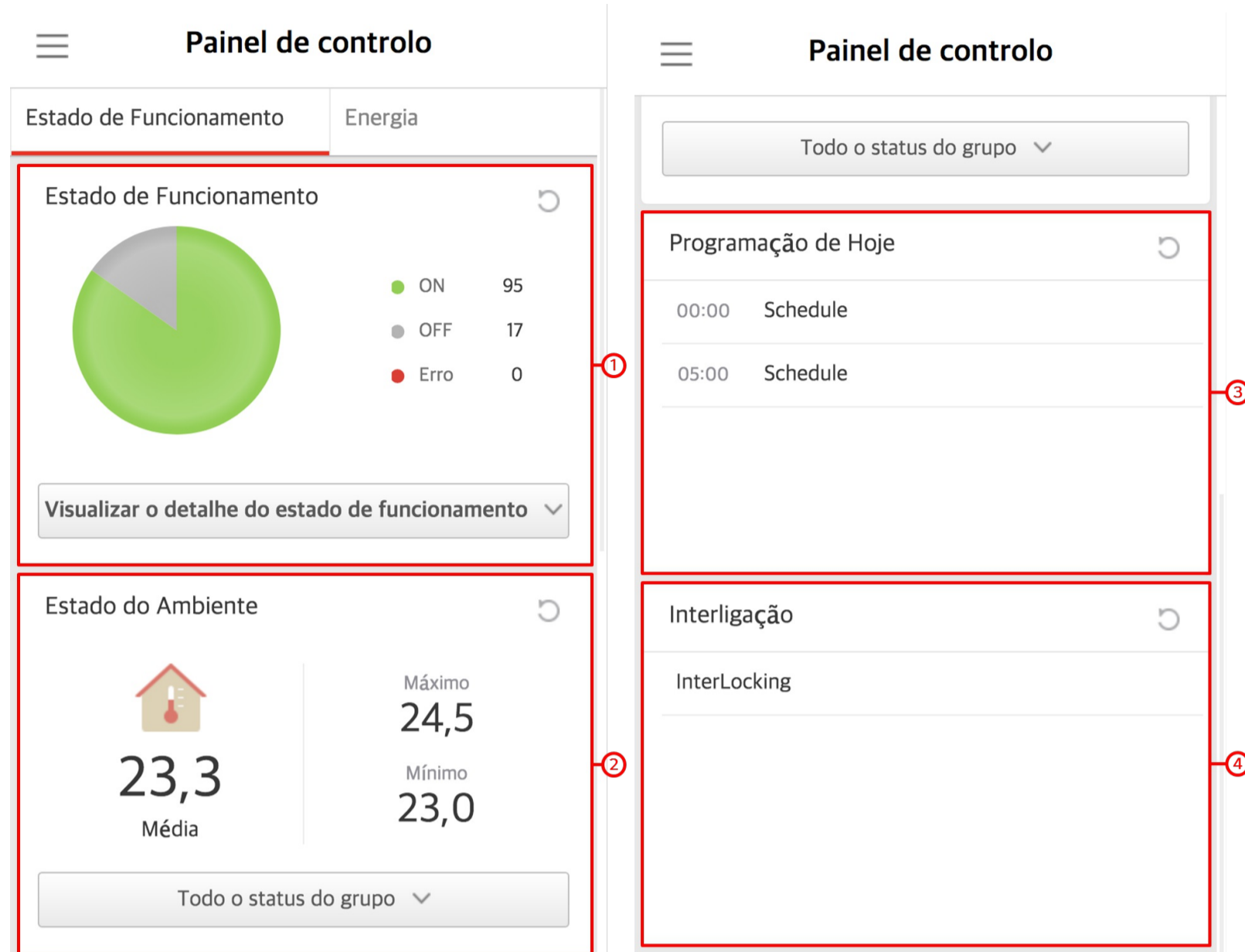
1. No menu, clique no botão **[Logout]**.



Pode verificar o estado atual de funcionamento e a tendência de utilização de energia dos equipamentos instalados no AC Manager 5.

Estado de Funcionamento

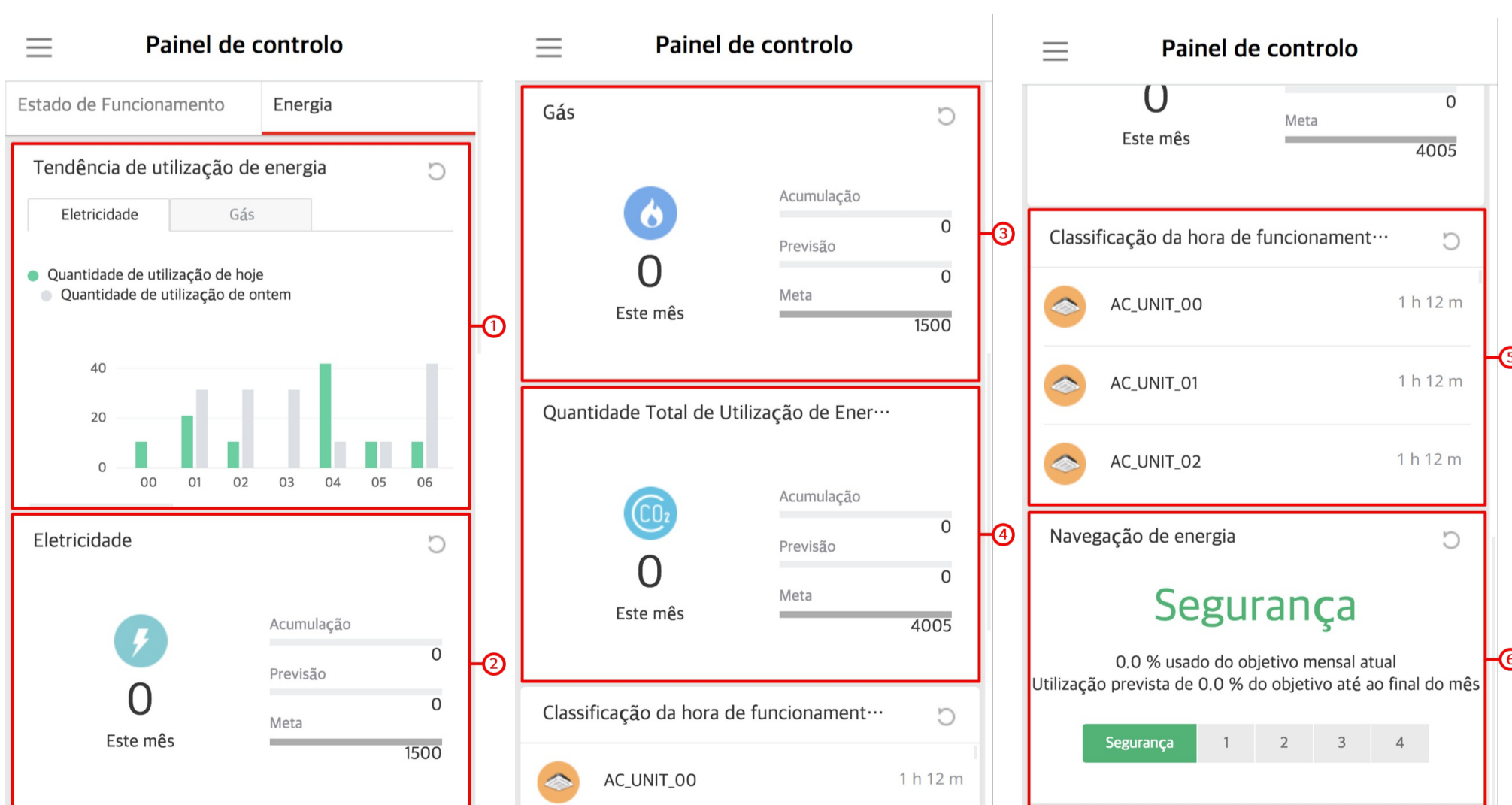
Este descreve a composição do separador do estado de funcionamento atual do painel de controlo e funções.



Nº.	Categoria	Índice
①	Estado de Funcionamento	<p>Verifique o status da operação (ON/OFF/Erro) do equipamento instalado no produto</p> <p>[Grupo]</p> <ul style="list-style-type: none"> Verificação do estado de funcionamento de cada grupo de gestão atribuído pelo utilizador <p>[Dispositivo]</p> <ul style="list-style-type: none"> Verificação do estado de funcionamento de cada dispositivo
②	Estado do Ambiente	Verificação da temperatura média interior, temperatura interior Máx./Mín. e grupo
③	Programação de hoje	Verificação da lista de programação de hoje
④	Interligação	Verificação da lista de controlo da Interligação

Energia

Este descreve a composição do separador de energia do painel de controlo e funções.

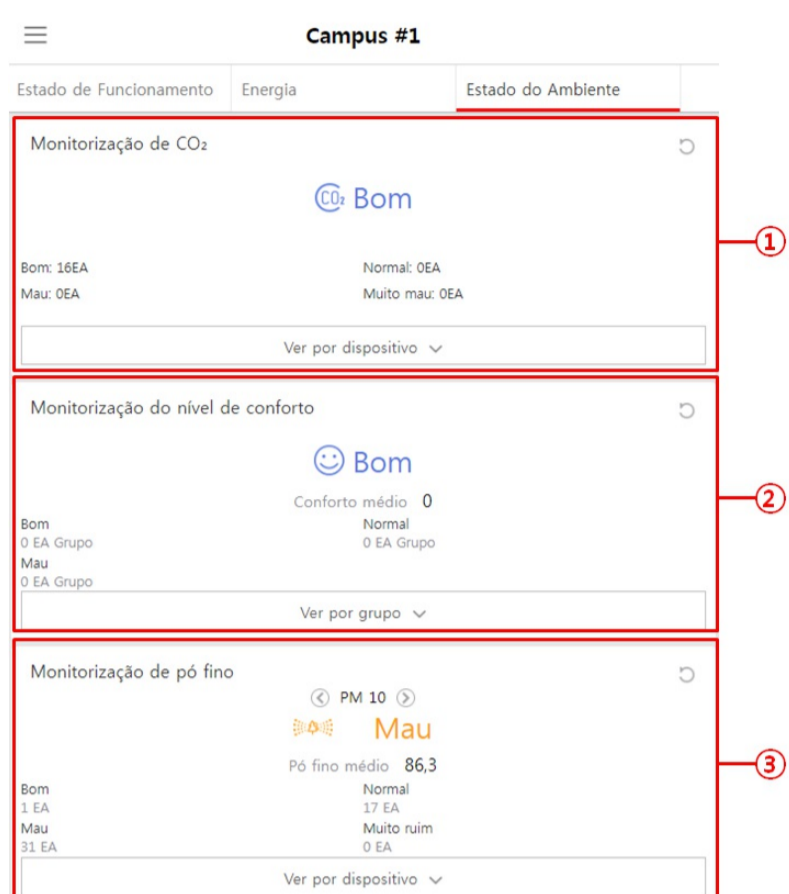


Nº.	Categoria	Índice
①	Tendência de utilização de energia	Verificação da tendência diária, mensal e anual de energia elétrica/ quantidade de utilização de gás
②	Eletricidade	Verificação da acumulação da quantidade de utilização de eletricidade, previsão, e meta

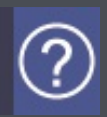
③	Gás	Verificação da acumulação da quantidade de utilização de gás, previsão, e meta
④	Quantidade Total de Utilização de Energia	Verificação da acumulação da quantidade de utilização de energia total, previsão, e meta
⑤	Tempo de funcionamento contínuo	Verificação da classificação do tempo de funcionamento contínuo da unidade de interior
⑥	Navegação de energia	Verifique o estado da navegação da energia

Estado do Ambiente

Ele descreve composição e funções da aba de Estado do ambiente do painel



Nº.	Categoria	Índice
①	Monitorização de CO ₂	Verifique o estado do CO ₂ da ERV registrada
②	Monitorização do nível de conforto	Verifique o status de amenidade da unidade interna registrada
③	Monitorização de pó fino	Verifique o Estado do pó fino da unidade interna registrada, Purificador de ar O pó fino é classificado como PM10, PM2.5 e PM1.0, e indica cada estado e concentração



Controlo do dispositivo

Este descreve o método para controlar o dispositivo e para monitorizar o estado do dispositivo.

[Screen]

- Estrutura e Função da Tela

[Janela de Controle]

- Controlo de Cada Dispositivo
- Informação do Dispositivo



Estrutura e Função da Tela

1. No separador do menu à esquerda, clique no menu [Controlo] > [Control de dispositivo].

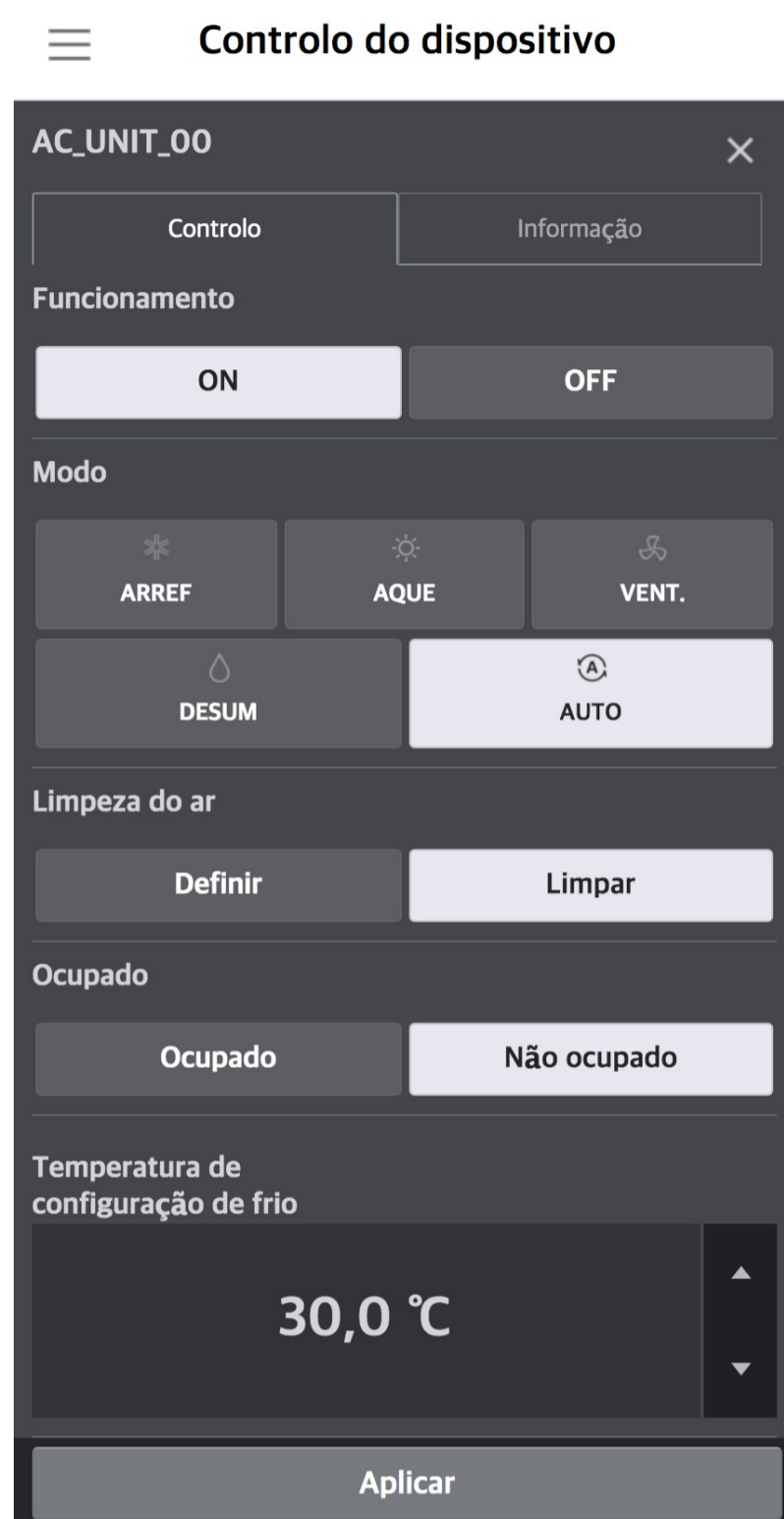
- A tela de controlo do dispositivo é exibida.



Nº.	Categoria	Índice
①	Informação do grupo	Nome do grupo e de localização do grupo
②	Filtragem	Filtragem da categoria do dispositivo
③	Seleção múltipla	Seleciona vários dispositivos quando é clicado
④	Seção do Dispositivo	Verifique a informação dos dispositivos configurados no grupo

Controlo de Cada Dispositivo

Quando um dispositivo é seleccionado na seção do dispositivo, a janela de controlo é criada como na seguinte tela. Através da janela do controlo, pode controlar o dispositivo seleccionado.



Nota

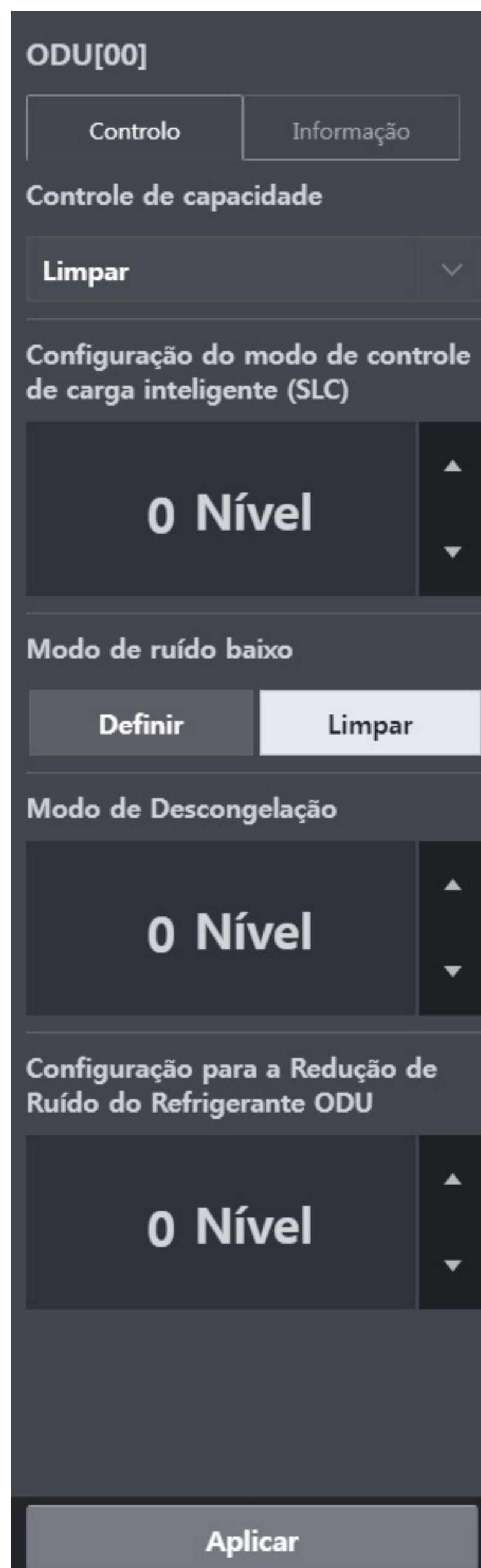
- O limite do controlo dos detalhes para cada dispositivo pode ser diferente do dispositivo real, por isso certifique-se de consultar o manual do dispositivo correspondente.
- A interface do refrigerador é uma função opcional, e precisa de comprar separadamente a opção para a interface do refrigerador.
- Dispositivos ACS I/O podem ter nomes diferentes da ferramenta de controlo, unidade, limite superior, limite inferior, etc. de acordo com a configuração.

Detalhes dos controlos para cada dispositivo

- Unidade de Exterior
- UI
Unidade interior (2Set)
- ERV
- ERV DX
- Passagem montada no chão
- Heating
- AHU
- Refrigerador de rolagem
- Refrigerador de enroscamento
- Refrigerador Turbo
- Mini refrigerador de rolagem
- Refrigerador de absorção
- DOKIT
- DO
- AO
- Purificador de ar



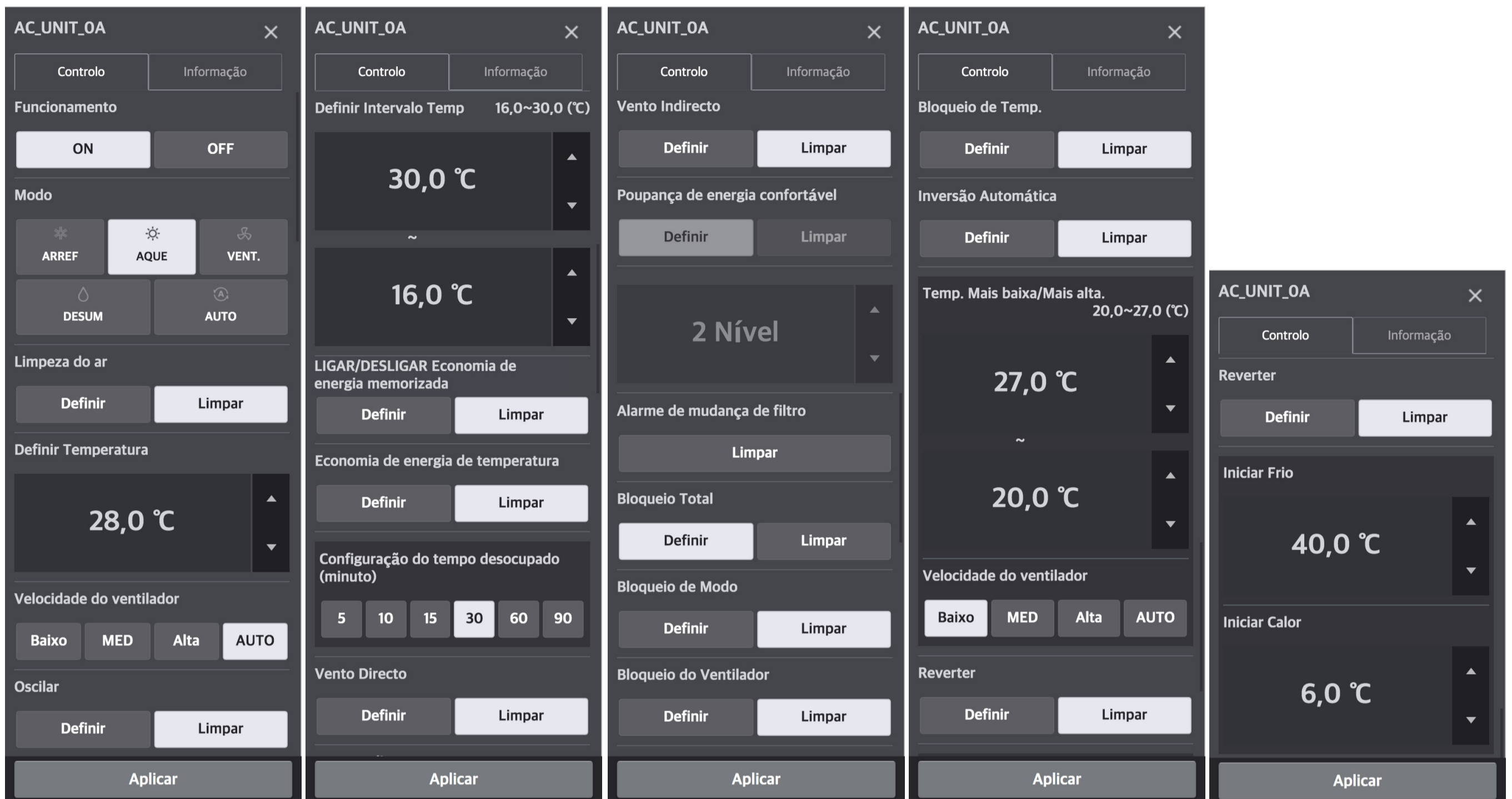
Unidade de Exterior



Categoria	Índice
Controle de capacidade	<ul style="list-style-type: none"> • Pressione o botão [▼] para configurar a taxa de operação de controlo da capacidade da unidade exterior (%)
Configuração do modo de controle de carga inteligente (SLC)	<ul style="list-style-type: none"> • Pressione o botão [▲]/[▼] para definir o estágio de controle de carga inteligente (0 Nível, 1 Nível, 2 Nível, 3 Nível, 4 Nível)
Modo de ruído baixo	<ul style="list-style-type: none"> • Botão[Definir/Limpar]: Definir/Limpar operação de baixo ruído da unidade externa
Modo de Descongelação	<ul style="list-style-type: none"> • Pressione o botão [▲]/[▼] para definir o estágio do modo de descongelar da unidade externa (0 Nível, 1 Nível, 2 Nível, 3 Nível)
Configuração para a Redução de Ruído do Refrigerante ODU	<ul style="list-style-type: none"> • Pressione o botão [▲]/[▼] para definir a fase de redução do ruído do refrigerante da unidade interior (0 Nível, 1 Nível, 2 Nível)

Nota

No controlador central, se a "operação de baixo ruído da unidade externa" for usada, no controle remoto da unidade interna instalada, você precisa configurar na [Configuração do instalador] > [Modo de ruído baixo] para 'ODU'.



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> Botão[ARREF]: Muda para o modo de arrefecimento Botão[AQUE]: Muda para o modo de aquecimento Botão[Ventilador]: Operação de purificação do ar. Quando é selecionado apenas fluxo de ar, a temperatura programada não é aplicada ao dispositivo Botão[DESUM]: Remove a humidade durante a estação de chuvas ou quando a humidade é alta. Quando é selecionada desumidificação, a temperatura programada não é aplicada ao dispositivo Botão[AUTO] : Muda para o modo automático
Limpeza do ar	<p>Controle de limpeza do ar apenas para a função de Limpeza do Ar da unidade interior</p> <ul style="list-style-type: none"> Operação única de limpeza do ar <ol style="list-style-type: none"> Em estado de paragem da unidade interior, no caso de [Definir] a limpeza do ar, a operação única de limpeza do ar com só o vento (vento automático) (Durante a operação única de limpeza do ar, o bloqueio de modo e o bloqueio de quantidade de vento não são verificados) Durante a operação única de limpeza do ar, em caso de [OFF] a operação ou [Limpar] a limpeza do ar, a limpeza do ar é cancelada para o modo anterior e na quantidade de vento anterior (Mas, no caso de modo ou controle de quantidade de vento juntos, o controle é feito com modo e quantidade de vento controlados) Operação adicional de limpeza do ar <ol style="list-style-type: none"> No estado de paragem da unidade interior, em caso de [ON] o estado da operação e [Definir] a limpeza do ar, no modo atual, operação adicional de limpeza do ar No estado de operação da unidade interior, no caso de [Definir] limpeza do ar, no modo atual, operação adicional limpar com ar Durante a operação adicional de limpeza do ar, no caso de [OFF] a operação, detenha a operação Durante a operação adicional de limpar com ar, em caso de [Limpar] a limpeza do ar, a limpeza do ar será cancelada
Definir Temperatura	Prima o botão [▲]/[▼] para regular a temperatura pretendida

Velocidade do ventilador	Configuração da força do fluxo de ar <ul style="list-style-type: none"> • Botão[Baixo]: Configura a velocidade de ventilação para lenta • Botão[MED]: Configura a velocidade de ventilação para normal • Botão[Alta]: Configura a velocidade de ventilação para rápido • Botão[AUTO] : Comutação automática [Baixo]-[MED]-[Alta]
Oscilar	<ul style="list-style-type: none"> • Botão[Definir/Limpar] : Inicia/pára a função de rotação automática do ventilador
Definir Intervalo Temp	Quando o utilizador ajusta a temperatura pretendida individualmente, é impossível ajustar a temperatura pretendida fora do limite de temperatura atribuída
LIGAR/DESLIGAR Economia de energia memorizada	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> • Botão [Ligar/Desligar]: Deteção de corpo humano LIGAR/DESLIGAR Definir/Limpar economia de energia
Economia de energia de temperatura	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> • Botão [Definir/Limpar]: Definir/Limpar a economia de energia da temperatura de deteção do corpo humano
Configuração do tempo desocupado (minuto)	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano Defina o tempo de decisão vazio para 5, 10, 15, 30, 60 ou 90 min.
Vento Directo	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> • Botão [Definir/Limpar]: Definir/Limpar vento direto em deteção de corpo humano
Vento Indirecto	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> • Botão [Definir/Limpar]: Definir/Limpar vento indireto em deteção de corpo humano
Poupança de energia confortável	<ul style="list-style-type: none"> • Botão [Ligar/Desligar]: Definir/Limpar a função de economia de energia • Você pode pressionar o botão [▲]/[▼] para definir o estágio Somente quando a unidade interna está em operação de resfriamento, é possível controlar a economia de energia
Alarme de substituição do filtro	<ul style="list-style-type: none"> • Botão [Limpar]: em caso de alarme de substituição do filtro, isso cancela o alarme de substituição do filtro
Bloqueio Total	<ul style="list-style-type: none"> • Botão[Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual
Bloqueio de Modo	<ul style="list-style-type: none"> • Botão[Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração do modo com o controlo remoto individual
Bloqueio de Vent	<ul style="list-style-type: none"> • Botão[Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração da Velocidade do ventilador com o controlo remoto individual
Bloqueio de Temp.	<ul style="list-style-type: none"> • Botão[Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração de temperatura com o controlo remoto individual
Inversão Automática	É uma função para mudar automaticamente para a operação de resfriamento se a temperatura interna exceder a temperatura limite superior, para a operação de aquecimento se for menor que a temperatura limite inferior e parar quando a temperatura estiver entre a temperatura limite superior e a temperatura limite inferior (somente na unidade exterior com refrigeração/aquecimento) <ul style="list-style-type: none"> • Botão[Definir/Limpar] : Definir/Limpar a Inversão Automática
Temp. Mais baixa/Mais alta.	Configuração da Inversão Automática da temperatura limite mais baixa e da temperatura limite mais alta
Velocidade do ventilador	Selecione o valor da Velocidade do ventilador para configurar na unidade de interior durante a operação de Inversão Automática <ul style="list-style-type: none"> • Botão[Baixo]: Configura a velocidade de ventilação para lenta • Botão[MED]: Configura a velocidade de ventilação para normal • Botão[Alta]: Configura a velocidade de ventilação para rápido • Botão[AUTO] : Comutação automática [Baixo]-[MED]-[Alta]
Reverter	Função para manter a temperatura do espaço onde o dispositivo está instalado em certos limites (Apenas suportado por unidade de exterior do tipo arrefecimento/aquecimento em simultâneo) <ul style="list-style-type: none"> • Botão[Definir/Limpar] : Definir/Limpar o Reverter
Iniciar Frio	Prima o botão [▲]/[▼] para definir a temperatura de arrefecimento de início da operação (21 °C a 40 °C)
Iniciar Calor	Prima o botão [▲]/[▼] para definir a temperatura de aquecimento de início da operação (1 °C a 20 °C)
Controlo de aquecimento de combinação	(Apenas suportado para determinadas unidades interiores e exteriores) Botão [Definir/Limpar] : ativa/desativa o controlo com base na temperatura exterior.
Modo	Só é ativado quando o controlo de aquecimento de combinação é definido. <ul style="list-style-type: none"> • Botão [AUTO] : define o modo de controlo para auto. • Botão [Manual] : define o modo de controlo para manual. Pode ativar/desativar o controlo da bomba de calor e do aquecedor. Não pode desativar o controlo da bomba de calor e do aquecedor
Temp. 1	Só é ativado no modo auto. Pode definir Temp. 1 para as temperaturas exteriores. De acordo com as temperaturas definidas, a bomba de calor e o aquecedor funcionam automaticamente. Prima [▲]/[▼] para definir Temp. 1 (-23°C-16°C).
Temp. 2	Só é ativado no modo auto. Pode definir Temp. 2 para as temperaturas exteriores. De acordo com as temperaturas definidas, a bomba de calor e o aquecedor funcionam automaticamente. Prima [▲]/[▼] para definir Temp. 2 (-23°C-51°C).
Bomba de calor	Só é ativado no modo manual. Botão [Definir/Limpar] : ativa/desativa o controlo da bomba de calor.
Aquecedor	Só é ativado no modo manual. Botão [Definir/Limpar] : tiva/desativa o controlo do aquecedor.
Smart Care	Ativado apenas quando o controlador AI está ligado. Botão [Definir/Apagar]: Ativar/Desativar Smart Care



Unidade interior (2Set)

Quando a função 2Set que suporta o controle remoto da unidade externa/interna é usada em [Definição] > [Instalando], se for seleccionado o modo auto 2Set do ACP como **indoor unit**, a janela de controle da unidade 2Set é gerada no lado direito como na tela a seguir.



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> Botão[ARREF]: Muda para o modo de arrefecimento Botão[AQUE]: Muda para o modo de aquecimento Botão[Ventilador]: Operação de purificação do ar. Quando é seleccionado apenas fluxo de ar, a temperatura programada não é aplicada ao dispositivo Botão[DESUM]: Remove a humidade durante a estação de chuvas ou quando a humidade é alta. Quando é seleccionada desumidificação, a temperatura programada não é aplicada ao dispositivo Botão[AUTO] : Muda para o modo automático
Limpeza do ar	<p>Controle de limpeza do ar apenas para a função de Limpeza do Ar da unidade interior</p> <ul style="list-style-type: none"> Operação única de limpeza do ar <ol style="list-style-type: none"> Em estado de paragem da unidade interior, no caso de [Definir] a limpeza do ar, a operação única de limpeza do ar com só o vento (vento automático) (Durante a operação única de limpeza do ar, o bloqueio de modo e o bloqueio de quantidade de vento não são verificados) Durante a operação única de limpeza do ar, em caso de [OFF] a operação ou [Limpar] a limpeza do ar, a limpeza do ar é cancelada para o modo anterior e na quantidade de vento anterior (Mas, no caso de modo ou controle de quantidade de vento juntos, o controle é feito com modo e quantidade de vento controlados) Operação adicional de limpeza do ar <ol style="list-style-type: none"> No estado de paragem da unidade interior, em caso de [ON] o estado da operação e [Definir] a limpeza do ar, no modo atual, operação adicional de limpeza do ar No estado de operação da unidade interior, no caso de [Definir] limpeza do ar, no modo atual, operação adicional limpar com ar Durante a operação adicional de limpeza do ar, no caso de [OFF] a operação, detenha a operação Durante a operação adicional de limpar com ar, em caso de [Limpar] a limpeza do ar, a limpeza do ar será cancelada
Ocupado	<p>Função para configurar o espaço com a unidade interna correspondente como ocupado ou vazio</p> <ul style="list-style-type: none"> Botão [Ocupado]: configuração ocupada Botão [Não ocupado] : Configuração vazia

Temperatura de configuração de frio	Pressione o botão [▲]/[▼] para definir a temperatura
Temperatura configurada de aquecimento	Pressione o botão [▲]/[▼] para definir a temperatura
Limites inferior/superior para temperatura de arrefecimento	Configuração da comutação automática da temperatura limite mais baixa e da temperatura limite mais alta
Limites inferior/superior para temperatura de aquecimento	Configuração da comutação automática da temperatura limite mais baixa e da temperatura limite mais alta
Velocidade do ventilador	Configuração da força do fluxo de ar <ul style="list-style-type: none"> Botão[Baixo]: Configura a velocidade de ventilação para lenta Botão[MED]: Configura a velocidade de ventilação para normal Botão[Alta]: Configura a velocidade de ventilação para rápido Botão[AUTO] : Comutação automática [Baixo]-[MED]-[Alta]
Oscilar	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar a função de rotação automática do ventilador
LIGAR/DESLIGAR Economia de energia memorizada	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> Botão [Ligar/Desligar]: Deteção de corpo humano LIGAR/DESLIGAR Definir/Limpar economia de energia
Economia de energia de temperatura	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> Botão [Definir/Limpar]: Definir/Limpar a economia de energia da temperatura de deteção do corpo humano
Configuração do tempo desocupado (minuto)	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano Defina o tempo de decisão vazio para 5, 10, 15, 30, 60 ou 90 min.
Vento Directo	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> Botão [Definir/Limpar]: Definir/Limpar vento direto em deteção de corpo humano
Vento Indirecto	Somente para deteção de corpo humano na unidade interna, controle de deteção de corpo humano <ul style="list-style-type: none"> Botão [Definir/Limpar]: Definir/Limpar vento indireto em deteção de corpo humano
Poupança de energia confortável	<ul style="list-style-type: none"> Botão [Ligar/Desligar]: Definir/Limpar a função de economia de energia Você pode pressionar o botão [▲]/[▼] para definir o estágio Somente quando a unidade interna está em operação de resfriamento, é possível controlar a economia de energia
Alarme de substituição do filtro	<ul style="list-style-type: none"> Botão [Limpar]: em caso de alarme de substituição do filtro, isso cancela o alarme de substituição do filtro
Bloqueio Total	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual
Bloqueio de Modo	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração do modo com o controlo remoto individual
Bloqueio de Vent	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração da Velocidade do ventilador com o controlo remoto individual
Bloqueio de Temp.	<ul style="list-style-type: none"> Botão[Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração de temperatura com o controlo remoto individual
Controlo de aquecimento de combinação	(Apenas suportado para determinadas unidades interiores e exteriores) Botão [Definir/Limpar] : ativa/desativa o controlo com base na temperatura exterior.
Modo	Só é ativado quando o controlo de aquecimento de combinação é definido. <ul style="list-style-type: none"> Botão [AUTO] : define o modo de controlo para auto. Botão [Manual] : define o modo de controlo para manual. Pode ativar/desativar o controlo da bomba de calor e do aquecedor. Não pode desativar o controlo da bomba de calor e do aquecedor
Temp. 1	Só é ativado no modo auto. Pode definir Temp. 1 para as temperaturas exteriores. De acordo com as temperaturas definidas, a bomba de calor e o aquecedor funcionam automaticamente. <ul style="list-style-type: none"> Prima [▲]/[▼] para definir Temp. 1 (-23°C-16°C).
Temp. 2	Só é ativado no modo auto. Pode definir Temp. 2 para as temperaturas exteriores. De acordo com as temperaturas definidas, a bomba de calor e o aquecedor funcionam automaticamente. <ul style="list-style-type: none"> Prima [▲]/[▼] para definir Temp. 2 (-23°C-51°C).
Bomba de calor	Só é ativado no modo manual. <ul style="list-style-type: none"> Botão [Definir/Limpar] : ativa/desativa o controlo da bomba de calor.
Aquecedor	Só é ativado no modo manual. <ul style="list-style-type: none"> Botão [Definir/Limpar] : ativa/desativa o controlo do aquecedor.
Smart Care	Ativado apenas quando o controlador AI está ligado. Botão [Definir/Apagar]: Ativar/Desativar Smart Care
Controlo de cooperação	Ativado apenas quando o controlador AI está ligado. Botão [Definir/Apagar]: Ativar/Desativar controlo de cooperação

Nota

Modo Auto 2set

- Somente com o modo auto 2set que suporta ar interno/externo, pode ser usada função correspondente . (Para saber se cada dispositivo suporta 2Set, consulte o manual do dispositivo correspondente.)
- Substituir é uma função que pode ser definida a partir do controlo remoto. Para o conteúdo relacionado à função de substituição, consulte o manual do controlo remoto.

- Em modo auto 2set, junto com o ícone Auto, o estado atual do modo de operação (refrigeração, aquecimento) do produto é exibido.

Ocupado

- Se o sensor de Ocupado está interligado à unidade interna, a configuração do controle central tem prioridade sobre o sensor de ocupado correspondente. Para o conteúdo relacionado ao sensor de ocupado, consulte a unidade interna ou o manual de Contato Seco.
- Quando a configuração ocupada é alterada, o ajuste automático da configuração de temperatura do resfriamento e a temperatura de aquecimento são a temperatura ajustada de arrefecimento do programação mais recente e a temperatura ajustada do aquecimento, e se não houver um programa previamente executado, ele está configurado para o valor padrão.

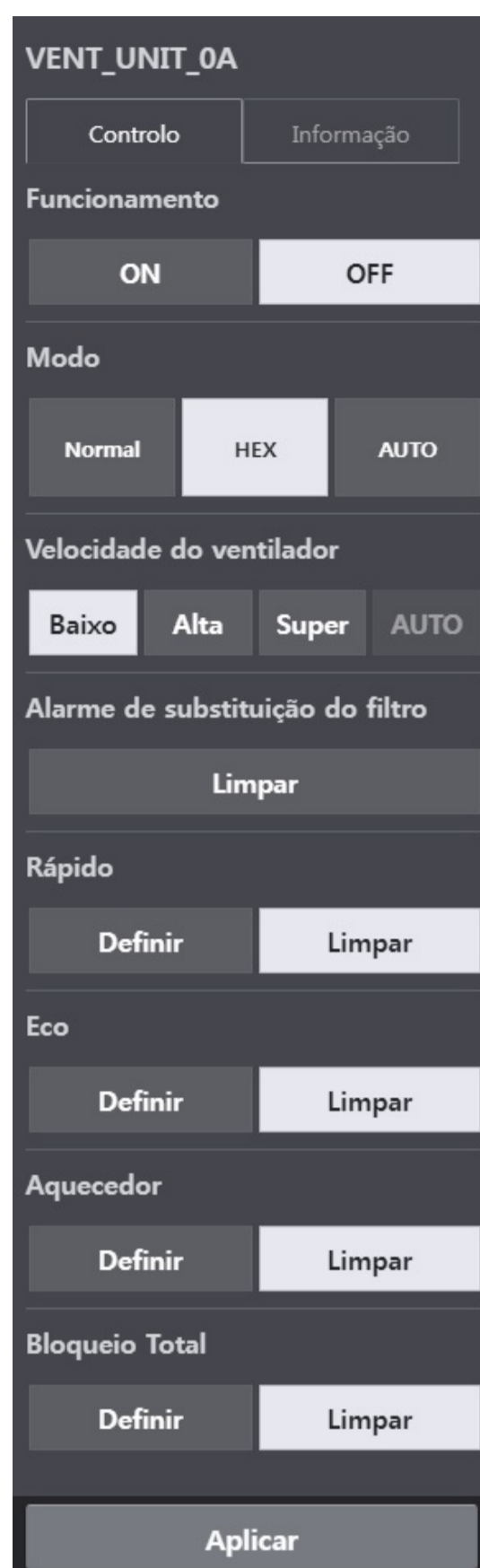
Exemplo>

09:00 - 12:00: ocupado / temperatura estabelecida de Resfriamento 27°C / temperatura estabelecida de aquecimento 18°C

12:00 - 13:00: ocupado/ temperatura estabelecida de Resfriamento 29°C / temperatura estabelecida de aquecimento 16°C

13:00 - 15:00: ocupado/ temperatura estabelecida de Resfriamento 26°C / temperatura estabelecida de aquecimento 19°C

Se estiver vazio sem programação logo das 15:00, a temperatura estabelecida de Resfriamento é de 29 ° C e a temperatura estabelecida de aquecimento é de 16 ° C e, se estiver ocupada, a temperatura estabelecida de Resfriamento se torna 26 ° C e a temperatura estabelecida de aquecimento torna-se 19 ° C.



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> • Botão[ON]: inicia o funcionamento do dispositivo • Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> • Botão[Normal]: Ventila o ar descarregado sem passar pelo permutador de calor elétrico • Botão[HEX]: Ventila tanto o fornecimento/descarga de ar através do permutador de calor elétrico • Botão[AUTO]: Muda para o modo quatro estações
Velocidade do ventilador	<p>Configuração da força do fluxo de ar</p> <ul style="list-style-type: none"> • Botão[Baixo]: Configura a velocidade de ventilação para lenta • Botão[Alta]: Configura a velocidade de ventilação para rápido • Botão[Super]: Configura a velocidade de ventilação para a velocidade Máx. • Botão[AUTO] : Comutação automática [Baixo]-[Alta]-[Super] <ul style="list-style-type: none"> - Configuração do utilizador é impossível - Quando a poupança de Eco/Rápido está configurado, a Velocidade do ventilador [AUTO] é selecionada - Quando a poupança de Eco/Rápido está cancelada, a Velocidade do ventilador [Alta] é selecionada - Durante a operação [AUTO], quando [Baixo]/[Alta]/[Super] é selecionado, a função poupança de Eco/Rápido em funcionamento é cancelada
Alarme de substituição do filtro	<ul style="list-style-type: none"> • Botão [Limpar]: em caso de alarme de substituição do filtro, isso cancela o alarme de substituição do filtro
Função adicional	<ul style="list-style-type: none"> • Botão[Definir/Limpar]Rápido : Definir/Limpar a função Rápido (Quando a função Rápido está selecionada, a função de poupança de energia é cancelada) • Botão[Definir/Limpar]Eco : Definir/Limpar a função poupança de energia (Quando a função poupança de energia está selecionada, a função Rápido é cancelada) • Botão[Definir/Limpar]Aquecedor : Definir/Limpar a função do aquecedor
NTFC	<ul style="list-style-type: none"> • Botão [Definir/Limpar]: Definir/Limpar a função de resfriamento do ar à meia-noite quando pode se refrigerar a unidade ao ar livre pela temperatura externa ser menor do que a temperatura base durante a noite
Bloqueio Total	<ul style="list-style-type: none"> • Botão[Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual



ERV DX



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> Botão[Normal]: Ventila o ar descarregado sem passar pelo permutador de calor elétrico Botão[HEX]: Ventila tanto o fornecimento/descarga de ar através do permutador de calor elétrico Botão[AUTO]: Muda para o modo quatro estações
Definir Temperatura	Prima o botão [▲]/[▼] para regular a temperatura pretendida
Velocidade do ventilador	<p>Configuração da força do fluxo de ar</p> <ul style="list-style-type: none"> Botão[Baixo]: Configura a velocidade de ventilação para lenta Botão[Alta]: Configura a velocidade de ventilação para rápido Botão[Super]: Configura a velocidade de ventilação para a velocidade Máx. Botão[AUTO] : Comutação automática [Baixo]-[Alta]-[Super] <ul style="list-style-type: none"> - Configuração do utilizador é impossível - Quando a poupança de Eco/Rápido está configurado, a Velocidade do ventilador [AUTO] é selecionada - Quando a poupança de Eco/Rápido está cancelada, a Velocidade do ventilador [Alta] é selecionada - Durante a operação [AUTO], quando [Baixo]/[Alta]/[Super] é selecionado, a função poupança de Eco/Rápido em funcionamento é cancelada
Co-Ar condicionado	<ul style="list-style-type: none"> Botão[ARREF]: Opera a ERV DX no modo de arrefecimento Botão[AUTO] : Opera a ERV DX no modo de auto Botão[AQUE]: Opera a ERV DX no modo de aquecimento Botão[OFF]: Pára o ar condicionado do tipo de ERV DX
Definir Intervalo Temp	Quando o utilizador ajusta a temperatura pretendida individualmente, é impossível ajustar a temperatura pretendida fora do limite de temperatura atribuída
Alarme de substituição do filtro	<ul style="list-style-type: none"> Botão [Limpar]: em caso de alarme de substituição do filtro, isso cancela o alarme de substituição do filtro
Função adicional	<ul style="list-style-type: none"> Botão[Definir/Limpar]Rápido : Definir/Limpar a função Rápido (Quando a função Rápido está selecionada, a função de poupança de energia é cancelada) Botão[Definir/Limpar]Eco : Definir/Limpar a função poupança de energia (Quando a função poupança de energia está selecionada, a função Rápido é cancelada) Botão[Definir/Limpar]Aquecedor : Definir/Limpar a função do aquecedor Botão[Definir] Humidificar: Definir a função de Humidificar (apenas para o modo de aquecimento do ar condicionado)
NTFC	<ul style="list-style-type: none"> Botão [Definir/Limpar]: Definir/Limpar a função de resfriamento do ar à meia-noite quando pode se refrigerar a unidade ao ar livre pela temperatura externa ser menor do que a temperatura base durante a noite

Bloqueio Total	<ul style="list-style-type: none">• Botão [Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual
Bloqueio de Modo	<ul style="list-style-type: none">• Botão [Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração do modo com o controlo remoto individual
Bloqueio de Vent	<ul style="list-style-type: none">• Botão [Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração da Velocidade do ventilador com o controlo remoto individual
Bloqueio de Temp.	<ul style="list-style-type: none">• Botão [Definir/Limpar] : Definir/Limpar o bloqueio para que o utilizador não possa controlar a configuração de temperatura com o controlo remoto individual
Bloqueio de NTFC	<ul style="list-style-type: none">• Botão [Definir/Limpar]: Definir/Limpar à meia-noite o programa de resfriamento do ar definido no controle remoto



Heating



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> • Botão[ON]: inicia o funcionamento do dispositivo • Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> • Botão[ARREF]: Muda para o modo de arrefecimento • Botão[AQUE]: Muda para o modo de aquecimento • Botão[AUTO] : Muda para o modo automático
Temperatura do ar/de entrada/saída de água	<p>Prima o botão [▲]/[▼] para Definir Temperatura do ar/de entrada/saída de água</p> <p>Isto é exibido com base na temperatura configurada seleccionada em [Definição] - [Instalando]</p> <ul style="list-style-type: none"> • Quando é seleccionado [Entrada/Saída de água], é exibido como temperatura de entrada/saída de água • Quando é seleccionado [Entrada], é exibido como temperatura de ar
Água quente	<ul style="list-style-type: none"> • Botão[ON]: Inicia a operação de água quente <ul style="list-style-type: none"> - Se a água quente for operada enquanto o dispositivo estiver em operação automática/arrefecimento, o modo correspondente e a água quente são exibidos no ícone da seção de exibição de conteúdos - Se a água quente for operada enquanto o dispositivo estiver parado, o ícone na seção de exibição de conteúdos é ativado, e é exibido água quente • Botão[OFF]: Pára a operação de água quente
Temperatura da água quente	Prima o botão [▲]/[▼] para Definir Temperatura de água quente pretendida
Bloqueio Total	<ul style="list-style-type: none"> • Botão[Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual



AHU



Categoria	Índice
ver detalhes	Pressione o botão [Detalhe] para verificar informações detalhadas (Mas, o celular está excluído)
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	<ul style="list-style-type: none"> Botão[ARREF]: Muda para o modo de arrefecimento Botão[AQUE]: Muda para o modo de aquecimento Botão[Ventilador]: Operação de purificação do ar. Se for selecionado apenas fluxo de ar, não pode Definir Temperatura pretendida Botão[DESUM]: Remove a humidade durante a estação de chuvas ou quando a humidade é alta. Se for selecionado apenas fluxo de ar, não pode Definir Temperatura pretendida Botão[Eco]: Operação para encontrar o ponto de funcionamento com a melhor eficiência do sistema de ventilação de forma a poupar no consumo. Descarrega fluentemente o ar interior contaminado porque tem maior Velocidade do ventilador descarregada do que o ar fornecido Botão [Reaquecimento] : mantém uma temperatura e humidade constantes enquanto a função de arrefecimento/aquecimento está ativa. (Disponível apenas quando a bobina de reaquecimento da AHU está em utilização.)
Definir Temperatura	Prima o botão [▲]/[▼] para Definir Temperatura
Padrão de controlo do ventilador	<ul style="list-style-type: none"> Botão[Velocidade do ventilador]: Controla a ventilação com base no estado de Velocidade do ventilador Botão [Temperatura]: Controla a ventilação com base no estado da temperatura Botão[Pressão]: Controla a ventilação com base no estado da pressão fixa
Velocidade do ventilador	Isto só é exibido quando o Padrão de controlo do ventilador é a Velocidade do ventilador <ul style="list-style-type: none"> Botão[Baixo]: Configura a velocidade de ventilação para lenta Botão[MED]: Configura a velocidade de ventilação para normal Botão[Alta]: Configura a velocidade de ventilação para rápido
Ventilação Automática	Isto só é exibido quando a ventilação automática ou Humidificar/ventilação automática são selecionadas em função Adicional durante o registo do dispositivo AHU <ul style="list-style-type: none"> Ventilação automática [Definir/Limpar] botão: Inicia/pára de ventilação automática
Definir CO ₂	É ativado apenas quando a função de ventilação automática está configurada Pressione o botão [▲]/[▼] para estabelecer a unidade de 100ppm entre a faixa de 100 ppm ~ 2 000 ppm
Humidificar	Isto só é exibido quando a Humidificar ou Humidificar/ventilação automática são selecionadas em função Adicional durante o registo do dispositivo AHU <ul style="list-style-type: none"> Botão[Definir/Limpar] Humidificar : Inicia/Pára a função Humidificar

Humidade	É ativado apenas quando a função de Humidificar está configurada Prima o botão [▲]/[▼] para configurar a humidade alvo
Abertura da válvula	<ul style="list-style-type: none"> • Pressione o botão [Válvula OA] : [▲]/[▼] para ajustar o valor de abertura do amortecedor de ar da unidade externa na unidade de 1 ° dentro de uma faixa de 0 ° ~ 90 ° • Pressione o botão [Válvula MIX] : [▲]/[▼] para ajustar o valor de abertura do amortecedor do misturador na unidade de 1 ° dentro de uma faixa de 0 ° ~ 90 ° • Pressione o botão [Válvula EA] : [▲]/[▼] para ajustar o valor de abertura do amortecedor de descarga de ar na unidade de 1 ° dentro de uma faixa de 0 ° ~ 90 ° <p>Quando configurar a Aplicar a fórmula de abertura da válvula [Definição] - [Configuração do sistema] como Definir, isto funciona como Válvula OA = Válvula EA, Válvula OA = Válvula MIX = 90</p>
Bloqueio Total	<ul style="list-style-type: none"> • Botão [Definir/Limpar] : Definir/Limpar o Bloqueio Total para que o utilizador não possa controlar qualquer função com o controlo remoto individual

Veja detalhadamente a AHU

Na tela de controle da AHU, você pode pressionar o botão [Detalhe] para ter informações detalhadas.

➔ SPLIT DOAS



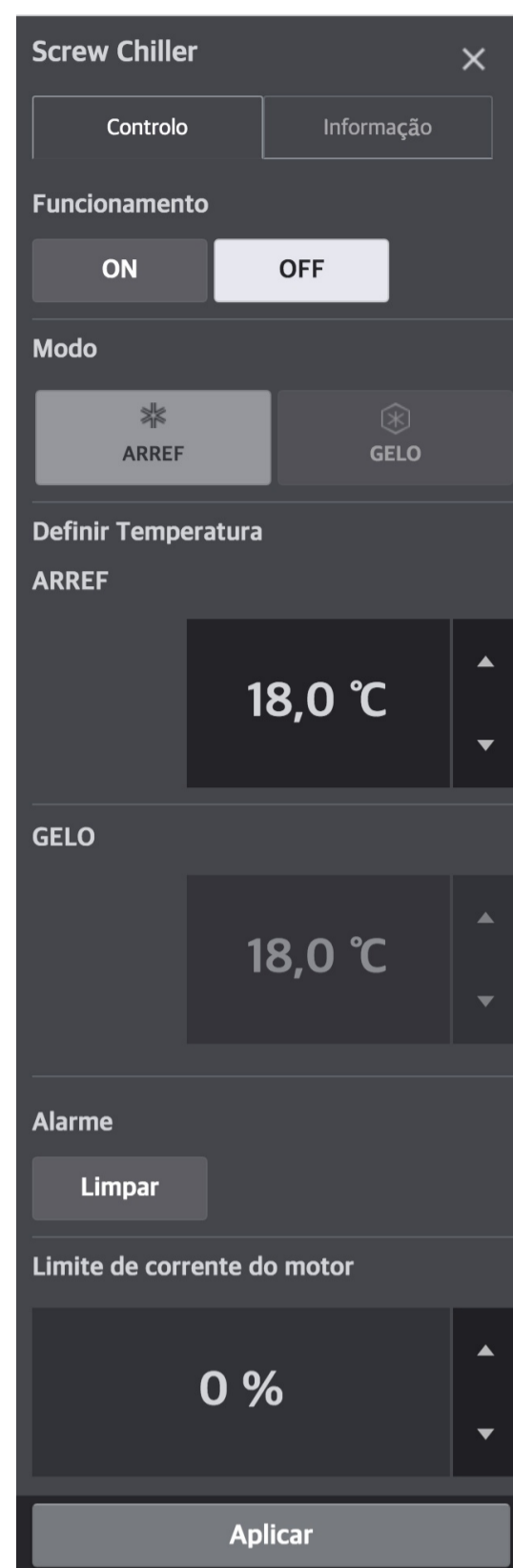
Refrigerador de rolagem



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> • Botão[ON]: inicia o funcionamento do dispositivo • Botão[OFF]: Pára o funcionamento do dispositivo
Modo	(Só aparece quando o dispositivo suporta o modo correspondente) <ul style="list-style-type: none"> • Botão[ARREF]: Muda para o modo de arrefecimento • Botão[AQUE]: Muda para o modo de aquecimento
Definir Temperatura	Configura a temperatura de saída da carga de água para arrefecimento/aquecimento Prima o botão [▲]/[▼] para Definir Temperatura do modo de arrefecimento e do modo de aquecimento
Alarme	Botão[Limpar] : Cancela o Alarm durante o alarme de Refrigerador
Controlo da Demanda	Prima o botão [▲]/[▼] para configurar o rácio do limite da demanda



Refrigerador de enrocamento



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	Controlo do Modo é impossível. Controlo da temperatura configurada dos modos de funcionamento monitorizados
Definir Temperatura	Configura a temperatura de saída da carga de água para arrefecimento/fazer gelo de interior Prima o botão [▲]/[▼] para Definir Temperatura do modo de arrefecimento e do modo de fazer gelo
Alarme	Botão[Limpar] : Cancela o Alarm durante o alarme de Refrigerador
Limite de corrente do motor	Prima o botão [▲]/[▼] para configurar o rácio do limite de corrente do motor



Refrigerador Turbo



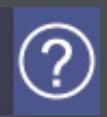
Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> • Botão[ON]: inicia o funcionamento do dispositivo • Botão[OFF]: Pára o funcionamento do dispositivo
Modo	Controlo do Modo é impossível. Controlo da temperatura configurada dos modos de funcionamento monitorizados
Definir Temperatura	Configura a temperatura de saída da carga de água para arrefecimento/aquecimento/fazer gelo de interior Prima o botão [▲]/[▼] para Definir Temperatura do modo de arrefecimento e do modo de aquecimento/fazer gelo
Alarme	Botão[Limpar] : Cancela o Alarm durante o alarme de Refrigerador
Limite de corrente do motor	Prima o botão [▲]/[▼] para configurar o rácio do limite de corrente do motor



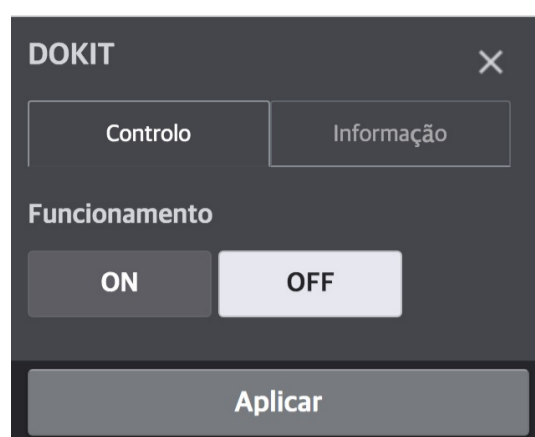
Refrigerador de absorção



Categoria	Índice
Funcionamento	<ul style="list-style-type: none"> Botão[ON]: inicia o funcionamento do dispositivo Botão[OFF]: Pára o funcionamento do dispositivo
Modo	Controlo do Modo é impossível. Controlo da temperatura configurada dos modos de funcionamento monitorizados
Definir Temperatura	Configura a temperatura de saída da carga de água para arrefecimento/aquecimento Prima o botão [▲]/[▼] para Definir Temperatura do modo de arrefecimento e do modo de aquecimento
Alarme	Botão[Limpar] : Cancela o Alarm durante o alarme de Refrigerador
Limite mais alto da válvula de controlo	Prima o botão [▲]/[▼] para configurar o rácio do limite mais alto da válvula de controlo



DOKIT



Categoria	Índice
Funcionamento	<ul style="list-style-type: none">• Botão[ON]: inicia o funcionamento do dispositivo• Botão[OFF]: Pára o funcionamento do dispositivo



DO



Categoria	Índice
Funcionamento	<ul style="list-style-type: none">• Botão[CURTO]: Saída de sinal curto• Botão[ABRIR]: Saída de sinal aberto



AO

AO[F7/00] ×

Controlo Informação

Temperatura (°C)

0,00

Min 0 ~ Max 100

Aplicar

Categoria	Índice
Temperatura	Definir valor de temperatura

Nota

O símbolo da unidade pode mudar de acordo com o uso estabelecido durante o registo do dispositivo.



Informação do Dispositivo

Quando clicar no separador de informações do dispositivo na tela de controlo do dispositivo, pode verificar as informações do dispositivo.

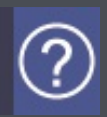
Pode verificar as informações básicas do dispositivo, informações de funcionamento, informações de programação e informações de erro.

The image displays five sequential screenshots of the 'Controlo do dispositivo' interface for 'AC_UNIT_00', each showing a different information tab selected.

- Screenshot 1 (Basic Information):** Shows fields for Name (AC_UNIT_00), Address (00), Group (New group), EU (ODU[00]), Model (AC), and Capacity (3).
- Screenshot 2 (Operation):** Shows Operation status (ON), Mode (AUTO), Current Temperature (23,0 °C), Set Temperature (23,0 °C), and Fan Speed (Alta).
- Screenshot 3 (Programming):** Shows a schedule table:

Tempo	Descrição
10:00	ON Schedule
19:00	OFF Schedule
- Screenshot 4 (Error):** Shows 'Erro: Nenhum erro' and 'Código de erro: 0'.
- Screenshot 5 (History):** Shows a table of error events:

Tempo	Índice
31-07-2018 PM 04:20	Controlo Modo: AUTO ACS
31-07-2018 PM 04:20	Controlo Configurar a faixa de temperatura (limite inferior): 20°C by admin
31-07-2018 PM 04:20	Controlo Configurar a faixa de temperatura (limite superior): 28°C by admin
31-07-2018	Controlo Modo: AUTO

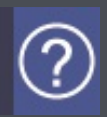


Controlo da programação

A programação é uma função na qual o dispositivo executa uma operação reservada em determinado momento, designando a operação do dispositivo antecipadamente. Quando esta função é usada, a operação do dispositivo pode ser gerenciada na unidade de tempo de forma eficiente e o efeito de poupança da energia é excelente.

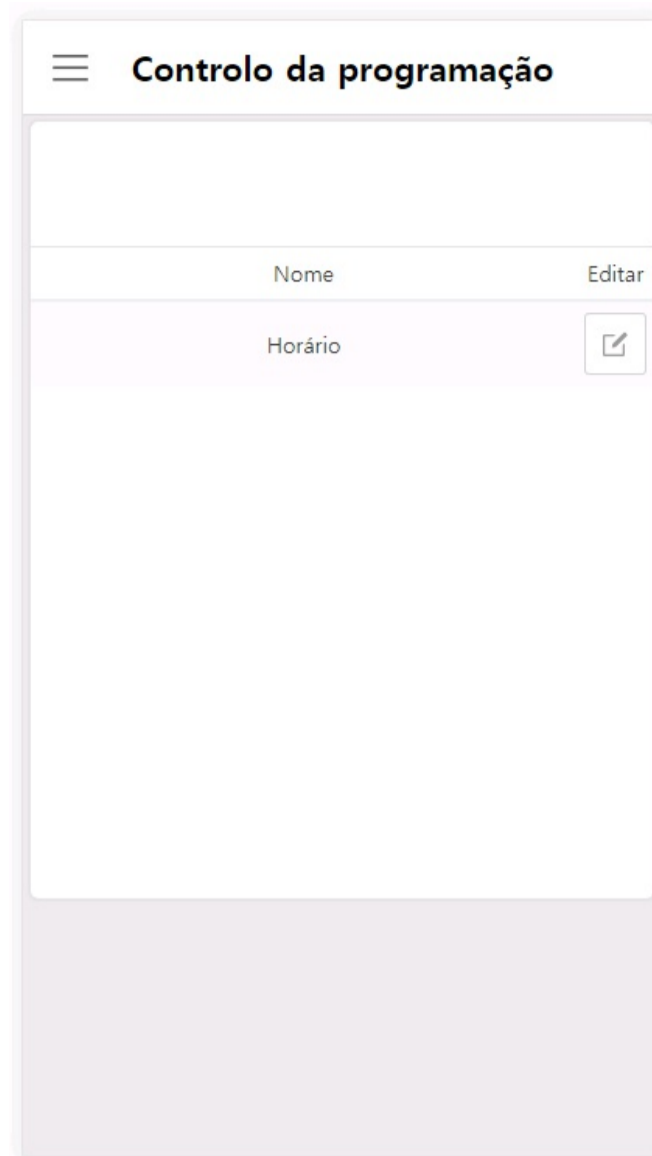
[Schedule]

- Verificação da programação

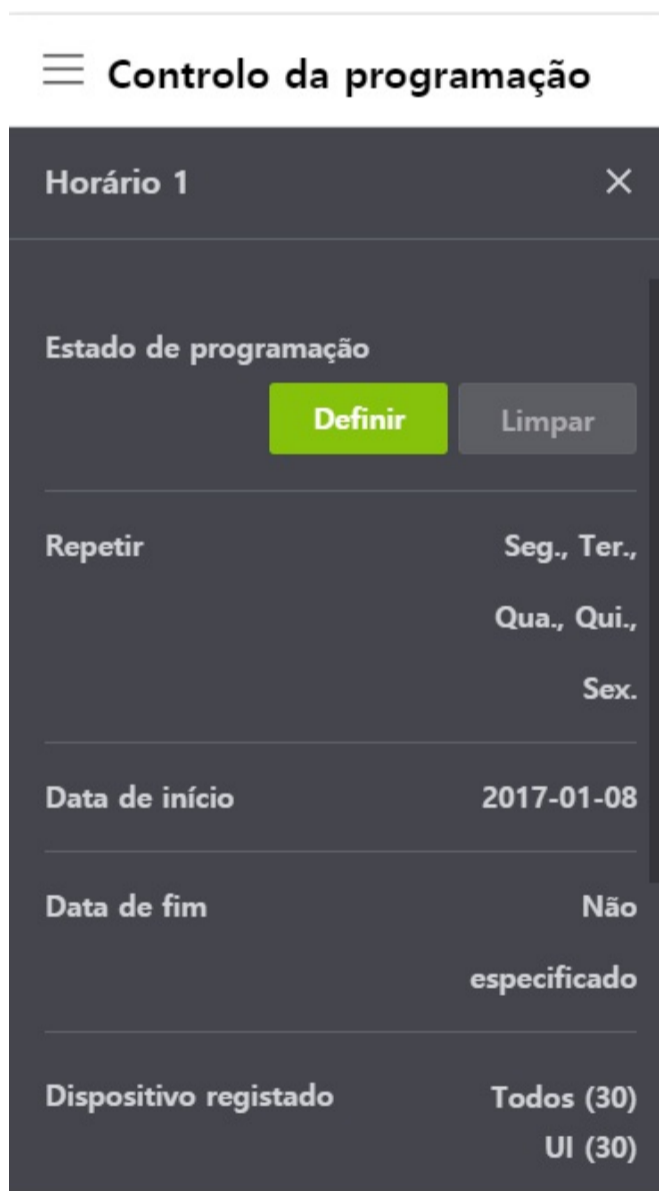


Verificação da programação

Pode visualizar todas as programações estabelecidas.



Quando clicar em Editar ícone, pode verificar os conteúdos em detalhe da programação.





BACnet/Modbus Protocol

Guia sobre a autenticação BTL

Necessita de definir BACnet para Tipo C para os dispositivos funcionarem utilizando as funções autenticadas por BTL.

BACnet Tipo A/B existe para manter compatibilidade com os produtos existentes. Se definir BACnet para Tipo A/B, os dispositivos podem utilizar as funções não autenticadas por BTL, fazendo com que funcionem de forma diferente do normal.

Para as definições de tipo de BACnet, aceda ao menu [Utilização (PC)] > [Configuração do BACnet/Modbus].

Método de funcionamento de acordo com o tipo de BACnet

- Tipo A: cria vários dispositivos e os objetos são incluídos no dispositivo de cada equipamento. Vários dispositivos respondem utilizando o mesmo endereço MAC para os endereços físicos.

- Tipo B: cria vários dispositivos e os objetos são incluídos no dispositivo de cada equipamento. Os dispositivos respondem com endereços físicos únicos.

- **Tipo C: cria apenas um dispositivo, que inclui todos os objetos.**

※ **Cuidado: se alterar o tipo, o número do dispositivo pode ser alterado, tornando-o necessário para efetuar engenharia adicional com o BMS.**

AC Smart 5 can be linked with the BMS (Building Management System) that supports the BACnet IP/Modbus TCP protocol. The functions that can be controlled or monitored by the BMS vary depending on the protocol.

[BACnet]

→ Commission

→ Object List

→ BIBBs

→ PICS

[Modbus]

→ Commission

→ Function code

→ Register List



BACnet Commission

Commissioning is the process of verifying the subsystems to achieve the owner's project requirements as intended by the building owner and as designed by the building architects and engineers.

After AC Smart 5 installation, you can check the operation status of the device by using the web function before connection with the BMS system.

Creating of the Points. This is NOT to be done by LG since it is directly related to the BMS side. The BMS engineer is to carry out the engineering of the Point, however LG is responsible for providing the method of how the Points are calculated.

Precautions

- To use BACnet feature, you must select **[Settings] > [BACnet/Modbus Setting] > [BACnet enable]** as **Set**.
- In case of installing 2 or more AC Smart 5, you must change **[Settings] > [BACnet/Modbus Setting] > [Device ID Setting]** so that the Device IDs are not duplicate among AC Smart 5. It is recommended that you keep a difference of 10 or more for different Device IDs.
- If Device Discover doesn't work well, change **[Settings] > [BACnet/Modbus Setting] > [BACnet Type Setting]**.
- It is recommended that you request ReadProperty/WriteProperty at an interval of 200 ms or more for each property.
- It is recommended that you request ReadPropertyMultiple/WritePropertyMultiple at an interval of 500 ms or more for each property.
- SubscribeCOV can be registered up to 1024.
- If AC Smart 5 and BMS are located on different networks, BBMD (BACnet/IP Broadcast Management Device) is needed.
- As AC Smart 5 does not support the BBMD function, a separate BBMD is required. You can register AC Smart 5 as a foreign device in BBMD using **[Settings] > [BACnet/Modbus Setting] > [Register as Foreign Device]** function.



BACnet Object List

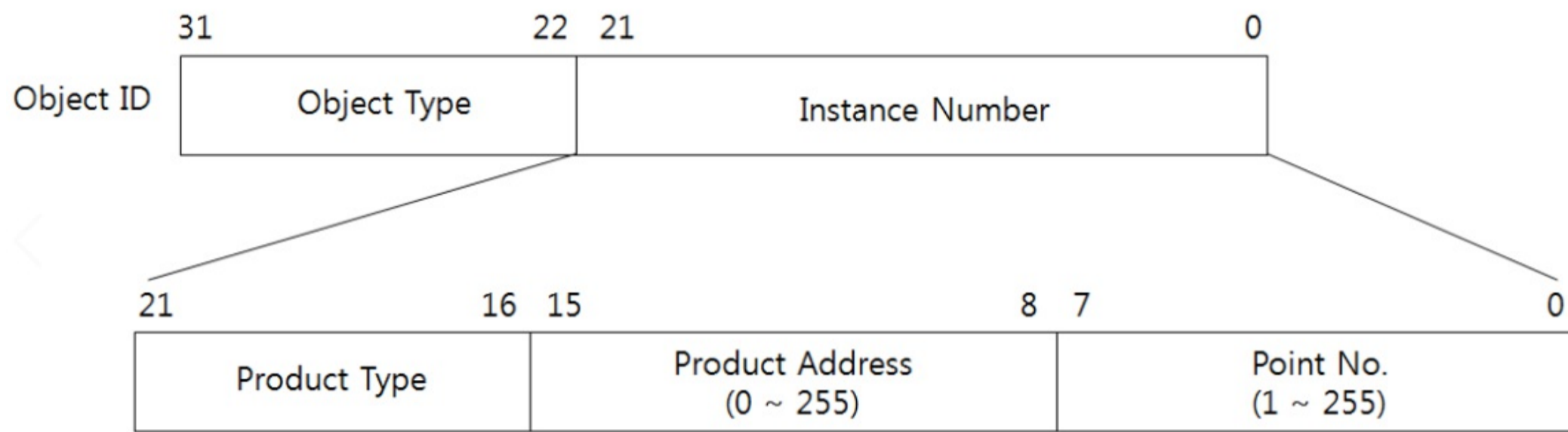
It describes the BACnet object list provided by AC Smart 5.

- Instance Number
- Indoor Unit Object List
- ERV Object List
- AHU Object List
- Outdoor Unit Object List
- Heating Object List
- General Object List
- EXP.I/O object list
- Scroll Chiller(Air Cooling) object list



Definition of Instance Number

The instance number of each device is assigned as follows



Product Type (Indoor: 0, Vent: 1, AHU : 2, ODU : 3, AWHP : 4, General : 5, EXP IO: 8, ISC2: 9)

Example of Instance Number

Description	Product Type	Product Address	Point	Instance Number
IDU Address 0x00, On/Off (Setting)	0	0	1	1
IDU Address 0x00, Operation Mode (Setting)	0	0	7	7
IDU Address 0x1B, On/Off (Setting)	0	27	1	6913
IDU Address 0x1B, Operation Mode (Setting)	0	27	7	6919
ERV Address 0x00, On/Off (Setting)	1	0	1	65537
ERV Address 0x00, Operation Mode (Setting)	1	0	7	65543
ERV Address 0x1B, On/Off (Setting)	1	27	1	72449
ERV Address 0x1B, Operation Mode (Setting)	1	27	7	72455
AHU Address 0x00, On/Off (Setting)	2	0	1	131073
AHU Address 0x00, Operation Mode (Setting)	2	0	7	131079
AHU Address 0x0F, On/Off (Setting)	2	15	1	134913
AHU Address 0x0F, Operation Mode (Setting)	2	15	7	134919
ODU Address 0x00, Compressor Operation	3	0	1	196609
ODU Address 0x00, Operation Mode	3	0	14	196622
ODU Address 0x0F, Compressor Operation	3	15	1	200449
ODU Address 0x0F, Operation Mode	3	15	14	200462
Heating Address 0x00, On/Off (Setting)	4	0	1	262145
Heating Address 0x00, Operation Mode (Setting)	4	0	5	262149
Heating Address 0x0F, On/Off (Setting)	4	15	1	265985
Heating Address 0x0F, Operation Mode (Setting)	4	15	5	265989
Scroll-Air-Inv-Gen2 Address 0x00, On/Off (Setting)	9	0	1	589825
Scroll-Air-Inv-Gen2 Address 0x00, Operation Mode (Setting)	9	0	39	589863
Scroll-Air-Inv-Gen2 Address 0x0F, On/Off (Setting)	9	15	1	595201
Scroll-Air-Inv-Gen2 Address 0x0F, Operation Mode (Setting)	9	15	39	595239
General Object, All Unit Run/Stop (Setting)	5	0	1	327681
General Object, All Unit Set Room Temperature (Setting)	5	0	2	327682



Indoor Unit Object List

One Indoor unit has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	StartStopCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	On/Off (Status)	StartStopStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock (Setting)	LockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Lock (Status)	LockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Filter Sign	FilterSign_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
6	Filter Sign reset	FilterSignReset_XXX	BV	-	-	Reset (1)	-	-	-	-	-
7	Operation Mode (Setting)	AirConModeCommand_XXX	MO	-	-	Cool (1)	Dry (2)	Fan (3)	Auto (4)	Heat (5)	-
8	Operation Mode (Status)	AirConModeStatus_XXX	MI	-	-	Cool (1)	Dry (2)	Fan (3)	Auto (4)	Heat (5)	-
9	Swing (Setting)	SwingCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
10	Swing (Status)	SwingStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
11	Fan Speed (Setting)	FanSpeedCommand_XXX	MO	-	-	Low (1)	Middle (2)	High (3)	Auto (4)	-	-
12	Fan Speed (Status)	FanSpeedStatus_XXX	MI	-	-	Low (1)	Middle (2)	High (3)	Auto (4)	-	-
13	Set Room Temperature	SetRoomTemp_XXX	AV	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
14	Set Temperature (Status)	RoomTemp_XXX	AI	°C(°F)							
15	Alarm	Alarm_XXX	BI	-	Normal (0)	Abnormal (1)	-	-	-	-	-
16	Error Code	MalfunctionCode_XXX	AI	-	Please refer to LG error code list.						
17	-	-	-	-							
18	-	-	-	-							
19	Room Temperature	SetTempStatus_XXX	AI	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
20	Accumulated Power Distribution (Status)	Accumulated power(100 Watt)_XXX	AI	100 Watt	Wattage values						
21	-	-	-	-							
22	-	-	-	-							
23	-	-	-	-							
24	-	-	-	-							
25	-	-	-	-							
26	-	-	-	-							
27	Set Upper Temperature (Setting)	TempRangeUpperLimitCommand_XXX	AV	°C(°F)	18 °C ~ 30 °C (64 °F ~ 86 °F)						
28	Set Upper Temperature (Status)	TempRangeLowerLimitCommand_XXX	AV	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
29	Set Lower Temperature (Setting)	TempRangeUpperLimitStatus_XXX	AI	°C(°F)	18 °C ~ 30 °C (64 °F ~ 86 °F)						
30	Set Lower Temperature (Status)	TempRangeLowerLimitStatus_XXX	AI	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
31	Mode Lock (Setting)	ModeLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
32	Mode Lock (Status)	ModeLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
33	Fan Lock (Setting)	FanLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
34	Fan Lock (Status)	FanLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
35	Occupancy (Setting)	OccupancyCommand_XXX	BO	-	Unoccupied (0)	Occupied (1)	-	-	-	-	-
36	Occupancy (Status)	OccupancyStatus_XXX	BI	-	Unoccupied (0)	Occupied (1)	-	-	-	-	-

37	2Set Cooling Set Temperature (Setting)	2SetCoolingTempCommand_XXX	AV	°C(°F)	10 °C ~ 37.5 °C (50 °F ~ 99 °F)						
38	2Set Cooling Set Temperature (Status)	2SetCoolingTempStatus_XXX	AI	°C(°F)	10 °C ~ 37.5 °C (50 °F ~ 99 °F)						
39	2Set Heating Set Temperature (Setting)	2SetHeatingTempCommand_XXX	AV	°C(°F)	4 °C ~ 32 °C (40 °F ~ 90 °F)						
40	2Set Heating Set Temperature (Status)	2SetHeatingTempStatus_XXX	AI	°C(°F)	4 °C ~ 32 °C (40 °F ~ 90 °F)						
41	2Set Cooling Upper Temperature (Setting)	2SetCoolingUpperLimitCommand_XXX	AV	°C(°F)	10 °C ~ 37.5 °C (50 °F ~ 99 °F)						
42	2Set Cooling Upper Temperature (Status)	2SetCoolingUpperLimitStatus_XXX	AI	°C(°F)	10 °C ~ 37.5 °C (50 °F ~ 99 °F)						
43	2Set Cooling Lower Temperature (Setting)	2SetHeatingUpperLimitCommand_XXX	AV	°C(°F)	4 °C ~ 32 °C (40 °F ~ 90 °F)						
44	2Set Cooling Lower Temperature (Status)	2SetHeatingUpperLimitStatus_XXX	AI	°C(°F)	4 °C ~ 32 °C (40 °F ~ 90 °F)						
45	2Set Heating Upper Temperature (Setting)	2SetCoolingLowerLimitCommand_XXX	AV	°C(°F)	10 °C ~ 37.5 °C (50 °F ~ 99 °F)						
46	2Set Heating Upper Temperature (Status)	2SetCoolingLowerLimitStatus_XXX	AI	°C(°F)	10 °C ~ 37.5 °C (50 °F ~ 99 °F)						
47	2Set Heating Lower Temperature (Setting)	2SetHeatingLowerLimitCommand_XXX	AV	°C(°F)	4 °C ~ 32 °C (40 °F ~ 90 °F)						
48	2Set Heating Lower Temperature (Status)	2SetHeatingLowerLimitStatus_XXX	AI	°C(°F)	4 °C ~ 32 °C (40 °F ~ 90 °F)						
49	Thermo Status (Status)	ThermoStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
50	Accumulated Gas Distribution (Status)	AccumulatedGas(100 Watt)_XXX	AI	100 Liter	Gas values						
51	Dust Sensor Available (Status)	DustSensorAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-
52	Air Cleaning Operation (Setting)	AirCleaningOperCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
53	Air Cleaning Operation (Status)	AirCleaningOperStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
54	PM10 (Status)	FineDustStatus_XXX	AI	µg/m ³							
55	PM2.5 (Status)	UltraFineDustStatus_XXX	AI	µg/m ³							
56	PM1.0 (Status)	SuperUltraFineDustStatus_XXX	AI	µg/m ³							
57	Humidity (Status)	HumidityStatus_XXX	AI	%							
58	Comfort Cooling Available (Status)	ComfortCoolingAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-
59	Comfort Cooling Operation (Setting)	ComfortCoolingOperCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
60	Comfort Cooling Operation (Status)	ComfortCoolingOperStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
61	Comfort Cooling Step (Setting)	ComfortCoolingStepCommand_XXX	AV	-	1 step ~ 3 step						
62	Comfort Cooling Step (Status)	ComfortCoolingStepStatus_XXX	AI	-	1 step ~ 3 step						
63	Human Detection Available (Status)	HumanDetectionAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-
64	Human Detection Operation (Setting)	HumanDetectionOperCommand_XXX	MO	-	-	Stop (1)	OnOffSaving (2)	TempSaving (3)	-	-	-
65	Human Detection Operation (Status)	HumanDetectionOperStatus_XXX	MI	-	-	Stop (1)	OnOffSaving (2)	TempSaving (3)	-	-	-
66	Human Detection Wind (Setting)	HumanDetectionWindCommand_XXX	MO	-	-	Stop (1)	Direct (2)	Indirect (3)	-	-	-
67	Human Detection Wind (Status)	HumanDetectionWindStatus_XXX	MI	-	-	Stop (1)	Direct (2)	Indirect (3)	-	-	-
68	Human Detection Time (Setting)	HumanDetectionTimeCommand_XXX	MO	-	-	5 min (1)	10 min (2)	15 min (3)	30 min (4)	60 min (5)	90 min (6)
69	Human Detection Time (Status)	HumanDetectionTimeStatus_XXX	MI	-	-	5 min (1)	10 min (2)	15 min (3)	30 min (4)	60 min (5)	90 min (6)
70	Hotel Check In (Setting)	HotelCheckinCommand_XXX	BO	-	Check_out (0)	Check_in (1)	-	-	-	-	-
71	Hotel Mode (Setting)	HotelModeCommand_XXX	MO	-	-	Comfort (1)	Pre_comfort (2)	Economy (3)	-	-	-



ERV Object List

One ERV has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	StartStopCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	On/Off (Status)	StartStopStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock (Setting)	LockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Lock (Status)	LockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Filter Sign	FilterSign_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
6	Filter Sign reset	FilterSignReset_XXX	BV	-	-	Reset (1)	-	-	-	-	-
7	Operation Mode (Setting)	AirConModeCommand_XXX	MO	-	-	Heat Exchange (1)	Auto (2)	Normal (3)	-	-	-
8	Operation Mode (Status)	AirConModeStatus_XXX	MI	-	-	Heat Exchange (1)	Auto (2)	Normal (3)	-	-	-
9	-	-	-	-	-						
10	-	-	-	-	-						
11	Fan Speed (Setting)	FanSpeedCommand_XXX	MO	-	-	Low (1)	High (2)	Super High (3)	Auto (4)	-	-
12	Fan Speed (Status)	FanSpeedStatus_XXX	MI	-	-	Low (1)	High (2)	Super High (3)	Auto (4)	-	-
13	Set Room Temperature	SetRoomTemp_XXX	AV	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
14	Set Temperature (Status)	RoomTemp_XXX	AI	°C(°F)	-						
15	Alarm	Alarm_XXX	BI	-	Normal (0)	Abnormal (1)	-	-	-	-	-
16	Error Code	MalfunctionCode_XXX	AI	-	Please refer to LG error code list.						
17	User Mode (Setting)	UserModeCommand_XXX	MO	-	-	Quick fresh (1)	Energy saving (2)	Clear (3)	-	-	-
18	User Mode (Status)	UserModeStatus_XXX	MI	-	-	Quick fresh (1)	Energy saving (2)	Clear (3)	-	-	-
19	Room Temperature	SetTempStatus_XXX	AI	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
20	Accumulated Power Distribution (Status)	Accumulated power(100 Watt)_XXX	AI	100 Watt	Wattage values						
21	AC Operation Mode (Setting)	UserModeAcCommand_XXX	MO	-	-	Cool (1)	Auto (2)	Heat (3)	-	-	-
22	AC Operation Mode (Status)	UserModeStatus_XXX	MI	-	-	Cool (1)	Auto (2)	Heat (3)	-	-	-
23	AC ON/OFF (Setting)	UserModeAcCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
24	AC ON/OFF (Status)	UserModeAcStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
25	AC Humidify (Setting)	HumidifierOperCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
26	AC Humidify (Status)	HumidifierOperStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
27	Partial Lock Available (Status)	PatialLockAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-
28	Set Upper Temperature (Setting)	TempRangeUpperLimitCommand_XXX	AV	°C(°F)	18 °C ~ 30 °C (64 °F ~ 86 °F)						
29	Set Upper Temperature (Status)	TempRangeLowerLimitCommand_XXX	AV	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
30	Set Lower Temperature (Setting)	TempRangeUpperLimitStatus_XXX	AI	°C(°F)	18 °C ~ 30 °C (64 °F ~ 86 °F)						
31	Set Lower Temperature (Status)	TempRangeLowerLimitStatus_XXX	AI	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
32	Mode Lock (Setting)	ModeLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
33	Mode Lock (Status)	ModeLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
34	Fan Lock (Setting)	FanLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
35	Fan Lock (Status)	FanLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-

36	NTFC Available (Status)	NtfcAvail_XXX	BI	-	Disabled (0)	Enabled (1)	-	-	-	-	-
37	NTFC Operation (Setting)	NtfcOperCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
38	NTFC Operation (Status)	NtfcOperStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
39	NTFC Lock (Setting)	NtfcLockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
40	NTFC Lock (Status)	NtfcLockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-



AHU Object List

One AHU has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	StartStopCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	On/Off (Status)	StartStopStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock (Setting)	LockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Lock (Status)	LockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Filter Sign	FilterSign_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
6	-	-	-	-	-						
7	Operation Mode (Setting)	AirConModeCommand_XXX	MO	-	-	Cool (1)	Dry (2)	Fan (3)	Heat (4)	Energy saving (5)	-
8	Operation Mode (Status)	AirConModeStatus_XXX	MI	-	-	Cool (1)	Dry (2)	Fan (3)	Heat (4)	Energy saving (5)	-
9	-	-	-	-	-						
10	-	-	-	-	-						
11	Fan Speed (Setting)	FanSpeedCommand_XXX	MO	-	-	High (1)	Middle (2)	Low (3)	-	-	-
12	Fan Speed (Status)	FanSpeedStatus_XXX	MI	-	-	High (1)	Middle (2)	Low (3)	-	-	-
13	Set Room Temperature	SetRoomTemp_XXX	AV	°C(°F)	18 °C ~ 30 °C (64 °F ~ 86 °F)						
14	Set Temperature (Status)	RoomTemp_XXX	AI	°C(°F)							
15	Alarm	Alarm_XXX	BI	-	Normal (0)	Abnormal (1)	-	-	-	-	-
16	Error Code	MalfunctionCode_XXX	AI	-	Please refer to LG error code list.						
17	-	-	-	-	-						
18	-	-	-	-	-						
19	Room Temperature	SetTempStatus_XXX	AI	°C(°F)	18 °C ~ 30 °C (64 °F ~ 86 °F)						
20	FireAlarm (Setting)	FireAlarmCommand_XXX	BO	-	Off (0)	On (1)	-	-	-	-	-
21	FireAlarm (Status)	FireAlarmStatus_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
22	Humidity (Setting)	SetHumidityCommand_XXX	AV	%	40 % ~ 60 %						
23	Humidity (Status)	SetHumidityStatus_XXX	AI	%	40 % ~ 60 %						
24	Humidify ON/OFF (Setting)	HumidifyCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
25	Humidify ON/OFF (Status)	HumidifyStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
26	Auto Ventilation ON/OFF (Setting)	AutoVentilCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
27	Auto Ventilation ON/OFF (Status)	AutoVentilStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
28	Supply Unit Temperature (Status)	SupplyTempStatus_XXX	AI	°C(°F)							
29	Outdoor Unit Temperature (Status)	OutdoorTempStatus_XXX	AI	°C(°F)							
30	Mix Unit Temperature (Status)	MixTempStatus_XXX	AI	°C(°F)							
31	Supply Unit Humidity (Status)	SupplyHumidifyStatus_XXX	AI	%							
32	Outdoor Unit Humidity (Status)	OutdoorHumidifyStatus_XXX	AI	%							
33	Ventilation Unit Humidity (Status)	VentilHumidifyStatus_XXX	AI	%							
34	CO2 Value (Status)	CO2ValueStatus_XXX	AI	-	0~255 (Real Value = Value*10, Example : In case Value is 20, CO2 is 20*10=200ppm)						
35	Humidity Unit ON/OFF (Status)	HumidifyUnitStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
36	Heating Unit ON/OFF (Status)	HeaterUnitStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
37	Ventilator FAN ON/OFF (Status)	VentilFanStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
38	Supply Unit FAN ON/OFF (Status)	SupplyFanStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
39	Current OA Damper (Status)	CurrOADamperStatus_XXX	AI	°	0 ° ~ 90 °						
40	Current EA Damper (Status)	CurrEADamperStatus_XXX	AI	°	0 ° ~ 90 °						
41	Current Mix Damper (Status)	CurrMixDamperStatus_XXX	AI	°	0 ° ~ 90 °						
42	Cooling OA Damper (Setting)	OADamperCoolCommand_XXX	AV	°	0 ° ~ 90 °						
43	Cooling OA Damper (Status))	OADamperCoolStatus_XXX	AI	°	0 ° ~ 90 °						
44	Cooling EA Damper (Setting)	EADamperCoolCommand_XXX	AV	°	0 ° ~ 90 °						
45	Cooling EA Damper (Status))	EADamperCoolStatus_XXX	AI	°	0 ° ~ 90 °						

46	Cooling Mix Damper (Setting)	MixDamperCoolCommand_XXX	AV	°	0° ~ 90°
47	Cooling Mix Damper (Status))	MixDamperCoolStatus_XXX	AI	°	0° ~ 90°
48	Heating OA Damper (Setting)	OADamperHeatCommand_XXX	AV	°	0° ~ 90°
49	Heating OA Damper (Status))	OADamperHeatStatus_XXX	AI	°	0° ~ 90°
50	Heating EA Damper (Setting)	EADamperHeatCommand_XXX	AV	°	0° ~ 90°
51	Heating EA Damper (Status))	EADamperHeatStatus_XXX	AI	°	0° ~ 90°
52	Heating Mix Damper (Setting)	MixDamperHeatCommand_XXX	AV	°	0° ~ 90°
53	Heating Mix Damper (Status))	MixDamperHeatStatus_XXX	AI	°	0° ~ 90°
54	FAN OA Damper (Setting)	OADamperFanCommand_XXX	AV	°	0° ~ 90°
55	FAN OA Damper (Status))	OADamperFanStatus_XXX	AI	°	0° ~ 90°
56	FAN EA Damper (Setting)	EADamperFanCommand_XXX	AV	°	0° ~ 90°
57	FAN EA Damper (Status))	EADamperFanStatus_XXX	AI	°	0° ~ 90°
58	FAN Mix Damper (Setting)	MixDamperFanCommand_XXX	AV	°	0° ~ 90°
59	FAN Mix Damper (Status))	MixDamperFanStatus_XXX	AI	°	0° ~ 90°



Outdoor unit Object List

One outdoor unit has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	Compressor Operation	CompressorOperation_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
2	Refrigerant Type	RefrigerantType_XXX	MI	-	-	R407C (1)	R22 (2)	R410A (3)	-	-	-
3	Fan1 Frequency	Fan1Frequency_XXX	AI	rpm							
4	High Pressure	HighPressure_XXX	AI	kPa							
5	Low Pressure	LowPressure_XXX	AI	kPa							
6	Compressor Suction Temp	CompressorSuctionTemp_XXX	AI	°C(°F)							
7	Liquid Pipe Temp	LiquidPipeTemp_XXX	AI	°C(°F)							
8	Heat Exchange Temp	HeatExchangeTemp_XXX	AI	°C(°F)							
9	Outdoor Unit EEV	OutdoorUnitEEV_XXX	AI	-							
10	Over-cooler EEV	Over-coolerEEV_XXX	AI	-							
11	Hot Gas Valve	HotGasValue_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
12	Inverter Discharge Temp	InverterDischargeTemp_XXX	AI	°C(°F)							
13	Air Temp	AirTemp_XXX	AI	°C(°F)							
14	Operation Mode	OperationMode_XXX	MI	-	-	Stop (1)	Cool (2)	Heat (3)	-	-	-
15	Error Code	ErrorCode_XXX	AI	0~255							
16	Inverter1 Compressor Frequency	Inverter1CompressorFrequency_XXX	AI	rpm							
17	Inverter2 Compressor Frequency	Inverter2CompressorFrequency_XXX	AI	rpm							
18	Fan2 Frequency	Fan2Frequency_XXX	AI	rpm							
19	Inverter2 Discharge Temp	Inverter2DischargeTemp_XXX	AI	°C(°F)							
20	Std1 Discharge Temp	Std1DischargeTemp_XXX	AI	°C(°F)							
21	Std2 Discharge Temp	Std2DischargeTemp_XXX	AI	°C(°F)							
22	Upper Hex Temp	UpperHexTemp_XXX	AI	°C(°F)							
23	Lower Hex Temp	LowerHexTemp_XXX	AI	°C(°F)							
24	Sub Cool Pipe In Temp	SubCoolPipeInTemp_XXX	AI	°C(°F)							
25	Sub Cool Pipe Out Temp	SubCoolPipeOutTemp_XXX	AI	°C(°F)							
26	Sub EEV Pulse	SubEevPulse_XXX	AI	-							
27	Oil Equalizing EEV	OilEqualizingEEV_XXX	AI	-							
28	Vapor Injection EEV1	ViEev1_XXX	AI	-							
29	Vapor Injection EEV2	ViEev2_XXX	AI	-							
30	Inverter1 Heater	Inverter1Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
31	Inverter2 Heater	Inverter2Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
32	Inverter1 Oil Sensor	Inverter1OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-
33	Inverter2 Oil Sensor	Inverter2OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-
34	Inverter1 Backup	Inverter1Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-
35	Inverter2 Backup	Inverter2Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-
36	DDC	DDC_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-
37-64	Additional Point for Master Outdoor Unit										
65	(Slave1) Compressor Operation	CompressorOperation_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
66	(Slave1) Refrigerant Type	RefrigerantType_XXX	MI	-	-	R407C (1)	R22 (2)	R410A (3)	-	-	-
67	(Slave1) Fan1 Frequency	Fan1Frequency_XXX	AI	rpm							
68	(Slave1) High Pressure	HighPressure_XXX	AI	kPa							
69	(Slave1) Low Pressure	LowPressure_XXX	AI	kPa							

217	(Slave3) Sub Cool Pipe Out Temp	SubCoolPipeOutTemp_XXX	AI	°C(°F)								
218	(Slave3) Sub EEV Pulse	SubEevPulse_XXX	AI	-								
219	(Slave3) Oil Equalizing EEV	OilEqualizingEEV_XXX	AI	-								
220	(Slave3) Vapor Injection EEV1	ViEev1_XXX	AI	-								
221	(Slave3) Vapor Injection EEV2	ViEev2_XXX	AI	-								
222	(Slave3) Inverter1 Heater	Inverter1Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
223	(Slave3) Inverter2 Heater	Inverter2Heater_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
224	(Slave3) Inverter1 Oil Sensor	Inverter1OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-	-
225	(Slave3) Inverter2 Oil Sensor	Inverter2OilSensor_XXX	BI	-	Not Detect Oil (0)	Detect Oil (1)	-	-	-	-	-	-
226	(Slave3) Inverter1 Backup	Inverter1Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-	-
227	(Slave3) Inverter2 Backup	Inverter2Backup_XXX	BI	-	Not Used (0)	Used (1)	-	-	-	-	-	-
228	(Slave3) DDC	DDC_XXX	BI	-	Off (0)	On (1)	-	-	-	-	-	-
229-256	Additional Point for Slave3 Outdoor Unit											



Heating Object List

One Heating has the following list of points. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	StartStopCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	On/Off (Status)	StartStopStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock (Setting)	LockCommand_XXX	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Lock (Status)	LockStatus_XXX	BI	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Operation Mode (Setting)	AirConModeCommand_XXX	MO	-	-	Cool (1)	Heat (2)	Auto (3)	-	-	-
6	Operation Mode (Status)	AirConModeStatus_XXX	MI	-	-	Cool (1)	Heat (2)	Auto (3)	-	-	-
7	Set Room Temperature (Setting)	SetRoomTempCommand_XXX	AV	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
8	Set Room Temperature (Status)	SetRoomTempStatus_XXX	AI	°C(°F)	16 °C ~ 30 °C (60 °F ~ 86 °F)						
9	Set Hot Water Temperature (Setting)	SetHotWaterTempCommand_XXX	AV	°C(°F)	30 °C ~ 80 °C (86 °F ~ 176 °F)						
10	Set Hot Water Temperature (Status)	SetHotWaterTempStatus_XXX	AI	°C(°F)	30 °C ~ 80 °C (86 °F ~ 176 °F)						
11	Set PipeOut Water Temperature (Setting)	SetPipeOutWaterTempCommand_XXX	AV	°C(°F)	6 °C ~ 80 °C (42 °F ~ 176 °F)						
12	Set PipeOut Water Temperature (Status)	SetPipeOutWaterTempStatus_XXX	AI	°C(°F)	6 °C ~ 80 °C (42 °F ~ 176 °F)						
13	Setting Temperature Reference (Air/Water)	AirWaterFlag_XXX	BI	-	Air (0)	Water (1)	-	-	-	-	-
14	Hot Water Only Mode	HotWaterOnlyFlag_XXX	BI	-	Normal (0)	Hot Water Only (1)	-	-	-	-	-
15	Set Temperature (Status)	RoomTemp_XXX	AI	°C(°F)							
16	Alarm	Alarm_XXX	BI	-	Normal (0)	Abnormal (1)	-	-	-	-	-
17	Error Code	MalfunctionCode_XXX	AI	-	Please refer to LG error code list.						
18	HotWater On/Off (Setting)	HotWaterCommand_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
19	HotWater On/Off (Status)	HotWaterStatus_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
20	Pipe Inlet Temperature Status	PipelnTempStatus_XXX	AI	°C(°F)							
21	Water Tank Temperature Status	TankTempStatus_XXX	AI	°C(°F)							
22	Solar Temperature Status	SolarTempStatus_XXX	AI	°C(°F)							
23	Pipe Outlet Temperature tatus	PipeOutTempStatus_XXX	AI	°C(°F)							
24	Accumulated Power Distribution (Status)	Accumulated power(100 Watt)_XXX	AI	100 Watt	Wattage values						



General Object List

This is the list of BACnet objects provided for the general information. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	All Unit Run/Stop (Setting)	AllStartStopCommand	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	All Unit Set Room Temperature (Setting)	AllSetRoomTempCommand	AV	°C(°F)	18 °C ~ 30 °C (64 °F ~ 86 °F)						
3	All Unit Temperature Lock (Setting)	AllTempLockCommand	BO	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Total Accumulated Power (Status)	TotalAccumulatedPower	AI	100 Watt	Wattage values						
5	Peak Control Operation (Setting)	PeakStartStopCommand	BO	-	Stop (0)	Start (1)	-	-	-	-	-
6	Peak Control Operation (Status)	PeakStartStopStatus	BI	-	Stop (0)	Start (1)	-	-	-	-	-
7	Peak Shift Time(Setting)	PeakShiftTimeCommand	AV	min	5 min ~ 15 min						
8	Peak Shift Time(Status)	PeakShiftTimeStatus	AI	min	5 min ~ 15 min						
9	Peak Target Ratio(Setting)	PeakTargetCommand	AV	%	0 % ~ 100 %						
10	Peak Target Ratio(Status)	PeakTargetStatus	AI	%	0 % ~ 100 %						
11	Peak Current Running Ratio(Status)	PeakCurrentStatus	AI	%	0 % ~ 100 %						
12	Remote Shutdown(Setting)	RemoteShutDownCommand	BO	-	Normal (0)	Shutdown (1)	-	-	-	-	-
13	Temperature Unit Setting (Setting)	TempUnitCommand	BO	-	°C (0)	°F (1)	-	-	-	-	-
14	Temperature Unit Setting (Status)	TempUnitStatus	BI	-	°C (0)	°F (1)	-	-	-	-	-

Scroll-Air-Inv-Gen2 object list

Scroll-Air-Inv-Gen2 has a point list as shown below. Some points may not be supported depending on the product.

Point	Description	Object Name(_XXX : Address)	Object Type	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off (Setting)	Operation_XXX	BO	-	Stop (0)	Start (1)	-	-	-	-	-
2	Chilled Water Flow Switch	ChilledWaterFlowSwitch_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
3	Chilled Water Pump Output	ChilledWaterPumpOutput_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
4	Chilled Water Pump Output	ChilledWaterPumpInterlock_XXX	BI	-	Stop (0)	Start (1)	-	-	-	-	-
5	Main PCB Version	MainPCB_Version_XXX	AI	-							
6	Total Current Consumption	CurrentConsumption_XXX	AI	-							
7	Outside Air Temp	OutsideAirTemp_XXX	AI	°C(°F)							
8	Chilled Water Leaving Temp	ChilledWaterLeavingTemp_XXX	AI	°C(°F)							
9	Chilled Water Entering Temp	ChilledWaterEnteringTemp_XXX	AI	°C(°F)							
10	Error Cycle	ErrorCycle_XXX	AI	-							
11	Error Code	ErrorCode_XXX	AI	-							
12	Left To Start Time	LeftToStartTime_XXX	AI	sec							
13	Total Operation Time(high)	TotalOperationTime(high)_XXX	AI	min							
14	Total Operation Time(low)	TotalOperationTime(low)_XXX	AI	min							
15	Cycle1_1 Water Leaving Temp	Cycle1_1WaterLeavingTemp_XXX	AI	°C(°F)							
16	Cycle1_2 Water Leaving Temp	Cycle1_2WaterLeavingTemp_XXX	AI	°C(°F)							
17	Cycle1_1 Inverter Comp Freq	Cycle1_1InvCompFreq_XXX	AI	Hz							
18	Cycle1_2 Inverter Comp Freq	Cycle1_2InvCompFreq_XXX	AI	Hz							
19	Cycle1_1 HighPressure	Cycle1_1HighPressure_XXX	AI	kPa							
20	Cycle1_2 HighPressure	Cycle1_2HighPressure_XXX	AI	kPa							
21	Cycle1_1 LowPressure	Cycle1_1LowPressure_XXX	AI	kPa							
22	Cycle1_2 LowPressure	Cycle1_2LowPressure_XXX	AI	kPa							
23	Cycle2_1 Water Leaving Temp	Cycle2_1WaterLeavingTemp_XXX	AI	°C(°F)							
24	Cycle2_2 Water Leaving Temp	Cycle2_2WaterLeavingTemp_XXX	AI	°C(°F)							
25	Cycle2_1 Inverter Comp Freq	Cycle2_1InvCompFreq_XXX	AI	Hz							
26	Cycle2_2 Inverter Comp Freq	Cycle2_2InvCompFreq_XXX	AI	Hz							
27	Cycle2_1 HighPressure	Cycle2_1HighPressure_XXX	AI	kPa							
28	Cycle2_2 HighPressure	Cycle2_2HighPressure_XXX	AI	kPa							
29	Cycle2_1 LowPressure	Cycle2_1LowPressure_XXX	AI	kPa							
30	Cycle2_2 LowPressure	Cycle2_2LowPressure_XXX	AI	kPa							
31	Cycle3_1 Water Leaving Temp	Cycle3_1WaterLeavingTemp_XXX	AI	°C(°F)							
32	Cycle3_2 Water Leaving Temp	Cycle3_2WaterLeavingTemp_XXX	AI	°C(°F)							
33	Cycle3_1 Inverter Comp Freq	Cycle3_1InvCompFreq_XXX	AI	Hz							
34	Cycle3_1 Inverter Comp Freq	Cycle3_2InvCompFreq_XXX	AI	Hz							
35	Cycle3_1 HighPressure	Cycle3_1HighPressure_XXX	AI	kPa							
36	Cycle3_2 HighPressure	Cycle3_2HighPressure_XXX	AI	kPa							
37	Cycle3_1 LowPressure	Cycle3_1LowPressure_XXX	AI	kPa							
38	Cycle3_2 LowPressure	Cycle3_2LowPressure_XXX	AI	kPa							
39	Mode(Setting)	ModeCommand_XXX	MO	-	-	Cool	-	-	-	Heat	-
40	Mode(Status)	ModeStatus_XXX	MI	-	-	Cool	-	-	-	Heat	-
41	Set Cool Water Temp	SetCoolWaterTemp_XXX	AV	°C(°F)							
42	Set Hot Water Temp	SetHotWaterTemp_XXX	AV	°C(°F)							



BIBBs

BACnet Interoperability Building Blocks

Alarm and Event Management, Scheduling, Trending and Network Security BIBBs are not supported.

Data Sharing BIBBs

(☐:Not supported, ■: Supported)

BIBB Type		Supported	Service	Initiate	Execute
DS-RP-A	Data Sharing-ReadProperty-A	☐	ReadProperty	X	
DS-RP-B	Data Sharing-ReadProperty-B	■	ReadProperty		X
DS-RPM-A	Data Sharing-ReadPropertyMultiple-A	☐	ReadPropertyMultiple	X	
DS-RPM-B	Data Sharing-ReadPropertyMultiple-B	■	ReadPropertyMultiple		X
DS-RPC-A	Data Sharing-ReadPropertyConditional-A	☐	ReadPropertyConditional	X	
DS-RPC-B	Data Sharing-ReadPropertyConditional-B	☐	ReadPropertyConditional		X
DS-WP-A	Data Sharing-WriteProperty-A	☐	WriteProperty	X	
DS-WP-B	Data Sharing-WriteProperty-B	■	WriteProperty		X
DS-WPM-A	Data Sharing-WritePropertyMultiple-A	☐	WritePropertyMultiple	X	
DS-WPM-B	Data Sharing-WritePropertyMultiple-B	■	WritePropertyMultiple		X
DS-COV-A	Data Sharing-Change Of Value-A	☐	SubscribeCOV	X	
			ConfirmedCOVNotification		X
			UnconfirmedCOVNotification		X
DS-COV-B	Data Sharing-Change Of Value-B	■	SubscribeCOV		X
			ConfirmedCOVNotification	X	
			UnconfirmedCOVNotification	X	
DS-COVP-A	Data Sharing-Change Of Value Property-A	☐	SubscribeCOVProperty	X	
			ConfirmedCOVNotification		X
			UnconfirmedCOVNotification		X
DS-COVP-B	Data Sharing-Change Of Value Property-B	☐	SubscribeCOVProperty		X
			ConfirmedCOVNotification	X	
			UnconfirmedCOVNotification	X	
DS-COVU-A	Data Sharing-Change Of Value Unsubscribed-A	☐	UnconfirmedCOVNotification		X
DS-COVU-B	Data Sharing-Change Of Value Unsubscribed-B	☐	UnconfirmedCOVNotification	X	

Device and Network Management BIBBs

(☐:Not supported, ■: Supported)

BIBB Type		Supported	Service	Initiate	Execute
DM-DDB-A	Device Management-Dynamic Device Binding-A	☐	Who-Is	X	
			I-Am		X
DM-DDB-B	Device Management-Dynamic Device Binding-B	■	Who-Is		X
			I-Am	X	
DM-DOB-A	Device Management-Dynamic Object Binding-A	☐	Who-Has	X	
			I-Have		X
DM-DOB-B	Device Management-Dynamic Object Binding-B	■	Who-Has		X
			I-Have	X	
DM-DCC-A	Device Management-DeviceCommunicationControl-A	☐	DeviceCommunicationControl	X	
DM-DCC-B	Device Management-DeviceCommunicationControl-B	■	DeviceCommunicationControl		X
DM-TS-A	Device Management-TimeSynchronization-A	☐	TimeSynchronization	X	
DM-TS-B	Device Management-TimeSynchronization-B	■	TimeSynchronization		X



PICS

BACnet Protocol Implementation Conformance Statement

Vendor Name

LG Electronics Inc.

Product Name

AC Smart 5

Product Description

This gateway converts between BACnet IP and RS-485 LGAP (LG Aircon protocol) allowing third party control and monitoring of the LG A/C system.

It has a built in web server that does not require any additional software.

BACnet Standardized Device Profile (Annex L)

BACnet Application Specific Controller (B-ASC)

Segmentation Capability

Segmented responses supported Window Size - 64

Standard Object Types Supported

Object-Type	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
Device	No	No	Location, Description, Max Segments Accepted, APDU Segment Timeout, Active COV Subscriptions, Profile Name	N/A
Analog Input	No	No	Description, Reliability, Min Pres Value, Max Pres Value, Resolution, COV Increment	N/A
Analog Value	No	No	Description, Reliability, Resolution, COV Increment	Present_Value
Binary Input	No	No	Description, Reliability, Inactive Text, Active Text	N/A
Binary Output	No	No	Description, Reliability, Inactive Text, Active Text	Present_Value
Binary Value	No	No	Description, Reliability, Inactive Text, Active Text	Present_Value
Multi-State Input	No	No	Description, Reliability, State Text	N/A
Multi-State Output	No	No	Description, Reliability, State Text	Present_Value

Data Link Layer Options

BACnet IP, (Annex J), Foreign Device - IPv4 only, IPv6 not supported

Device Address Binding

Static device binding is not supported.

Character Sets Supported

ANSI x 3.4



Modbus Commission

Commissioning is the process of verifying the subsystems to achieve the owner's project requirements as intended by the building owner and as designed by the building architects and engineers.

After AC Smart 5 installation, you can check the operation status of the device by using the web function before connection with the BMS system.

Creating of the Points. This is NOT to be done by LG since it is directly related to the BMS side. The BMS engineer is to carry out the engineering of the Point, however LG is responsible for providing the method of how the Points are calculated.

Precautions

- To use the Modbus feature, you must select [**Settings**] > [**BACnet/Modbus Setting**] > [**Modbus TCP enable**] as **Set**.
- In case of installing 2 or more AC Smart 5, you must change [**Settings**] > [**BACnet/Modbus Setting**] > [**Vnet Number Setting**] so that the Vnet Numbers are not duplicate among AC Smart 5.
- The Vnet number is used as a Slave ID of the Modbus protocol and can be set to a value from 1 to 247.
- The Read Single Coils command (Function Code 1) can read up to 2,000 commands at a time. The Read Holding Registers command (Function Code 3) can read up to 125 at a time.



Supported Function Codes

The Modbus function codes supported by AC Smart 5 are as follows:

Refer to the Register List page for controlled/monitored items supported by each function code.

- 0x01
- 0x03
- 0x05
- 0x06



Modbus Register List

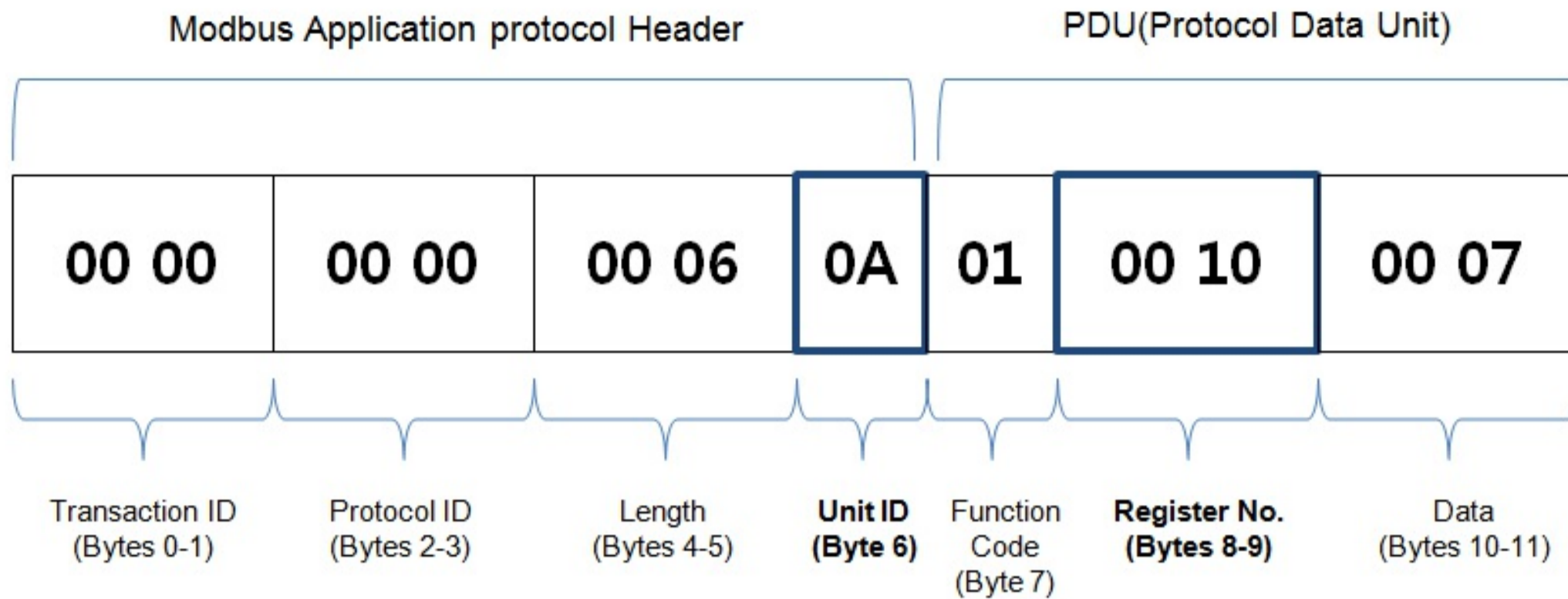
It describes the Modbus Register List provided by AC Smart 5.

- Definition of Register Address
- Indoor Unit Register List
- ERV Register List
- AHU Register List
- Heating Register List

Definition of Register Address

The Register Address of each device is assigned as follows.

- Protocol Configuration



Unit ID : Vnet Number, default value 10

- Register No.



Example of Register Address

Description of Register	Product Type (Hexadecimal)	Product Address (Hexadecimal)	Point (Hexadecimal)	Function Code(Hexadecimal)	Register Address (Hexadecimal)
IDU Address 0x00, On/Off	0x0	0x00	0x1	0x1 / 0x5	0x0000
IDU Address 0x00, Operation Mode	0x0	0x00	0x1	0x3 / 0x6	0x0000
IDU Address 0x1B, On/Off	0x0	0x1B	0x1	0x1 / 0x5	0x01B0
IDU Address 0x1B, Operation Mode	0x0	0x1B	0x1	0x3 / 0x6	0x01B0
ERV Address 0x00, On/Off	0x4	0x00	0x1	0x1 / 0x5	0x4000
ERV Address 0x00, Operation Mode	0x4	0x00	0x1	0x3 / 0x6	0x4000
ERV Address 0x1B, On/Off	0x4	0x1B	0x1	0x1 / 0x5	0x41B0
ERV Address 0x1B, Operation Mode	0x4	0x1B	0x1	0x3 / 0x6	0x41B0
AHU Address 0x00, On/Off	0x8	0x00	0x1	0x1 / 0x5	0x8000
AHU Address 0x00, Operation Mode	0x8	0x00	0x1	0x3 / 0x6	0x8000
AHU Address 0x00, Current OA Damper	0x8	0x01	0x1	0x3	0x8010
AHU Address 0x0F, On/Off	0x8	0x1E	0x1	0x1 / 0x5	0x81E0
AHU Address 0x0F, Operation Mode	0x8	0x1E	0x1	0x3 / 0x6	0x81E0
AHU Address 0x0F, Current OA Damper	0x8	0x1F	0x1	0x3	0x81F0
Heating Address 0x00, On/Off	0xC	0x00	0x1	0x1 / 0x5	0xC000
Heating Address 0x00, Operation Mode	0xC	0x00	0x1	0x3 / 0x6	0xC000
Heating Address 0x0F, On/Off	0xC	0x0F	0x1	0x1 / 0x5	0xC0F0
Heating Address 0x0F, Operation Mode	0xC	0x0F	0x1	0x3 / 0x6	0xC0F0



Indoor Unit Register List

One Indoor unit has the following list of points. Some points may not be supported depending on the product.

Point	Description	Function Code	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
2	Swing	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
3	Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
4	Mode Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
5	Fan Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
6	Temp Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
7	Alarm	01	-	Normal (0)	Abnormal (1)	-	-	-	-	-
1	Operation Mode	03/06	-	-	Cool (1)	Dry (2)	Fan (3)	Auto (4)	Heat (5)	-
2	Fan Speed	03/06	-	-	Low (1)	Middle (2)	High (3)	Auto (4)	-	-
3	Set Room Temperature	03/06	°C	16 °C ~ 30 °C (60 °F ~ 86 °F)						
4	Set Upper Temperature	03/06	°C	18 °C ~ 30 °C (64 °F ~ 86 °F)						
5	Set Lower Temperature	03/06	°C	16 °C ~ 30 °C (60 °F ~ 86 °F)						
6	Room Temperature	03	°C							
7	Error Code	03	-	Please refer to LG error code list.						
8	Accumulated Power(LOW)	03	-	Accumulated Power Value(100 Watt) = Accumulated Power(HIGH) X 65536 + Accumulated Power(LOW)						
9	Accumulated Power(HIGH)	03	-							
10	Accumulated Gas(LOW)	03	-	Accumulated Gas Value(100 Liter) = Accumulated Gas(HIGH) X 65536 + Accumulated Gas(LOW)						
11	Accumulated Gas(HIGH)	03	-							



ERV Register List

One Indoor unit has the following list of points. Some points may not be supported depending on the product.

Point	Description	Function Code	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
2	Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
3	Filter	01/05	-	Off (0)	On (1)	-	-	-	-	-
4	Alarm	01	-	Normal (0)	Abnormal (1)	-	-	-	-	-
5	AC ON/OFF	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
6	AC Humidify	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
1	Operation Mode	03/06	-	-	Heat Exchange (1)	Auto (2)	Normal (3)	-	-	-
2	Fan Speed	03/06	-	-	Low (1)	High (2)	Super High (3)	Auto (4)	-	-
3	User Mode	03/06	-	-	Quick fresh (1)	Energy saving (2)	Clear (3)	-	-	-
4	Error Code	03	-	Please refer to LG error code list.						
5	AC Operation Mode	03/06	-	-	Cool (1)	Auto (2)	Heat (3)	-	-	-
6	Set Room Temperature	03/06	°C	16 °C ~ 30 °C (60 °F ~ 86 °F)						



AHU Register List

One AHU has the following list of points. Some points may not be supported depending on the product.

Due to the limited number of points, One AHU device uses two product addresses. Refer to the Definition of Register Address page for the detail information.

Point	Description	Function Code	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
Product Address X 2										
1	On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
2	Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
3	Filter	01	-	Off (0)	On (1)	-	-	-	-	-
4	FireAlarm	01/05	-	Off (0)	On (1)	-	-	-	-	-
5	Humidity Oper	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
6	Auto Ventilation ON/OFF	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
7	Humidify ON/OFF Status	01	-	Stop (0)	Start (1)	-	-	-	-	-
8	Heater ON/OFF Status	01	-	Stop (0)	Start (1)	-	-	-	-	-
9	Ventilator FAN ON/OFF	01	-	Stop (0)	Start (1)	-	-	-	-	-
10	Supply Unit FAN ON/OFF	01	-	Stop (0)	Start (1)	-	-	-	-	-
11	Alarm	01	-	Normal (0)	Abnormal (1)	-	-	-	-	-
1	Operation Mode	03/06	-	-	Cool (1)	Dry (2)	Fan (3)	Energy saving (4)	Heat (5)	-
2	Set Room Temperature	03/06	°C	16 °C ~ 30 °C (60 °F ~ 86 °F)						
3	Supply Unit Temperature	03	°C							
4	Outdoor Unit Temperature	03	°C							
5	Ventilation Unit Temperature	03	°C							
6	Mix Unit Temperature	03	°C							
7	Set Humidity	03/06	%	40 % ~ 60 %						
8	Supply Unit Humidity	03	%							
9	Outdoor Unit Humidity	03	%							
10	Ventilation Unit Humidity	03	%							
11	CO2 Value	03	-	0~255 (Real Value = Value*10, Example : In case Value is 20, CO2 is 20*10=200ppm)						
12	Error Code	03	-	Please refer to LG error code list.						
Product Address X 2 + 1										
1	Current OA Damper	03	°							
2	Current EA Damper	03	°							
3	Current Mix Damper	03	°							
4	Cooling OA Damper	03/06	°	0 ° ~ 90 °						
5	Cooling EA Damper	03/06	°	0 ° ~ 90 °						
6	Cooling Mix Damper	03/06	°	0 ° ~ 90 °						
7	Heating OA Damper	03/06	°	0 ° ~ 90 °						
8	Heating EA Damper	03/06	°	0 ° ~ 90 °						
9	Heating Mix Damper	03/06	°	0 ° ~ 90 °						
10	FAN OA Damper	03/06	°	0 ° ~ 90 °						
11	FAN EA Damper	03/06	°	0 ° ~ 90 °						
12	FAN Mix Damper	03/06	°	0 ° ~ 90 °						



Heating Register List

One Heating has the following list of points. Some points may not be supported depending on the product.

Point	Description	Function Code	Unit	Text-0	Text-1	Text-2	Text-3	Text-4	Text-5	Text-6
1	On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
2	Lock	01/05	-	Permit (0)	Prohibit (1)	-	-	-	-	-
3	Setting Temperature Reference (Air/Water)	01	-	Air (0)	Water (1)	-	-	-	-	-
4	Set Hot Water Temperature	01	-	Normal (0)	Hot Water Only (1)	-	-	-	-	-
5	Alarm	01	-	Normal (0)	Abnormal (1)	-	-	-	-	-
6	HotWater On/Off	01/05	-	Stop (0)	Start (1)	-	-	-	-	-
1	Operation Mode	03/06	-	-	Cool (1)	Heat (2)	Auto (3)	-	-	-
2	Set Room Temperature	03/06	°C	16 °C ~ 30 °C (60 °F ~ 86 °F)						
3	Hot Water Only Mode	03/06	°C	30 °C ~ 80 °C (86 °F ~ 176 °F)						
4	Set PipeOut Water Temperature	03/06	°C	6 °C ~ 80 °C (42 °F ~ 176 °F)						
5	Room Temperature	03	°C							
6	Error Code	03	-	Please refer to LG error code list.						
7	Pipe Inlet Temperature Status	03	°C							
8	Water Tank Temperature Status	03	°C							
9	Solar Temperature Status	03	°C							
10	Pipe Outlet Temperature tatus	03	°C							



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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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