

Guangzhou Tantron Electronics Co., Ltd

User Manual

T/N TC26L



TC 2.6"

Home and building automation control

Tantron KNX 2.6" touch panel



Products



Programming



Monitoring

About Version

Version	Revision notes	Revised by	Date
V1.0	First draft	Zhengliru	20190710
V1.1	Add 2 parameters to the curtain; add stop button; modify the description of the air-conditioning function database;	Zhengliru	20190802
V2.0	Added RGB dimming, fresh air, floor heating, Time, Alarm, Character display and other functions	Zhengliru	20200427

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1. Summary

This manual provides you with technical information about the touch panel and detailed function introduction. This panel is an integral application module and is suitable for installation in an embedded box conforming to BS 4662: 2006 + A1: 2009.

The engineering design tool software ETS5 can be used and operated on this system.

2. Technical performance

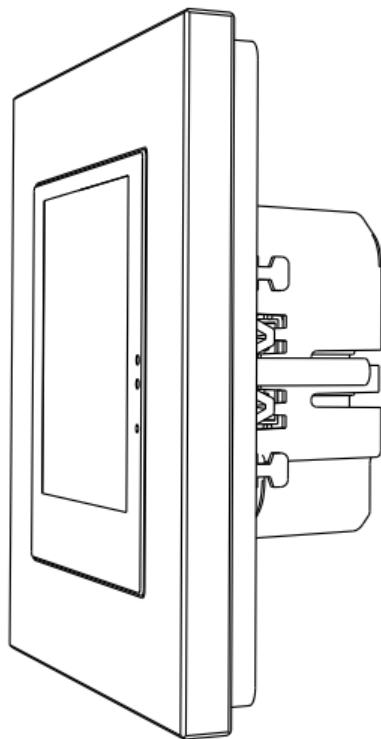
2.1 Technical Information

The following are some technical parameters of the touch panel:

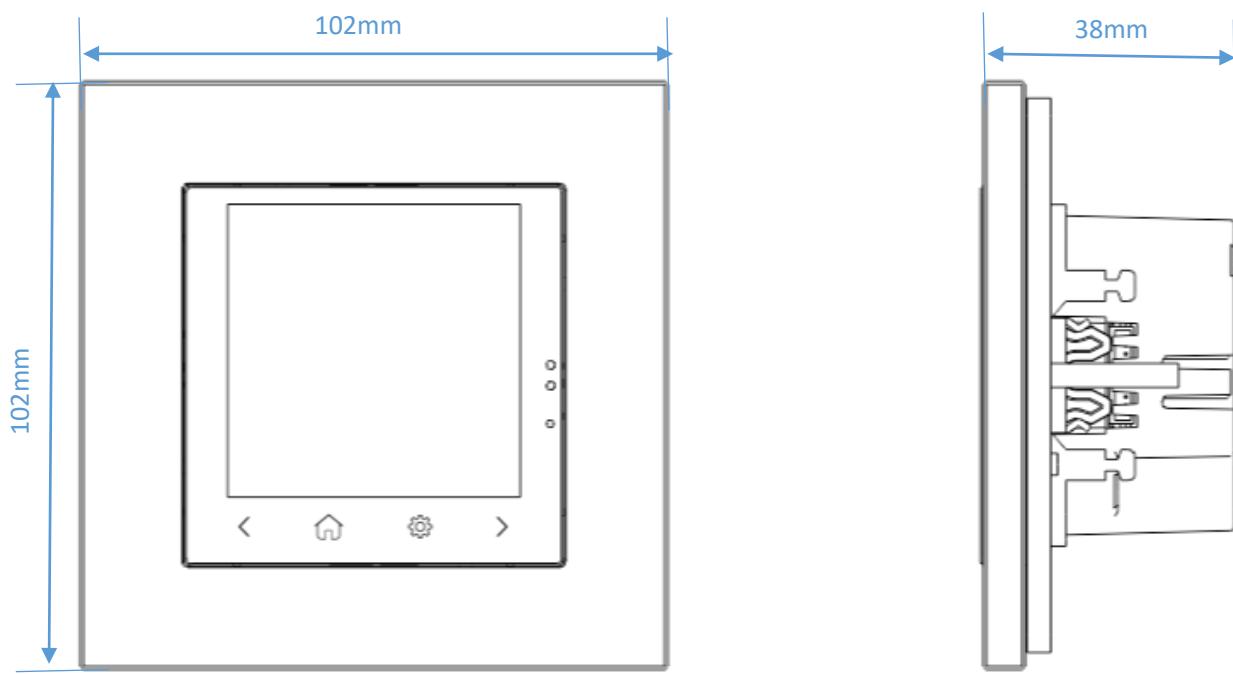
- ☆ Working voltage: 21-30V DC powered by KNX bus
- ☆ Current consumption: <21mA @ 30V DC
- ☆ Screen display mode: LCD Size: 2.6 " Resolution: 320 * 240 dpi
- ☆ Operating temperature: 0 °C ~ 45 °C Storage temperature: -25 °C ~ + 55 °C
- ☆ Environmental humidity: ≤90% (excluding moisture condensation)
- ☆ Appearance material / shell and color:
 - ☆ Protection level: IP20 (IP protection level according to EN60529 standard)
 - ☆ Appearance size: 102 * 102 * 38mm
 - ☆ Installation method: wall mounted

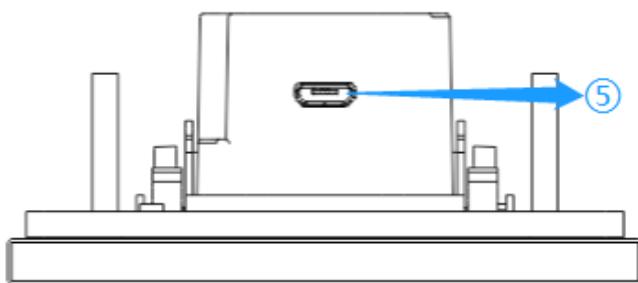
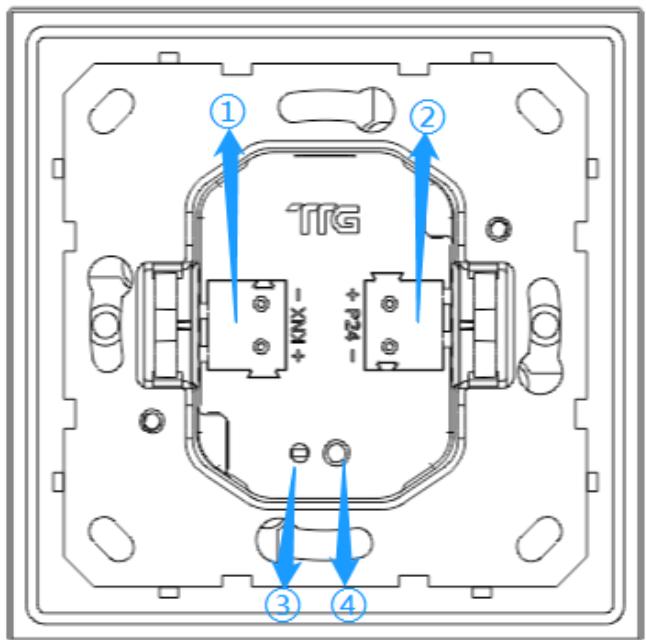
2.2 Dimensions

Appearance



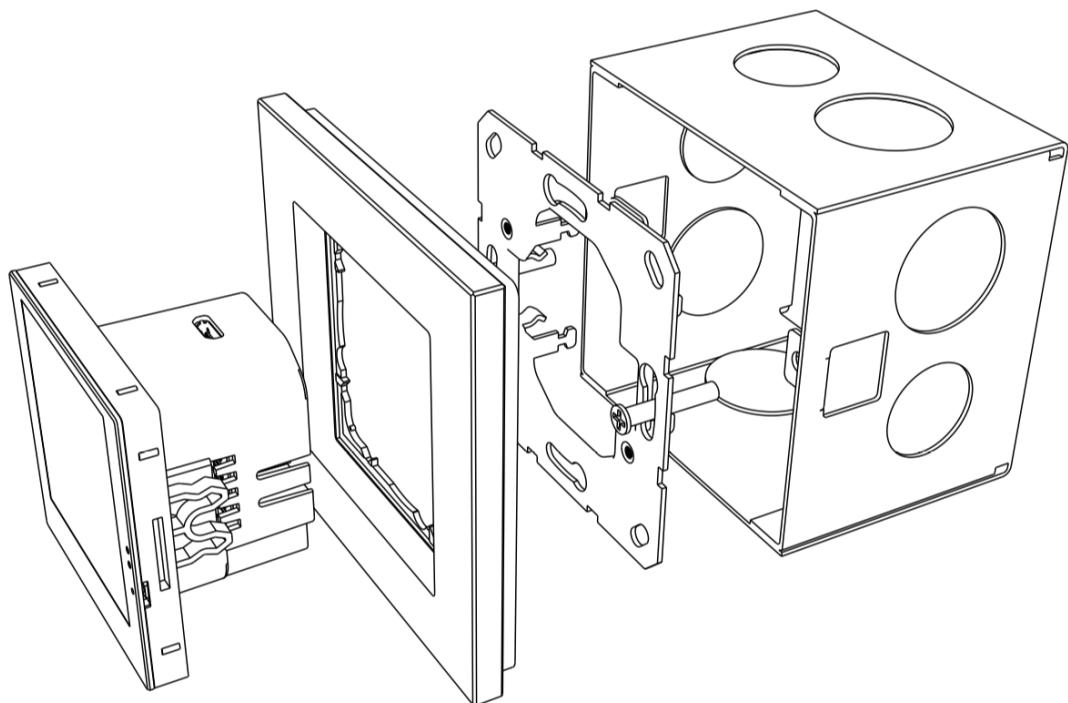
Dimensions



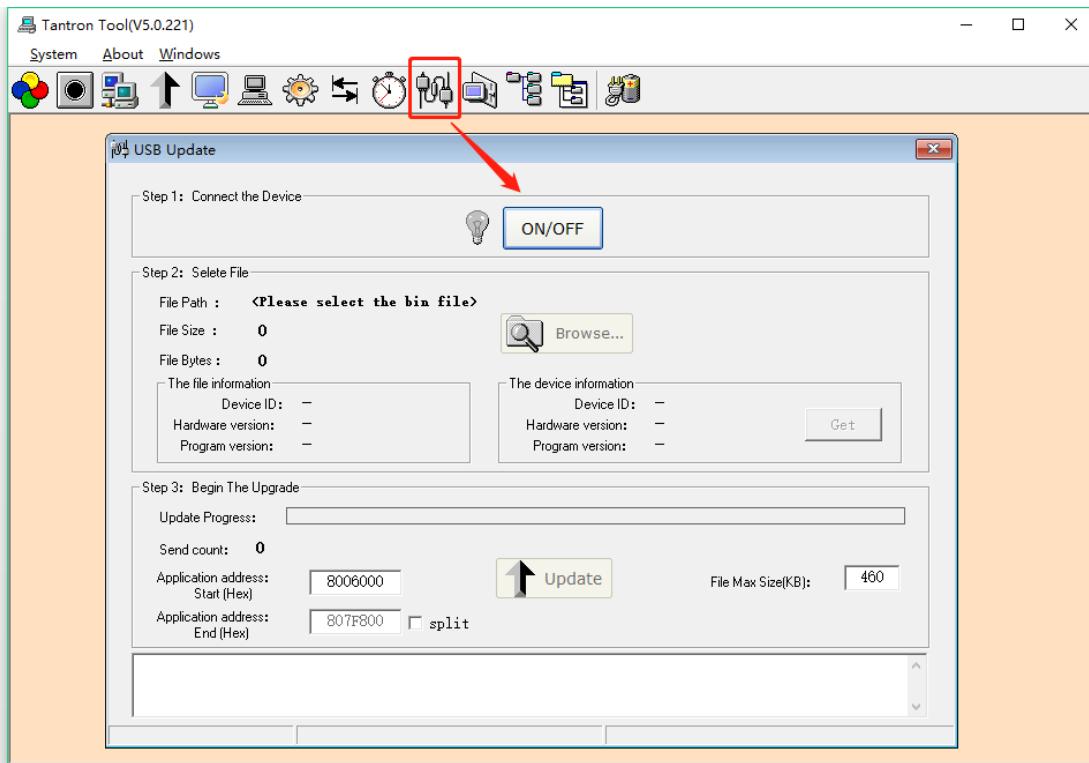


- ① KNX terminal
- ② None
- ③ Indicator
- ④ Programming button
- ⑤ USB interface

Instructions



2.3 Update



Step 1: Long press the panel programming button (or long press the “setting” on the panel, then programming operation page appears, long press "Updata program"), until the programming button flashes red, and the screen is black at the same time;

Step 2: Connect the panel and computer directly with a USB cable (you must enter the upgrade state before connecting to USB);

Step 3: Click the icon on the menu bar of the software to open the "USB Update" window;

Step 4: Click the button to light up the icon to indicate that the device is connected;

Step 5: Click the button to open the upgrade file --bin file;

Step 6: Set "file max size (KB)", 480KB;

Step 7: Click to start the update process.

Remarks: 1. Parameters not mentioned do not need to be modified; 2. Click “get” to get the device information. You can upgrade only when the device information is consistent with the bin file information.

3. Functions

3.1 Overview

The specific functions of the touch panel are as follows:

- Sleep function
- Laser inspection
- VRV air conditioning control
- Fan Coil air conditioning control
- Automatic dehumidification function
- Dimming: normal dimming, RGB dimming
- Curtain
- Scenes
- Turn on and off of the lights
- Temperature and humidity detection
- Temperature and humidity alarm
- VOC / PM25 / PM10 / CO / CO gas function
- Music function
- Page jump
- Free combination of page icons
- Support icon customization
- Language switch
- Support language customization
- OLED display brightness adjustment
- Floor heating
- Fresh

3.2 Parameter “General page”

8.8.11 Touch panel/2.6/2.0/20191118_VRV > General page

General page	Start the time delay after bus voltage recovery(0...255/s)	2
Key page 1	Brightness of LCD is.(1...100/%)	100
Key page block 1	Dimmer time of LCD is,if it is switched on(1...10s)	2
	Volume of OLED is.(1...100/%)	1
	Lock panel device by telegram:	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Show action of key in telegram	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Minimum interval of output telegram is (0 = unlimited, 1...170/0.1s)	1
	Set the number of key pages	1
	Main page setting	1
	Save data interval(1...255 unit : 1min)	1
	Temperature detection	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Humidity detection	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Sleep function is	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Laser detection function	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Thermostat function	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Music function	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Floor heating function	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Fresh air function	<input checked="" type="radio"/> Inactive <input type="radio"/> Active

组对象 / 频道 / 参数

Parameter “start the time delay after bus voltage recovery(0...255/s)”

This parameter sets the startup delay time of the device.

Range: 0 ... 255, unit: second

Parameter “Brightness of OLED is(1...100/%)”

This parameter sets the brightness value of the OLED screen.

Range: 1 ... 100, unit:%

Parameter “Dimming time of OLED is, if it is switched on(1...10s)”

This parameter is used to set the dimming time of the OLED, that is, the time when the current OLED state reaches the target state.

Range: 1 ... 10, unit: second

Parameter “volume of OLED is(1...100/%)”

This parameter sets the system volume.

Range: 1 ... 100, unit:%

Remarks: The system volume is a backup function and is temporarily unavailable.

Parameter “Lock panel device by telegram”

This parameter sets whether to unlock the device via the bus.

Optional: inactive

active

Select "active" to unlock the device through the bus. The communication object is "Lock device".

Send 01 to the communication object "Lock device" through the bus to lock the device. The touch panel cannot be operated. Send 00 to unlock the device.

Parameter “Show action of key in telegram”

This parameter sets whether to display the state of the key through the message.

Optional: inactive

active

Select "active" to display the status of the key through the message. The communication object is "Valid action of key". If the message of the communication object "Valid action of key" is 00, if the button is pressed, the communication object "Valid action of The key 01 sends data 01 to indicate that a key is pressed; if the message of the communication object "Valid action of key" is 01, if the key is pressed, the communication object "Valid action of key" does not send data.

Parameter “Minimum interval of output telegram is(0=unlimited,1...170(unit:0.1s))”

This parameter sets the minimum interval for message output.

Range: 1 ... 170, 0 is unlimited, unit: 0.1 second

Parameter “set the number of key pages”

This parameter is used to set the number of pages displayed on the panel.

Range: 1 ... 10

Parameter “main page setting”

This parameter is used to set the number of pages displayed on the panel.

Range: 1 ... 10

Parameter “save data interval(1...255 unit:1min)”

This parameter applies to all function modules with saving function and is used to set the data saving time.

Range 1... 255, unit: minute

Remarks: Added power-off save, the original interval save is still valid; all the saved data will be saved once when the interval time expires; all the save data will be saved once at power-off; if the last power-off save fails, the last Data saved at intervals; reloading the database will clear all saved data.

Parameter “temperature detection”

Temperature page”

Whether to enable the temperature detection function.

Optional: inactive

active

Selecting "active" means turning on the temperature detection function. For the setting parameters of the temperature detection function, see "3.2.5 Parameter Setting Interface Temperature page"

Parameter “humidity detection”

humidity page”

Whether to enable the humidity detection function.

Optional: inactive

active

Select "active" to turn on the humidity detection function. For the setting parameters of the humidity detection function, see "3.2.6 Parameter Setting Interface Humidity Page"

Parameter “sleep function”

Whether to enable the sleep function.

Optional: inactive

active

Select "active" to enable the sleep function. For the setting parameters of the sleep function, see "3.2.1 Parameter Setting Interface Sleep page"

Parameter “laser detection function”

Whether to activate the laser detection function.

Optional: inactive

active

Select "Active" to activate the laser detection function. For the setting parameters of the laser detection function, please refer to "3.2.2 Parameter Setting Interface Laser detection"

Parameter “Thermostat function”

Whether to turn on the air conditioning adjustment function.

Optional: inactive

active

Select "Active" to turn on the air conditioning adjustment function. For the setting parameters of the air conditioning adjustment function, see "3.2.3 Parameter Setting Interface Thermostat"

Parameter “music function”

Whether to turn on the music function.

Optional: inactive

active

Select "Active" to turn on the music function. For the setting parameters of the music function, see "3.2.4 Parameter Setting Interface Music page".

Parameter “floor heating function”

Whether to turn on the floor heating function.

Optional: inactive

active

Select "active" to turn on the floor heating function. For the setting parameters of the floor heating function, see "3.2.7 Parameter setting interface floor heating".

Parameter “fresh air function”

Whether to enable the fresh air function.

Optional: inactive

active

Select "active" to enable the fresh air function. For the setting parameters of the fresh air function, see "3.2.8 Parameter Setting Interface fresh air".

3.2.1 Parameter “Sleep page”

-.-. Touch panel > General page > Sleep page

General page	Enter sleep after(1...255/s)	60
Sleep page	--Sleep brightness of OLED(0...10 unit is 10%)	0
Laser detection		
Air conditioniting		
Music page 1		
Temperature page		
Humidity page		
+ Key page 1		

Parameter “enter sleep after(1...255/s)”

This parameter sets how long the device is idle to enter sleep mode.

Range: 1... 255, time: seconds

Parameter “—sleep brightness of OLED(0...10 unit is 10%)”

This parameter sets the brightness value of the OLED in sleep mode.

Range: 0... 10, 0 is completely dark, 10 is fully bright, unit: 10%

3.2.2 Parameter “Laser detection”

-.- Touch panel > General page > Laser detection

General page	Group No.1 set:	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
Sleep page	Group No.2 set:	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
Laser detection		
Air conditioniting		
Music page 1		
Temperature page		
Humidity page		
+ Key page 1		

Parameter “Group No.1 set”

Whether to activate the first set of settings.

Optional: inactive

active

Select "active" to activate the first set of laser detection settings, and 5 new parameters appear, as shown below:

-.- Touch panel > General page > Laser detection

General page	Group No.1 set:	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
Sleep page	--Delay time for shut off backlight:	10
Laser detection	--Laser detection is triggered by telegram:	<input checked="" type="radio"/> NO <input type="radio"/> YES
Air conditioniting	--If state changed.teleg No.1 is:	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
Music page 1	--Percent value of OLED is:	0%
Temperature page	--Detection distance setting:	50cm
Humidity page	Group No.2 set:	<input checked="" type="radio"/> Inactive <input type="radio"/> Active 默认值: 50cm
+ Key page 1		

Parameter “—delay time for shut off backlight”

This parameter setting adjusts the delay time of the backlight. It works when the laser detection distance is 0.

Range: 0... 255, unit: second

Parameter “laser detection is triggered by telegram”

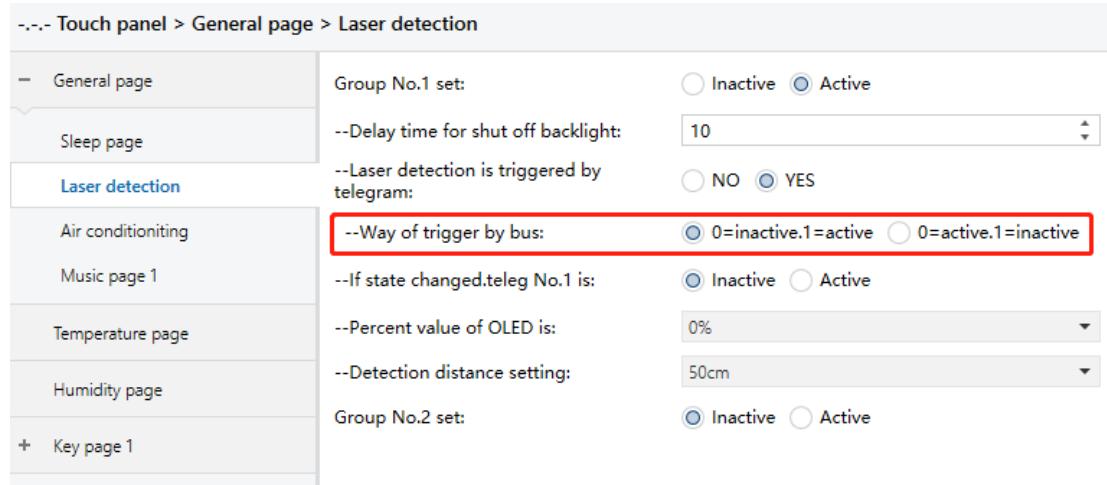
Whether to trigger the laser detection function through the message.

Available options: No

Yes

Select "Yes" to allow the laser detection function to be activated or deactivated by the message, the communication object "Laser detection trigger No1" appears, and a new parameter appears, as

shown in the following figure:



Parameter “—Way of trigger by bus”

This parameter sets the way the bus triggers the laser detection function.

Optional: 0 = inactive, 1 = active

0 = active, 1 = inactive

Select "0 = inactive, 1 = active", indicating that the communication object "Laser detection trigger No1" receives the message value 0, disables the laser detection function, and receives the message value 1 to activate the laser detection function;

Select "0 = active, 1 = inactive", the opposite.

Parameter “—if state changed, teleg No.1 is”

This parameter sets whether to report to the bus when the backlight status is changed.

Optional: inactive

active

Select “active”, the communication object “laser detection flag No1” appears. When the laser detection distance is 0, wait for the time set by the parameter “—delay time for shut off backlight” to end, adjust the backlight (the brightness of the backlight is adjusted according to Parameter “—percent value of OLED is” setting), at the same time, the communication object “laser detection flag No1” sends a message 0 to the bus; select “inactive” to not activate the communication object.

Parameter “—delay time for shut off backlight”

When the laser detection distance is 0, and after a period of time, adjust the brightness of the backlight, and how much the brightness is reduced is set by this parameter.

Optional: 0%

10%

...

90%

100%

Select "0%" to reduce the brightness of the backlight to 0, that is, completely dark;

...

Select "100%" to maintain the current backlight brightness.

Parameter “—Detection distance setting”

This parameter sets the laser detection distance.

Options: 10cm

20cm

...

100cm

More than 100cm

For example, selecting "50cm" means that the maximum distance that the laser can detect is 50cm. If no object can be detected within 50cm, the detection distance is displayed as 0; selecting "More than 100cm", the theoretical maximum detection distance can reach 150cm , Affected by the environment.

Note: The second group of laser detection settings are similar to the first group, you can refer to the first group of parameter settings; the first group has a higher priority than the second group, that is, both groups are activated at the same time, subject to the first group settings; The sleep function and the laser detection function are activated at the same time, and the laser detection priority is higher than the sleep function.

3.2.3 Parameter “Thermostat”

-- Touch panel/2.6/20190801 > General page > Thermostat		
<ul style="list-style-type: none"> - General page + Laser detection + Thermostat <ul style="list-style-type: none"> Music page 1 Music page 2 Music page 3 Music page 4 Music page 5 Music page 6 Temperature page 	The number of channel setting	1
	Thermostat function set	VRV Function
	Timing function is	<input checked="" type="radio"/> Inactive <input type="radio"/> Active
	Function automatically dehumidify is	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	--Threshold of start dehumidify is (1...1000/0.1%)	800
	--Threshold of stop dehumidify is (1...1000/0.1%)	600
	组对象 / 频道 / 参数	

Parameter “The number of channel setting”

This parameter is used to set the number of air conditioning channels.

Range: 1... 10

Parameter “Thermostat func set”

Set the air conditioning control mode.

Optional: Inactive

VRV function

Fan coil function

Select "VRV function" to indicate that the air-conditioning control mode is VRV mode. For specific parameter settings, see "3.2.3.1 Air-conditioning control mode VRV page";

Select "Fan coil function" to indicate that the air-conditioning control mode is the fan coil mode.

For specific parameter settings, see "3.2.3.2 Air-conditioning Control Mode Fancoil page".

Parameter "Timing function is"

This parameter sets whether to enable the timing function.

Optional: inactive

active

Select "active" to enable the timing function. For the setting parameters of the timing function, please refer to "3.2.3.3 Parameter Setting Interface Timing page".

Parameter "Function automatically dehumidify is"

Whether to turn on the automatic dehumidification function.

Optional: inactive

active

Select "Active" to turn on the automatic dehumidification function, there are 2 setting parameters:

Parameter "—threshold of start dehumidify is(1...1000/0.1%)"

Parameter "—threshold of stop dehumidify is(1...1000/0.1%)"

These two parameters set the humidity value for starting automatic dehumidification and the humidity for ending automatic dehumidification. It can be modified by the objects "start threshold of dehumidify" and "stop threshold of dehumidify".

Range: 1 ... 1000, unit: 0.1%

Remarks: Automatic dehumidification process: write 00 to enable automatic dehumidification function through the communication object "automatical dehumidification" (write 00 to enable automatic dehumidification, write 01 to exit automatic dehumidification), when the humidity exceeds the parameter "Threshold of start dehumidify is (1 ... 1000; unit is 0.1%) "After setting the value, enter the automatic dehumidification function (if the mode is not in the dehumidification mode, it will enter the dehumidification mode; if the mode is in the dehumidification mode, it will maintain the original state), when the humidity is lower than the parameter After the value set by "Threshold of stop dehumidify is (1 ... 1000; unit is 0.1%)", exit the automatic dehumidification function (after exiting the automatic dehumidification function, the air conditioner display state is the state saved by the feedback object).

3.2.3.1 Air conditioning control mode "VRV page 1"

Remarks: The other channels of VRV air conditioner are the same as channel 1, refer to the introduction of channel 1

Light Control

-.- Touch panel/2.6/2.0/20200118 > General page > Thermostat > VRV page 1

<ul style="list-style-type: none"> - General page Temperature page Humidity page Sleep page Laser detection <ul style="list-style-type: none"> - Thermostat Timing page 1 	Dehumidification mode active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	Refrigeration mode active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	Ventilation mode active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	Heating mode active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	Speed 1 active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	Speed 2 active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	Speed 3 active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	Automatic speed active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	The minimum temperature is(1...1000/0.1 centig.)	100
	The maximum temperature is(1...1000/0.1 centig.)	300
After bus voltage recovery.setting is	Follow preset	
--Thermostat is switch	<input checked="" type="radio"/> OFF <input type="radio"/> ON	
Set temperature increases or decreases value	1.0	
Object value'Switch ON/OFF'	<input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF	
Object value'Run mode': Dehumidification (0...255)	0	
Refrigeration (0...255)	1	
Ventilation (0...255)	2	
Heating (0...255)	3	
Object value'Run speed': speed (0..255)	Low 0	
Middle speed (0..255)	1	
High speed (0..255)	2	
Auto speed (0..255)	3	
Object value'Switch status feedback'	<input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF	
Object value'Mode feedback': Dehumidification mode	0	
Refrigeration mode	1	
Ventilation mode	2	
Heating mode	3	
Object value'Speed feedback': Low speed	0	
Middle speed	1	
High speed	2	
Auto speed	3	

组对象 频道 参数

Parameter “dehumidification/refrigeration/ventilation/heating mode active”

These parameters are used to disable or activate the dehumidification / cooling / ventilation / heating mode.

Optional: inactive

active

Select "inactive" to disable, select "Active" to activate.

Parameter “speed 1/2/3 active”

These parameters are used to disable or activate wind speed.

Select "inactive" to disable, select "active" to activate.

Parameter “The minimum temperature is”

Parameter “The maximum temperature is”

This parameter is used to set the minimum and maximum values of the air-conditioning setting temperature.

Range: 50… 400, unit: 0.1 °C

Parameter “After bus voltage recovery, setting is”

This parameter sets the state of the air conditioner after the device bus recovers power.

Optional: follow preset

readed from air-conditioner

restored before power down

When "follow setting" is selected, the state of the air conditioner will operate according to the preset state after the device bus returns to power supply, as shown in the figure above:

Parameter “--Air-conditioner is switch”

This parameter sets the switch state of the air conditioner after the bus resumes power supply.

Optional: off

on

Select "off", the switch state of the air conditioner is off;

Select “on”, the switch status of the air conditioner is on, and 3 setting parameters appear, as shown in the figure below:

-.- Touch panel/2.6/2.0/20200118 > General page > Thermostat > VRV page 1

General page	The minimum temperature is(1...1000/0.1 centig.)	100
Temperature page	The maximum temperature is(1...1000/0.1 centig.)	300
Humidity page	After bus voltage recovery.setting is	Follow preset
Sleep page	--Thermostat is switch	<input type="radio"/> OFF <input checked="" type="radio"/> ON
Laser detection	--Run mode is	Dehumidifying
Thermostat	--Target temperature is (Min_T...Max_T/0.1 centig.)	260
Timing page 1	--Speed is	Speed 1
VRV page 1	Set temperature increases or decreases value	1.0
Music	Object value'Switch ON/OFF'	<input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF
Floor heating		

组对象 / 频道 / 参数

Parameter “--Run mode is”

Operating mode when the air conditioner is turned on.

Options: dehumidifying

refrigeration

ventilation

heating

They are dehumidification mode, cooling mode, ventilation mode, and heating mode.

Parameter “Target temperature is(Min_T...Max_T: unit is 0.1centig)”

This parameter sets the setting temperature when the air conditioner is turned on.

Range: Within the range set by Parameter “The minimum temperature is” and Parameter “The maximum temperature is”, unit: 0.1 °C

Parameter “Air speed is”

This parameter sets the wind speed when the air conditioner screen is turned on.

Available options: Sleep 1

Sleep 2

Sleep 3

Sleep auto

Select "Sleep 1/2/3 / auto" to indicate that the wind speed when the air conditioner is turned on is 1/2/3 / auto.

Select "readed from air-conditioner", and the state of the air conditioner will be read from the air conditioner after the device bus recovers power. As shown below:

-.- Touch panel > General page > Air conditioniting > VRV page 1

- General page	The minimum temperature is (Min_T:1...1000 unit is 0.1 centig.)	100
Sleep page	The maximum temperature is (Max_T:1...1000 unit is 0.1 centig.)	300
Laser detection	After bus voltage recovery.setting is	Readed from air conditioner
- Air conditioniting	-The interval of reading from AHU (1...255 unit is 1s)	60
VRV page 1	--The max count of reading AHU is	5
Music page 1	--Afer reading fail.value get from	Presetting
Temperature page	--Air conditioner is switch	<input type="radio"/> OFF <input checked="" type="radio"/> ON
Humidity page	--Run mode is	Dehumidifying
+ Key page 1	--Target temperature is(Min_T...Max_T unit is 0.1 centig.)	260
	--Air speed is	Speed 1
	--Setting of switch:	<input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF
	--Setting of dehumidification mode (0...255 254 = inactive)	0
	--Setting of refrigeration mode(0...255 254 = inactive)	1

组对象 / 频道 / 参数

Parameter “--The interval of reading from AHU(1...255;unit is 1s)”

This parameter sets the time interval for reading the status from the air conditioner after the device bus restores power.

Range: 1... 255, unit: second

Parameter “The max count of reading AHU is”

This parameter sets the maximum number of times to read the status from the air conditioner after the device bus restores power.

Parameter “After reading fail, value get from”

This parameter sets the state of the air conditioner after a failed reading.

Optional: none

presetting

restore before power down

Select "none" to indicate that the air conditioner is not set after the reading fails;

Select "restore before power down" to indicate that the state of the air conditioner after reading failed is the state before saving the power;

Selecting "presetting" means that the air conditioner will activate 4 parameters according to the preset state after reading failure:

Parameter “--Air-conditioner is switch”**Parameter “--Run mode is”****Parameter “Target temperature is(Min_T...Max_T: unit is 0.1centing)”****Parameter “Air speed is”**

After the reading of these 4 parameter settings fails, the switch status, operating mode, set temperature and wind speed of the air conditioner.

Select "restored before power down" to save the state of the air conditioner after the power is restored to the device bus and save the state before power off. This state is read in the feedback object.

Parameter “set temperature increases or decreases value”

This parameter is used to set the increase or decrease of the setting temperature modified by the touch screen.

Optional: 0.1

0.5

1.0

First group: Control value**Parameter “--Setting of switch”**

The control value of the air conditioner switch.

Options: 0 = OFF; 1 = ON

0 = ON; 1 = OFF

Select "0 = OFF; 1 = ON", by clicking on the display, the communication object "Switch ON / OFF, CHX" emits 01 when the air conditioner is turned on, and the communication object "Switch ON / OFF, CHX" sends 00 when the air conditioner is turned off

Select "0 = ON; 1 = OFF", the opposite.

Parameter “--Setting of dehumidification/refrigeration/ventilation/heating mode(0...255;254= inactivate)”

The control values of dehumidification / cooling / ventilation / heating in the air-conditioning operation mode, modify the air-conditioning mode by clicking on the display screen, and the communication object "Run mode, CH1" will send out the settings in the corresponding mode.

Range: 0... 255, 254 does not work

Parameter “Setting of low/medium/high/auto Speed (0...255;254= inactivate)”

The control value of the air conditioner wind speed of 1/2/3 / auto level can be modified by clicking the display screen, and the communication object "Air speed" sends out the data set in the corresponding mode.

Range: 0... 255, 254 does not work

The second group: feedback value

Parameter “Setting of switch”

Feedback value of air conditioner switch.

Options: 0 = OFF; 1 = ON

0 = ON; 1 = OFF

Select "0 = OFF; 1 = ON", the communication object "Switch status feedback, CH1" when the received message is 0, the air conditioning state is off, when the received message is 1, the air conditioning state is on;

Select "0 = ON; 1 = OFF", the opposite.

Parameter “Setting of dehumidification/refrigeration/ventilation/heating mode(0...255;254= inactivate)”

The feedback value of the dehumidification / cooling / ventilation / heating operation mode of the air conditioner, the communication object "Run mode feedback, CH1" receives the corresponding message value and enters the corresponding mode.

Range: 0... 255, 254 does not work

Parameter “Setting of low/medium/high/auto speed(0...255;254= inactivate)”

The feedback value of the air conditioner wind speed 1/2/3 / auto level, the communication object "Air speed feedback, CH1" receives the corresponding message value and enters the corresponding wind speed.

Range: 0... 255, 254 does not work

3.2.3.2 Air conditioning control mode “Fancoil page 1”

Remarks: The other channels of the fan coil are the same as channel 1, refer to the introduction of channel 1

-.- Touch panel/2.6/2.0/20200118 > General page > Thermostat > Fancoil page 1

- General page	Dehumidification mode active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
Temperature page	Refrigeration mode active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
Humidity page	Ventilation mode active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
Sleep page	Heating mode active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
Laser detection	Speed off active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
- Thermostat	Speed 1 active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
Timing page 1	Speed 2 active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
Fancoil page 1	Speed 3 active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
+ Music	Automatic speed active	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
Floor heating	Heating:Minimum temperature is (Min_T:1...1000/0.1 centig.)	100
Fresh air	Maximum temperature is (Min_T:1...1000/0.1 centig.)	300
+ Key page 1	Minimum control value:	0%
	Maximum control value:	100%
	Refrigeration:Minimum temperature is (Min_T:1...1000/0.1 centig.)	100
	Maximum temperature is (Min_T:1...1000/0.1 centig.)	300
	Minimum control value:	0%
	Maximum control value:	100%
	Current temperature of the source	<input checked="" type="radio"/> Local <input type="radio"/> External
	Set temperature increases or decreases value	1.0
	Control value send when change:	5%
	Cycle send control value(0...255/min)	10
	Speed object set:	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte
	Auto speed send object	<input checked="" type="radio"/> Manual/auto object <input type="radio"/> Speed object

Auto/manual speed set	<input checked="" type="radio"/> 0=manual.1=auto <input type="radio"/> 0=auto.1=manual
Threshold ON-> fan speed 1(1...100%)	10
Threshold ON-> fan speed 2(1...100%)	40
Threshold ON-> fan speed 3(1...100%)	70
Number of output channels	<input checked="" type="radio"/> 2 channel(4 pipe) for heat/cool <input type="radio"/> 1 channel(2 pipe) for heat/cool
After bus voltage recovery.setting is	<input checked="" type="radio"/> Follow preset <input type="radio"/> Restored before power down
--Switch is	<input checked="" type="radio"/> OFF <input type="radio"/> ON
Object value'Remote control switch'	<input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF
Object value'Remote control mode': Dehumidification (0...255)	0
Refrigeration (0...255)	1
Ventilation (0...255)	2
Heating (0...255)	3
Object value'Remote control speed': Speed off(0...255)	0
Speed 1 set:(0...255)	1
Speed 2 set:(0...255)	2
Speed 3 set:(0...255)	3
Speed auto set:(0...255)	4
Object type'Speed feedback/Fan coil'	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte
Object value'Switch feedback/Panel'	<input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF
Object value'Mode feedback/Panel': Dehumidification mode	0
Refrigeration mode	1
Ventilation mode	2
Heating mode	3
Object value'Speed feedback/Panel': Speed off	0
Speed 1	1
Speed 2	2
Speed 3	3
Speed auto	4

组对象 / 频道 / 参数

Parameter “dehumidification/refrigeration/ventilation/heating mode active”

These parameters are used to disable or activate the dehumidification / cooling / ventilation / heating mode.

Optional: inactive

active

Select "inactive" to disable, select "Active" to activate.

Parameter “speed off/1/2/3 active”

These parameters are used to disable or activate wind speed.

Select "inactive" to disable, select "active" to activate.

Parameter “The minimum temperature is(Min_T: 1...1000;unit is 0.1centing)”

This parameter sets the minimum temperature value of the set temperature in heating / cooling mode.

Range: 50… 400, unit: 0.1 °C

Parameter “The maximum temperature is(Max_T: 1...1000;unit is 0.1centing)”

This parameter sets the maximum temperature value of the set temperature in heating / cooling mode.

Range: 50… 400, unit: 0.1 °C

Parameter “Minimum control value”

This parameter is used to set the minimum control value in heating / cooling mode.

Optional: 0%

5%

10%

15%

20%

25%

30%

For example, select "5%", which means that the minimum control value is 5%, and if the actual control value is less than 5%, it will directly issue 0%.

Parameter “Maximum control value”

This parameter is used to set the maximum control value in heating / cooling mode.

Optional: 70%

75%

80%

85%

90%

95%

100%

For example, if "70%" is selected, the maximum control value in heating / cooling mode is 70%. If the actual control value is greater than 70%, only 70% can be issued.

Note:

1. Calculation method of control value:

*Heating mode: control value = (set temperature-current temperature) /1.6*100%*

*Cooling mode: control value = (current temperature-set temperature) /1.6*100%*

If the calculated control value is lower than the parameter "Minimum control value" setting value, it will issue 0%

Higher the setting value of the parameter "Maximum control value", the setting value is sent out

2. The calculation method of the control value of the dehumidification mode is the same as that of the cooling mode;

In the ventilation mode, the automatic wind speed file is not subdivided into grades, and the heating and cooling control values are 0, no need to calculate

Parameter “Current temperature of the source”

This parameter is used to set the current temperature source.

Optional: local

external

Select "local" to indicate that the temperature is detected by the local device;

Select "External" to indicate that the temperature uses external temperature, activate the parameter "data type of the temperature value", which is used to set the data type of the external temperature.

Parameter “set temperature increases or decreases value”

This parameter is used to set the increase or decrease of the setting temperature modified by the touch screen.

Optional: 0.1

0.5

1.0

Parameter “Control value send when change”

When the control value change range is greater than the set range, the current control value is sent to the bus.

Optional: 0%

1%

...

14%

15%

For example, select "5%", then when the control value changes more than 5%, the current control value can be sent to the bus.

Parameter “Cycle send control value (0 means inactive, minute)”

This parameter sets the period for transmitting control values to the bus.

Range: 0... 255, unit: minute (0 does not work)

Parameter “Speed object set”

This parameter sets the object type of the wind speed control value.

Available options: 1bit

1byte

Select "1bit", the object type of wind speed control value is 1bit, and the communication objects are "Speed 1 (control)", "Speed 2 (control)", "Speed 3 (control)".

Select "1byte", the object type of wind speed control value is 1byte, and the communication object is "Speed 1byte (control)", activate 4 parameters, as shown in the following figure:

-.- Touch panel > General page > Air conditioning > Fancoil page 1

General page	Maximum control value:	100%
Sleep page	Control value send when change:	5%
Laser detection	Cycle send control value:(0 means inactive.minute)	10
Air conditioning	Speed object set:	<input type="radio"/> 1 bit <input checked="" type="radio"/> 1 byte
Fancoil page 1	Speed off set (0..255)	0
	Speed 1 set (0..255)	1
	Speed 2 set (0..255)	2
	Speed 3 set (0..255)	3
Key page 1	Auto/manual speed set	<input checked="" type="radio"/> 0=manual.1=auto <input type="radio"/> 0=auto.1=manual
	Number of output channels	<input checked="" type="radio"/> 2 channel(4 pipe) for heat/cool <input type="radio"/> 1 channel(2 pipe) for heat/cool
	After bus voltage recovery.setting is	<input checked="" type="radio"/> Follow preset <input type="radio"/> Restored before power down
	--Switch is	<input checked="" type="radio"/> OFF <input type="radio"/> ON

组对象 频道 参数

Parameter “Speed off/speed 1/speed 2/speed 3 (0...255)”

This parameter sets the fan coil wind speed off / wind speed 1 / wind speed 2 / wind speed 3 control value.

Range: 0... 255

Parameter “Auto/manual speed set”

This parameter sets the control value of automatic / manual wind speed.

Options: 0 = manual, 1 = auto

0 = auto, 1 = manual

Select "0 = manual, 1 = auto", 0 is manual wind speed, 1 is automatic wind speed, and the communication object "Speed auto" issues 01 when it is in automatic wind speed.

Select "0 = auto, 1 = manual", 0 is the automatic wind speed, 1 is the manual wind speed, and the communication object "Speed auto" issues 00 when it is in the automatic wind speed.

Parameter “Number of output channels”

This parameter sets the number of output pipes of the fan coil.

Options: 2 channel (4 pipe) for heat / cool

1 channel (2 pipe) for heat / cool

Select "2 channel (4 pipe) for heat / cool", set the number of output channels of the fan coil to 4 pipes, that is, the fan coil can have cooling and heating at the same time, activate the 2 communication objects "Heating value (control)" "," Refrigeration value (control) ";

Select "1 channel (2 pipe) for heat / cool", set the number of output channels of the fan coil to 2 pipes, then only one of the cooling and heating in the fan coil can exist, activate 1 communication object "Control value (control) ", whether it is cooling or heating can be set through the communication object" Mode active / inactive "(send 01 to this communication object to activate the cooling mode, send 03 to activate the heating mode)

Parameter “After bus voltage recovery, setting is”

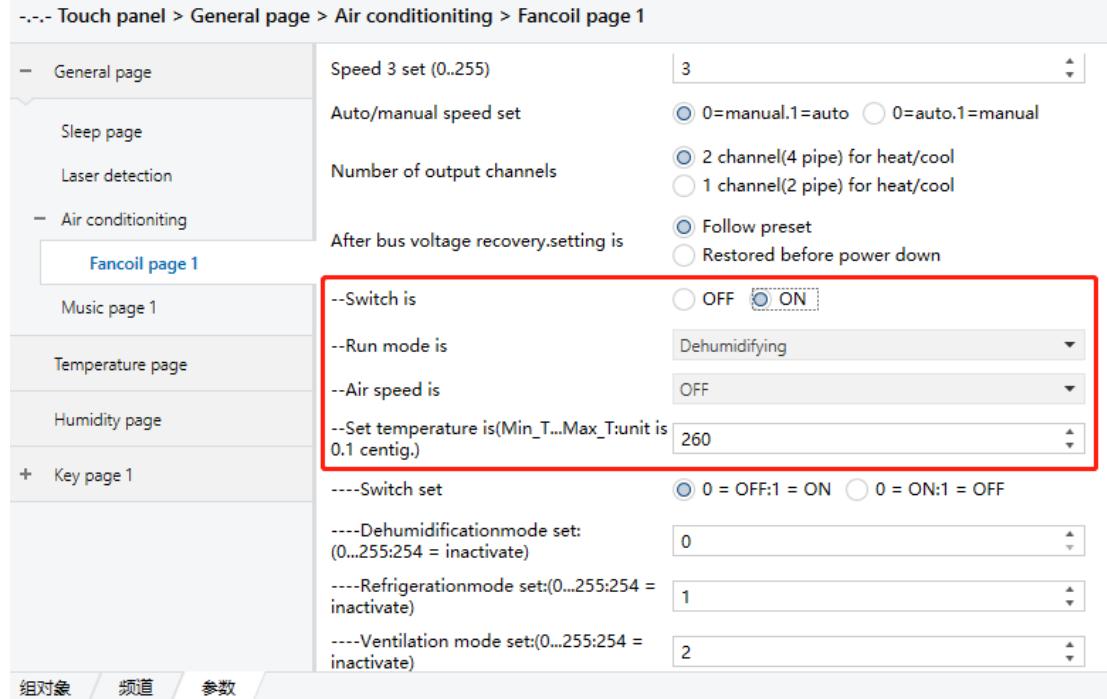
This parameter is used to set the state of the fan coil after the device bus restores power.

Optional: follow preset

restored before power down

Select "follow preset", and the state of the fan coil unit will be set according to the preset after the power supply of the device bus is restored, as set by the following 4 parameters, as shown in the

following figure:



Parameter “--Switch is”

This parameter sets the switch state of the fan coil.

Optional: off

on

Select "off", the switch state of the fan coil is off;

Select "on", the switch state of the fan coil is on.

Parameter “--Run mode is”

This parameter is used to set the operating mode of the fan coil.

Options: dehumidifying

refrigeration

ventilation

heating

Select "dehumidifying", the fan coil operation mode is dehumidification;

Select "refrigeration", the fan coil operation mode is cooling;

Select "ventilation", the fan coil operation mode is ventilation;

Select "Heating", the fan coil operation mode is heating.

Parameter “--Air speed is”

This parameter is used to set the wind speed of the fan tray.

Optional: off

speed 1

speed 2

speed 3

speed auto

Select "off", indicating that the wind speed of the fan coil is off;

Select "speed 1", indicating that the wind speed of the fan coil is equal to 1;

Select "speed 2", which means that the wind speed of the fan coil is equal to 2;

Select "speed 3", which means the wind speed of the fan coil is 3th class;

Select "speed auto" to set the wind speed of the fan tray to automatic wind speed.

Parameter “--Set temperature is(Min_T...Max_T: unit is 0.1centing)”

This parameter is used to set the set temperature of the fan coil.

Range: Within the range set by **Parameter "The minimum temperature is (Min_T: 1 ... 1000; unit is 0.1centing) and Parameter" The maximum temperature is (Max_T: 1 ... 1000; unit is 0.1centing)** ", Unit: 0.1 °C

Select "restored before power down" to save the state of the fan coil after the device bus is restored to the state before power failure.

Remote:

Parameter “Switch set”

This parameter sets the remote control value of the fan coil switch.

Options: 0 = OFF; 1 = ON

0 = ON; 1 = OFF

Select "0 = OFF; 1 = ON", when the communication object "Remote control switch, CH1" receives message 0, the fan coil switch status is off, and the received message 1 fan coil is on;

Select "0 = ON; 1 = OFF", the opposite.

When the screen displays "OFF" the communication object "Remote control switch" sends 00;

Select "0 = ON; 1 = OFF", the communication object "Remote control switch, CH1" sends 00 when the screen is turned on, and the communication object "Remote control switch" sends 01 when the screen displays "OFF".

Parameter “Dehumidification/Refrigeration/Ventilation/Heating mode set (0...255;254= inactivate)”

This parameter sets the remote control value of the fan coil operation mode. The communication object "Remote control mode" receives the remote control value set in the corresponding mode and enters the corresponding mode.

Range: 0... 255, 254 means disabled

Parameter “Setting of off/speed 1/speed 2/speed 3/speed auto(0...255;254= inactivate)”

This parameter sets the remote control value of the fan coil wind speed. The communication object "Remote control speed" receives the remote control value set by the corresponding wind speed and enters the corresponding wind speed level.

Range: 0... 255, 254 means disabled

Feedback (Fan coil) :**Parameter “Speed object set”**

This parameter sets the object type of the wind speed feedback value.

Available options: 1bit

1byte

Select "1bit", the object type of wind speed feedback value is 1bit, and the communication objects are "Speed 1 (feedback)", "Speed 2 (feedback)", "Speed 3 (feedback)";

Select "1byte", the object type of wind speed feedback value is 1byte, and the communication object is "Speed 1byte (control)". Activate 4 parameters, as shown below:

... Touch panel > General page > Air conditioniting > Fancoil page 1

- General page	----Speed 1 set:(0..255)	1
Sleep page	----Speed 2 set:(0..255)	2
Laser detection	----Speed 3 set:(0..255)	3
- Air conditioniting	----Speed auto set:(0..255)	4
Fancoil page 1	Speed object set:	<input type="radio"/> 1 bit <input checked="" type="radio"/> 1 byte
Music page 1	--Speed off set:(0..255)	0
Temperature page	--Speed 1 set:(0..255)	1
Humidity page	--Speed 2 set:(0..255)	2
+ Key page 1	--Speed 3 set:(0..255)	3
	----Switch set:	<input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> [0 ... 255] = OFF
	----Dehumidificationmode set:(0..255)	0
	----Refrigerationmode set:(0..255)	1
	----Ventilation mode set:(0..255)	2
	----Heating mode set:(0..255)	3

组对象 频道 参数

Parameter “Speed off/speed 1/speed 2/speed 3 (0...255)”

This parameter sets the feedback value of fan coil wind speed off / wind speed 1 / wind speed 2 / wind speed 3 speed.

Range: 0 ... 255

Feedback:

Parameter “Switch set”

This parameter sets the feedback value of the fan panel switch.

Options: 0 = OFF; 1 = ON

0 = ON; 1 = OFF

Select "0 = OFF; 1 = ON", turn on the air conditioner by tapping the screen, the communication object "Feedback switch, CH1" sends 01, turn off the air conditioner, the communication object "Feedback switch, CH1" sends 00;

Select "0 = ON; 1 = OFF", the opposite.

Parameter “Dehumidification/Refrigeration/Ventilation/Heating mode set (0...255;254=inactive)”

This parameter sets the feedback value of the fan coil working mode (dehumidification / cooling / ventilation / heating). By clicking the screen to modify the mode, the communication object

"Feedback mode, CH1" sends the corresponding feedback value to the bus.

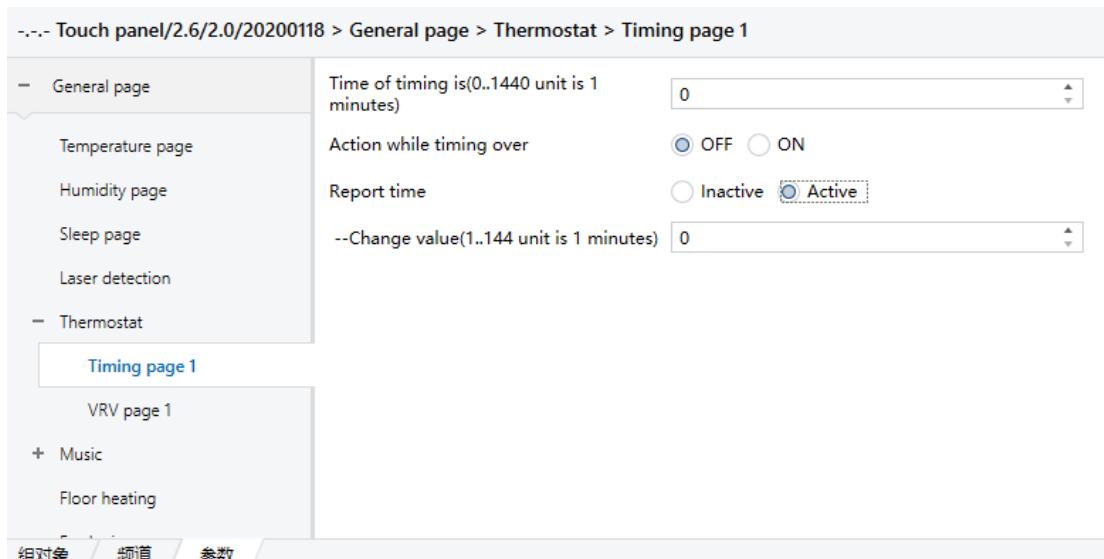
Range: 0... 255, 254 does not work

Parameter “Speed off/speed 1/speed 2/speed 3/speed auto set(0...255;254= inactivate)”

This parameter sets the feedback value of the fan coil wind speed (wind speed off / wind speed 1 / wind speed 2 / wind speed 3 / automatic wind speed). Modify the wind speed by clicking the screen, and the communication object "Feedback control speed, CH1" sends the corresponding feedback value to the bus.

Range: 0... 255, 254 does not work

3.2.3.3 Parameter “Timing page 1”



Parameter “Time of timing is(1...144;0:invalid;unit is 1 minutes)”

This parameter is used to set the timing time. The communication object is "Timing". Sending 1 to the communication object means that the timing is 1 minute.

Range: 1 ... 144, 0 is invalid, unit: 1 minute

Parameter “Action while timing over”

This parameter is used to set the state of the device when the timer expires.

Optional: off

on

Select "off", and the air conditioner switch will be off when the timer expires;

Select "on", and the air conditioner switch is on when the timer expires.

Parameter “Report time”

This parameter sets whether to activate the timing report function.

Optional: inactive

active

If you select "activated", activate the timing report function, activate the parameter "**change value (1 ... 144 / 1min)**", set how long when the timing time changes, then send a message to report the current timing time, the communication object is " Timing report ".

3.2.4 Parameter “Music”

Remarks: Each channel of the music function is the same. Channel 1 is used as an example to introduce in detail.

The screenshot shows the software's navigation path: -.- Touch panel/2.6/2.0/20200118 > General page > Music. The left sidebar lists various pages: Humidity page, Sleep page, Laser detection, Thermostat, Music, Floor heating, Fresh air, Channel 1, Key page 1, and Key page block 1. The 'Music' page is currently selected. At the top right, there is a numeric input field labeled '--The number of music channel setting' with the value '1'. Below the input field are up and down arrow buttons. At the bottom of the screen, there are three tabs: '组对象' (Object Group), '频道' (Channel), and '参数' (Parameter). The '参数' tab is highlighted.

Parameter “—the number of music channel setting”

This parameter is enabled when the music function is activated and is used to set the number of music channels.

Range: 1... 6

-.- Touch panel > General page > Music page 1

- General page	Move previous and move next set	<input checked="" type="radio"/> Move previous = 0:Move next = 1 <input type="radio"/> Move previous = 1:Move next = 0
Sleep page	Play control value set	<input checked="" type="radio"/> Play = 0 : Stop = 1 <input type="radio"/> Play = 1 : Stop = 0
Laser detection	Play feedback value set	<input checked="" type="radio"/> Play = 0 : Stop = 1 <input type="radio"/> Play = 1 : Stop = 0
+ Air conditioniting	Mute control value set	<input checked="" type="radio"/> Disable = 0 : Enable = 1 <input type="radio"/> Disable = 1 : Enable = 0
Music page 1	Mute feedback value set	<input checked="" type="radio"/> Disable = 0 : Enable = 1 <input type="radio"/> Disable = 1 : Enable = 0
Temperature page	Local music value setting	0
Humidity page	Bluetooth music value setting	1
+ Key page 1	Network music value setting	2

组对象 频道 参数

Parameter “Move previous and move next set”

This parameter is used to set the setting value of switching to the previous song and the next song. The communication object is "move previous / next, CH1".

Optional: move previous = 0; move next = 1

move previous = 1; move next = 0

Select "move previous = 0; move next = 1", the communication object "move previous / next, CH1" will send 0 when switching to the previous track, and the communication object "move previous / next, CH1" will send 1 when switching to the next track ;

Select "Move previous = 1; move next = 0", the opposite.

Parameter “play control value set”

This parameter sets the control value of play / pause, the communication object is "play state control, CH1".

Optional: play = 0; stop = 1

play = 1; stop = 0

Select "play = 0; stop = 1", when playing music, the communication object "play state control, CH1" sends 0; when the music is paused, the communication object "play state control, CH1" sends 1;

Select "Play = 1; stop = 0", the opposite.

Parameter “play feedback value set”

This parameter sets the feedback value of play / pause. The communication object is "play state feedback, CH1".

Optional: play = 0; stop = 1

play = 1; stop = 0

Select "play = 0; stop = 1", when the communication object "play state control, CH1" receives message 0, play music, and when the communication object "play state control, CH1" receives message 1, pause the music;

Select "Play = 1; stop = 0", the opposite.

Parameter “mute control value set”

This parameter sets the mute control value, and the communication object is "mute control, CH1".

Optional: disable = 0; enable = 1

disable = 1; enable = 0

Selecting "disable = 0; enable = 1" means that when exiting silent mode, the communication object "mute control, CH1" emits 0; when entering silent mode, the communication object "mute control, CH1" emits 1;

Select "disable = 1; enable = 0", the opposite.

Parameter “mute feedback value set”

This parameter sets the mute feedback value, and the communication object is "mute feedback, CH1".

Optional: disable = 0; enable = 1

disable = 1; enable = 0

Select "disable = 0; enable = 1", when the communication object "mute feedback, CH1" receives message 0, exits the silent mode, receives message 1, enters the silent mode

Select "disable = 1; enable = 0", the opposite.

Parameter “local music value setting”

This parameter sets the setting value when the sound source is local music.

Range: 0... 255

Parameter “Bluetooth music value setting”

This parameter sets the setting value when the sound source is Bluetooth music.

Range: 0... 255

Parameter “network music value setting”

This parameter sets the setting value when the audio source is network music.

Range: 0... 255

3.2.5 Parameter “Temperature page”

-.- Touch panel > Temperature page

+ General page	Temperature of source	<input checked="" type="radio"/> Local <input type="radio"/> External
Temperature page	Data type of the temperature value	<input checked="" type="radio"/> Integer <input type="radio"/> Floating point
Humidity page	Transmit current temperature value	Periodic
+ Key page 1	--Cycle is (1...255 unit : 1min)	10
	Calibration of temperature is	Addition
	--Calibration value is(0...255 unit is 0.1 centig.)	20
	Temperature alarm function of is	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
	--Upper limit of temperature is(1...1000 unit is 0.1 centig.)	320
	--Lower limit of temperature is(1...1000 unit is 0.1 centig.)	300
	--hysteresis of temperature alarm is (0...255 unit is 0.1 centig.)	5
	-if current temperature > upper.telegram value is	<input checked="" type="radio"/> 0 <input type="radio"/> 1
	--if current temperature < lower.telegram value is	<input type="radio"/> 0 <input checked="" type="radio"/> 1

组对象 频道 参数

Parameter “Temperature of source”

This parameter sets the detection source of the ambient temperature.

Optional: local

external

Select "local" to indicate that the ambient temperature detection source is the temperature and humidity sensor that comes with the panel;

Selecting "External" means that the source of the ambient temperature detection comes from the outside, and is accessed through the communication object "External temperature".

Parameter “data type of the temperature value”

Set the data type of the ambient temperature value.

Optional: integer

floating point

Select "integer" to indicate that the ambient temperature value is integer data;

Select "floating point" to indicate that the ambient temperature value is floating point data, and the locally collected ambient temperature data type is floating point type.

Parameter “transmit current temperature value”

Optional: none

after changed

periodic

Selecting "after changed" means that the current temperature value is sent to the bus when the current temperature changes. As for how much the current temperature value is reported, it is set by the parameter "—change value (1 ... 100 unit: 0.1centig.)".

Select "periodic" to periodically send the current temperature value to the bus. The cycle time is set by the parameter "Cycle is (1 ... 255, unit: 1min)".

Parameter “Calibration of temperature is”

Used to set whether to activate the function of calibrating the current temperature.

Optional: inactive

addition

subduction

Select "addition", the direction of the current temperature calibration is increasing; select "subduction", the direction of the current temperature calibration is subtracting, the calibration value is set by the parameter "Calibration value is (0 ... 255, unit is 0.1 centig)".

Parameter “temperature alarm function of is”

This parameter is used to set whether to activate the temperature alarm function.

Optional: inactive

active

Select "active" to activate the temperature alarm function, there are 5 relevant parameters, see below:

Parameter “—Upper limit of temperature is(1...1000;unit is 0.1centing)”

This parameter is used to set the upper limit of the temperature alarm. You can also modify the upper limit of the temperature through the communication object "Upper limit of temp.alarm".

Range: 1… 1000, unit: 0.1 °C

Parameter “Lower limit of temperature is(1...1000;unit is 0.1centing)”

This parameter is used to set the lower limit value of the temperature alarm, and the lower limit value of the temperature can also be modified through the communication object "Lower limit of temp.alarm".

Range: 1… 1000, unit: 0.1 °C

Parameter “Hysteresis of temperature alarm(0...255;unit is 0.1centing)”

This parameter is used to set the hysteresis value of the temperature alarm.

Range: 0… 255, unit: 0.1 °C

Parameter “If current temperature>upper, telegram value is”

This parameter is used to set the data sent if the current temperature is greater than the set upper temperature limit message.

Optional: "0"

"1"

Select "0", if the current temperature is greater than the set temperature upper limit, the data sent by the communication object "Temperature alarm status" will send 00.

Select "1", if the current temperature is greater than the set temperature upper limit message, the data sent by the communication object "Temperature alarm status" send 01.

Parameter “If current temperature<lower, telegram value is”

This parameter is used to set the data sent if the current temperature is lower than the set temperature lower limit message.

Optional: "0"

"1"

Select "0", if the current temperature is less than the set temperature lower limit message, the data sent by the communication object "Temperature alarm status" send 00.

Select "1", if the current temperature is less than the set temperature lower limit message, the data sent by the communication object "Temperature alarm status" send 01.

Note:

1. *The communication object "temp.alarm activate" is whether to activate the temperature alarm function. Writing 00 through the bus means turning off the temperature alarm function, and writing 01 means turning on the temperature alarm function.*
2. *As shown in the red box above, first write 01 to the temperature alarm function through the communication object "temp.alarm activate". Hysteresis 0.5 needs to be added, and the set lower temperature limit needs to be minus hysteresis 0.5), the communication object "Temperature alarm status" sends 00 (when the temperature is lower than 31.5 °C and then greater than 32.5 °C, the communication object "Temperature alarm status" is still 00 will be sent; when the temperature*

drops and is between 32 ° C and 31.5 ° C, again greater than 32.5 ° C, the communication object "Temperature alarm status" will not send 00); when the current temperature is less than the set lower temperature limit of 29.5 degrees , The communication object "Temperature alarm status" sends 01 (when the temperature is greater than 30.5 ° C and then less than 29.5 ° C, the communication object "Temperature alarm status" will still send 01; when the temperature increases and is between 30 ° C and 30.5 ° C, again Less than 29.5 ° C, the communication object "Temperature alarm status" will not send 01).

3.2.6 Parameter “Humidity page”

Humidity of source	<input checked="" type="radio"/> Local <input type="radio"/> External
Data type of the humidity value	<input checked="" type="radio"/> Integer <input type="radio"/> Floating point
Transmit current humidity value	None
Calibration of humidity is	Inactive
Humidity alarm function of is	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
--Upper limit of humidity is(1...1000 unit is 0.1%)	700
--Lower limit of humidity is(1...1000 unit is 0.1%)	500
--hysteresis of humidity alarm is(0...255 unit is 0.1%)	50
--if current humidity > upper.telegram value is	<input type="radio"/> 0 <input checked="" type="radio"/> 1
--if current humidity < lower.telegram value is	<input checked="" type="radio"/> 0 <input type="radio"/> 1

Parameter “Humidity of source”

This parameter sets the source of ambient humidity detection.

Optional: local

external

Select "local" to indicate that the source of ambient humidity detection is the temperature and humidity sensor that comes with the panel;

Select "External" to indicate that the source of the ambient humidity detection comes from the outside, and access it through the communication object "External humidity".

Parameter “data type of the Humidity value”

Set the data type of the ambient humidity value.

Optional: integer

floating point

Select "integer" to indicate that the ambient humidity value is integer data;

Select "floating point" to indicate that the ambient humidity value is floating point data, and the local collected ambient humidity data type is floating point type.

Parameter “transmit current humidity value”

Optional: none

after changed

periodic

Select "after changed" to send the current humidity value to the bus when the humidity changes.

As for how much the current humidity value is reported, it is set by the parameter "—change value (1 ... 100 unit: 0.1centig.)".

Select "periodic" to periodically send the current humidity value to the bus. The cycle time is set by the parameter "Cycle is (1 ... 255, unit: 1min)".

Parameter “Calibration of humidity is”

Used to set whether to activate the function of calibrating the humidity value.

Optional: inactive

addition

subduction

Select "addition", the direction of calibration is to increase; select "subduction", the direction of calibration is to subtract, the calibration value is set by the parameter "Calibration value is (0 ... 255, unit is 0.1 centig)"

Parameter “Humidity alarm function of is”

This parameter is used to set whether to activate the humidity alarm function.

Optional: inactive

active

Select "active" to activate the humidity alarm function, there are 5 relevant parameters, see below:

Parameter “—Upper limit of Humidity is(1...1000;unit is 0.1centing)”

This parameter is used to set the upper limit of the humidity alarm, and the upper limit of humidity can also be modified through the communication object "Upper limit of humidity alarm".

Range: 1... 1000, unit: 0.1 °C

Parameter “Lower limit of humidity is(1...1000;unit is 0.1centing)”

This parameter is used to set the lower limit value of the humidity alarm, and the lower limit value of the humidity can also be modified through the communication object "Lower limit of humidity alarm".

Range: 1... 1000, unit: 0.1 °C

Parameter “Hysteresis of humidity alarm(0...255;unit is 0.1centing)”

This parameter is used to set the hysteresis value of the humidity alarm.

Range: 0... 255, unit: 0.1 °C

Parameter “If current humidity>upper, telegram value is”

This parameter is used to set the data sent if the current humidity is greater than the set humidity upper limit message.

Optional: "0"

"1"

Select "0", if the current humidity is greater than the set humidity upper limit, the communication object "humidity alarm status" will send 00;

Select "1", if the current humidity is greater than the set humidity upper limit, the communication object "humidity alarm status" sends 01.

Parameter “If current humidity<lower, telegram value is”

This parameter is used to set the data sent if the current humidity is less than the set humidity lower limit message.

Optional: "0"

"1"

Select "0", if the current humidity is lower than the set humidity lower limit, the communication object "humidity alarm status" will send 00;

Select "1", if the current humidity is lower than the set humidity lower limit, the communication object "humidity alarm status" sends 01.

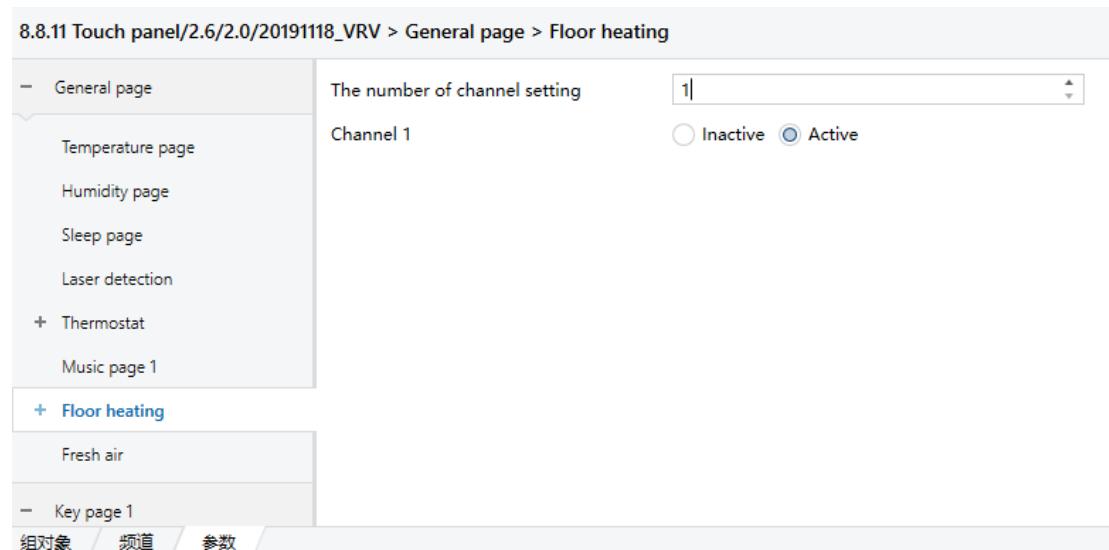
Note:

1. The communication object "humidity alarm activate" is whether to activate the humidity alarm

function. Writing 00 through the bus means turning off the humidity alarm function, and writing 01 means turning on the humidity alarm function.

2. As shown in the figure above, write 01 to the humidity object via the communication object "Humility alarm activate" to start the humidity alarm function. When the current humidity is greater than the set humidity upper limit value of 75% (the set humidity upper limit value needs to add lag 5% , The set lower limit of humidity needs to be deducted by 5%), the communication object "Humility alarm status" sends 01; when the current humidity is less than the set humidity lower limit value of 45%, the communication object "Humility alarm status" sends 00 .

3.2.7 Parameter “floor heating”



Parameter “the number of channel setting”

The floor heating function can set 1 ~ 10 channels. This parameter is used to set the number of floor heating channels.

Parameter “channel x”

This parameter sets whether to activate the floor heating channel.

Optional: inactive

active

Select "active" to activate the corresponding floor heating channel, the floor heating function setting interface "channel x" appears, as shown below:

8.8.11 Touch panel/2.6/2.0/20191118_VRV > General page > Floor heating > Channel 1

<ul style="list-style-type: none"> - General page Temperature page Humidity page Sleep page Laser detection Thermostat Music page 1 	<p>Switch value type set:(control) <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte --1bit value set: <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>Switch value type set: (feedback) <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte --1bit value set: <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>Switch value type set: (remote) <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte --1bit value set: <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>The minimum control values: (0..255) <input type="text" value="100"/></p> <p>The maximum control values: (0..255) <input type="text" value="200"/></p>
<ul style="list-style-type: none"> - Floor heating Channel 1 Fresh air 	<p>Floor heating temperature of the source <input checked="" type="radio"/> Local <input type="radio"/> External</p> <p>Calibration of temperature is <input type="button" value="Inactive"/></p> <p>Automatic function <input checked="" type="radio"/> Inactive <input type="radio"/> Active</p> <p>Thermostat control actuator <input checked="" type="radio"/> Inactive <input type="radio"/> Active</p> <p>Set temperature increases or decreases value <input type="text" value="1.0"/></p> <p>If switch on.whether reading data: <input checked="" type="radio"/> Inactive <input type="radio"/> Active</p> <p>After bus voltage recovery.setting is <input checked="" type="radio"/> Follow preset <input type="radio"/> Restored before power down</p> <p>--Floor heating is switch: <input checked="" type="radio"/> OFF <input type="radio"/> ON</p>
<input type="button" value="组对象"/> <input type="button" value="频道"/> <input type="button" value="参数"/>	

Parameter “switch value type set(control)”

Parameter “switch value type set(feedback)”

Parameter “switch value type set(remote)”

These parameters set the switch control value, feedback value and remote control value of the floor heating. Their data types are 1bit and 1byte. The specific control value is set by the parameter "1bit / 1byte value set".

Parameter “the minimum control values”

Parameter “the maximum control values”

This parameter is used to set the minimum and maximum values of the floor heating setting temperature.

Range: 1 ... 1000, unit: 0.1 °C

Parameter “Floor heating temperature of the source”

This parameter is used to set the source of the current temperature of the floor heating.

Available options: Local

External

Select "Local", the current temperature of the floor heating adopts the actual temperature detected by the device's own sensor;

Select "External", the current temperature of the floor heating uses the external temperature, and the communication object is "External current temperature".

Remark: When "External" is selected for this parameter, the temperature can also be calibrated.

Parameter “Calibration of temperature is”

This parameter is used to set whether to calibrate the local temperature.

Available options: Inactive

Addition

Subduction

Select "Inactive", do not calibrate the local temperature of the floor heating;

Select "Addition" to calibrate the local temperature of the floor heating, the calibration method is increment, and the calibration deviation value is set by the parameter "-value of addition (0 ... 255 / 0.1 centig)";

Select “Subduction” to calibrate the local temperature of the floor heating. The calibration method is minus. The calibration deviation value is set by the parameter “—value of subduction (0 ... 255 / 0.1 centig)”.

Parameter “automatic function”

This parameter sets whether to enable the automatic function.

Optional: inactive

active

Select "Enable" to enable the automatic function and activate 2 parameters, as shown in the following figure:

8.8.11 Touch panel/2.6/2.0/20191118_VRV > General page > Floor heating > Channel 1

<ul style="list-style-type: none"> - General page Temperature page Humidity page Sleep page Laser detection Thermostat Music page 1 - Floor heating <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;">Channel 1</div> <ul style="list-style-type: none"> Fresh air <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;">+ Key page 1</div>	<p>The maximum control values: (0..255) <input type="text" value="200"/></p> <p>Floor heating temperature of the source <input checked="" type="radio"/> Local <input type="radio"/> External</p> <p>Calibration of temperature is <input type="text" value="Subduction"/></p> <p>--value of subduction(0...255/0.1 centig.) <input type="text" value="20"/></p> <p>Automatic function</p> <p><input type="radio"/> Inactive <input checked="" type="radio"/> Active</p> <p>--Switch ON when<=(1...1000/0.1 centig.) <input type="text" value="265"/></p> <p>--Switch OFF when>=(1...1000/0.1 centig.) <input type="text" value="280"/></p> <p>Thermostat control actuator</p> <p><input checked="" type="radio"/> Inactive <input type="radio"/> Active</p> <p>Set temperature increases or decreases value <input type="text" value="1.0"/></p> <p>If switch on.whether reading data: <input checked="" type="radio"/> Inactive <input type="radio"/> Active</p> <p>After bus voltage recovery.setting is <input checked="" type="radio"/> Follow preset <input type="radio"/> Restored before power down</p> <p>--Floor heating is switch: <input checked="" type="radio"/> OFF <input type="radio"/> ON</p>
--	---

Parameter “--Switch ON when<=(1...1000/0.1 centig.)”

This parameter is used to set the floor heating switch status to on when the local temperature is less than or equal to.

Range: 1 ... 1000, unit: 0.1 °C

Parameter “Switch OFF when>=(1...1000/0.1 centig.)”

This parameter is used to set the floor heating switch status to off when the local temperature is greater than or equal to.

Range: 1 ... 1000, unit: 0.1 °C

Parameter “Thermostat control Actuator”

This parameter is used to set whether to enable the constant temperature automatic control device.

Optional: inactive

active

Select "active" to enable the constant temperature automatic control device and activate 5 parameters, as shown in the following figure:

8.8.11 Touch panel/2.6/2.0/20191118_VRV > General page > Floor heating > Channel 1

<ul style="list-style-type: none"> - General page Temperature page Humidity page Sleep page Laser detection Thermostat Music page 1 <ul style="list-style-type: none"> - Floor heating Channel 1 Fresh air <ul style="list-style-type: none"> + Key page 1 	<p>Automatic function <input type="radio"/> Inactive <input checked="" type="radio"/> Active</p> <p>--Switch ON when<= (1...1000/0.1 centig.) <input type="text" value="265"/></p> <p>--Switch OFF when>= (1...1000/0.1 centig.) <input type="text" value="280"/></p> <p>Themostat control actuator <input type="radio"/> Inactive <input checked="" type="radio"/> Active</p> <p>--Control actuator cycle time (20...1000/ min) <input type="text" value="20"/></p> <p>--Actuator 100% on when temperature distance>= <input type="text" value="4.0 Degree"/></p> <p>--Control object type <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte</p> <p>--Switch on value <input checked="" type="radio"/> Send 0 <input type="radio"/> Send 1</p> <p>--Switch off value <input type="radio"/> Send 0 <input checked="" type="radio"/> Send 1</p> <p>Set temperature increases or decreases value <input type="text" value="1.0"/></p> <p>If switch on.whether reading data: <input checked="" type="radio"/> Inactive <input type="radio"/> Active</p> <p>After bus voltage recovery.setting is <input checked="" type="radio"/> Follow preset <input type="radio"/> Restored before power down</p>
--	--

Parameter “—Control acutuator cycle time(20...1000/minute)”

该参数用于设置控制装置的周期时间。

范围: 20...1000, 单位: 分钟

This parameter is used to set the cycle time of the control device.

Range: 20 ... 1000, unit: minute

Parameter “—Actuator 100% on when Temperature distan>=”

This parameter is used to set the degree to which the temperature of the control device can change during the period.

Available options: 0.5 degree

1 degree

1.5 degree

2 degree

2.5 degree

3 degree

3.5 degree

4 degree

Select "0.5 / 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 degree", when the current temperature is less than the set temperature 0.5 / 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 °C, the communication object "control value 1bit / byte "sends the setting value of the parameter" --Switch ON value ", after the current temperature

reaches the setting temperature, sends the setting value of the parameter " --Switch OFF value ", and after one cycle time expires, it continues to start the detection control of the next cycle, in order to By analogy ... The time when the current temperature reaches the set temperature is determined by the parameter "—Control acutuator cycle time (20 ... 1000 / minute)".

Note:

*The time when the current temperature reaches the set temperature = cycle time / degrees that the temperature can be changed * (set temperature-current temperature)*

Cycle time: set by parameter "—Control acutuator cycle time (20 ... 1000 / minute)"

The degree that the temperature can be changed: set by the parameter "—Actuator 100% on when Temperature distan> ="

Parameter “—Control Object type”

This parameter is used to set the data type of the control value.

Available options: 1bit

1byte

Parameter “--Switch ON value”

This parameter is used to set the data to turn on floor heating.

Range: 0 ... 1/0 ... 255

Parameter “--Switch OFF value”

This parameter is used to set the data to turn off floor heating.

Range: 0 ... 1/0 ... 255

Parameter “set temperature increases or decreases value”

This parameter is used to set the increase or decrease of the setting temperature modified by the touch screen.

Optional: 0.1

0.5

1.0

Parameter “if switch on, whether reading data”

This parameter sets whether to read the floor heating setting temperature when the floor heating is

turned on.

Available options: OFF

ON

Select "ON", it means to read the set temperature of the floor heating when it is turned on.

Parameter “After bus voltage recovery,setting is”

This parameter is used to set the state of underfloor heating after power is restored to the device bus.

Optional: Follow preset

Restored before powerdown

Select "Follow preset", and the state of the floor heating after the device bus restores power supply according to the setting;

Parameter “--Switch setting”

This parameter sets the on / off state of the floor heating after the device bus restores power.

Available options: OFF

ON

Select "OFF" to turn off the floor heating switch after the device bus is restored;

Select "ON", the floor heating switch is on after the device bus returns to power supply.

3.2.8 Parameter “fresh air”

Light Control

... Touch panel/2.6/2.0/20200118 > General page > Fresh air > Channel 1

<ul style="list-style-type: none"> - General page Temperature page Humidity page Sleep page Laser detection + Thermostat + Music - Floor heating - Fresh air Channel 1 - Key page 1 Key page block 1 	<p>After bus voltage recovery, setting is <input style="width: 100px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="OFF"/> <input checked="" type="radio"/> Inactive <input type="radio"/> Active</p> <p>Switch set <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>--Switch type(control) <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>--Switch type(feedback) <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>--1 bit <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>--Mode set <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>--Mode type(control) <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>--Mode type(feedback) <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>--Mode type(remote) <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>--1 bit <input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte <input checked="" type="radio"/> 0 = OFF:1 = ON <input type="radio"/> 0 = ON:1 = OFF</p> <p>Speed off <input checked="" type="radio"/> Inactive <input type="radio"/> Active --Speed off(control): (0...255) <input style="width: 50px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="0"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▲"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▼"/> --Speed off(feedback): (0...255) <input style="width: 50px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="0"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▲"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▼"/> --Speed off(remote): (0...255) <input style="width: 50px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="0"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▲"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▼"/></p> <p>Speed 1 <input checked="" type="radio"/> Inactive <input type="radio"/> Active --Speed 1(control): (0...255) <input style="width: 50px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="1"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▲"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▼"/> --Speed 1(feedback): (0...255) <input style="width: 50px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="1"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▲"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▼"/> --Speed 1(remote): (0...255) <input style="width: 50px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="1"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▲"/> <input style="width: 20px; height: 20px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="▼"/></p> <p>Speed 2 <input checked="" type="radio"/> Inactive <input type="radio"/> Active</p>
--	---

--Speed 2(control): (0...255)	<input type="text" value="2"/>
--Speed 2(feedback): (0...255)	<input type="text" value="2"/>
--Speed 2(remote): (0...255)	<input type="text" value="2"/>
Speed 3	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
--Speed 3(control): (0...255)	<input type="text" value="3"/>
--Speed 3(feedback): (0...255)	<input type="text" value="3"/>
--Speed 3(remote): (0...255)	<input type="text" value="3"/>
Speed 4	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
--Speed 4(control): (0...255)	<input type="text" value="4"/>
--Speed 4(feedback): (0...255)	<input type="text" value="4"/>
--Speed 4(remote): (0...255)	<input type="text" value="4"/>
Speed 5	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
--Speed 5(control): (0...255)	<input type="text" value="5"/>
--Speed 5(feedback): (0...255)	<input type="text" value="5"/>
--Speed 5(remote): (0...255)	<input type="text" value="5"/>

组对象 / 频道 / **参数**

Parameter “After bus voltage recovery,setting is”

This parameter is used to set the state of fresh air after the bus returns to power supply.

Available options: OFF

Speed 1

Speed 2

Speed 3

Speed 4

Speed 5

Auto

Last state

Parameter “Switch set”

This parameter is used to set whether to activate the fresh air switch setting.

Optional: inactive

active

Select "active" to activate the fresh air switch setting.

Parameter “—Switch type (control/ feedback/ remote)”

Parameter “1bit” / Parameter “1byte”

Set the control value, feedback value and remote value corresponding to the fresh air switch.

Parameter “Mode set”

This parameter sets whether to activate the mode setting function.

Optional: inactive

active

Select "active" to activate the mode setting function.

Parameter “Mode type(control/feedback/remote)”

Parameter “1bit” / Parameter “1byte”

Set the control value, feedback value and remote control value corresponding to automatic mode and manual mode.

Available options: 1 bit

1 byte

Parameter “Speed off/1/2/3/4/5”

This parameter is used to set whether to activate wind speed off / 1/2/3/4/5.

Optional: inactive

active

Select "active" to activate the function.

Parameter “—Speed off/1/2/3/4/5(control)”

This parameter is used to set the value of the message sent by the communication object "Speed" when the fresh air speed is off / 1/2/3/4/5 by pressing the button or the remote control object.

Range: 0 ... 255

Parameter “—Speed off/1/2/3/4/5(feedback)”

This parameter is used to set the message value to be written to the communication object "Speed, Feedback" when the fresh air speed is off / 1/2/3/4/5.

Range: 0 ... 255

Parameter “—Speed off/1/2/3/4/5(remote)”

This parameter is used to set the value of the message to be written to the remote control object "Speed, Remote" when the fresh air speed is off / 1/2/3/4/5.

Range: 0 ... 255

3.5 Parameter “Key page block x”

The function of this interface is to set how many modules (up to 6 modules) each page on the panel consists of, and define the function of each module.

Remarks: x represents the number of pages, the range of x is set according to the parameter "set the number of key pages" in the parameter setting interface "General page", the maximum range is 1 ... 10

z represents the number of modules on the page, the range of z is set according to the parameter "The number of key setting", the maximum range is 1 ... 6;

-.- Touch panel > Key page 1 > Key page block 1

+ General page	The number of key setting	6
Temperature page	Function of key 1_1 is	Dimmer
Humidity page	Function of key 1_2 is	Shutter
- Key page 1	Function of key 1_3 is	Air conditioning
- Key page block 1	Function of key 1_4 is	Music
Key 1_1 dimmer page	Function of key 1_5 is	Scene
Key 1_2 shutter page	Function of key 1_6 is	Switch value
Key 1_3 air conditioniting page		
Key 1_4 music page		
Key 1_5 scene page		
Key 1_6 switch value page		
+ Key page 2		
+ Key page 3		

组对象 频道 参数

Parameter “The number of key setting”

This parameter is used to set the number of modules on the page

Range: 1 ... 6

Parameter “Function of key x_z”

This parameter is used to set the function of the module.

Optional: Inactive

Dimmer

Shutter

Thermostat

Music

Scene

Switch value

Environmental detection display

Jump page

Select "Dimmer" to indicate that the function of the module is dimming;

Select "Shutter" to indicate that the function of the module is curtain;

Select "Thermostat" to indicate that the function of the module is the air conditioning adjustment function;

Select "Music" to indicate that the function of the module is music;

Select "Scene" to indicate that the function of the module is a scene;

Select "Switch value" to indicate that the function of the module is to open or close;

Select "Environmental detection display" to indicate that the function of the module is environmental detection;

Select "Jump page" to indicate that the function of the module is to jump to the specified page.

3.5.1 Parameter “key x_z dimmer page”

-.- Touch panel/2.6/2.0/20200118 > Key page 1 > Key page block 1 > Key 1_1 dimmer page

Temperature page	Dimming type	<input checked="" type="radio"/> Common dimming <input type="radio"/> RGB dimming
Humidity page	Short press is	<input checked="" type="radio"/> Switch ON/OFF <input type="radio"/> Enter dimmer interface
Sleep page	Value of dimmer on/off is	Toggle
Laser detection	Long press is	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
+ Thermostat	Time of long press(1...10s)	1
+ Music	Long press is	<input type="radio"/> Switch ON/OFF <input checked="" type="radio"/> Enter dimmer interface
+ Floor heating	Dimming value interval to send	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
+ Fresh air	--Interval time(1...15/100ms)	1
- Key page 1	Display current brightness	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
- Key page block 1	Icon setting	Common lamp
Key 1_1 dimmer page	Title display	<input checked="" type="radio"/> Default <input type="radio"/> User defined

组对象 频道 参数

Parameter “Dimming type”

This parameter is used to set the dimming mode.

Optional: Common dimming

RGB dimming

Select "Common dimming", the dimming mode is ordinary dimming;

Select "RGB dimming", the dimming mode is RGB dimming.

Parameter “short press is”

This parameter sets the function implemented by short-pressing the corresponding dimming module on the page.

Options: Switch ON / OFF

Enter dimmer interface

Selecting "Enter dimmer interface" means that the function realized by short pressing is to enter the dimming interface;

Selecting "Switch ON / OFF" means that the function realized by short pressing is the switch dimming function, and the parameter "value of dimming on / off is" appears;

Parameter “value of dimming on/off is”

Correspondence is "dimmer on / off for short K_x_z"

Optional: Toggle

On

Off

Select "Toggle", short press the corresponding dimming module on the page to send data 01,00,01,00,01,00 ...;

Select "ON", short press the corresponding dimming module in the page to send data 01;

Select "OFF", short press the corresponding dimming module on the page to send data 00.

Parameter “long press is”

This parameter sets whether to activate the long press function.

Optional: Disable

Enable

Select "Enable" to activate the long press function and activate the following 2 parameters:

Parameter “time of long press(1...10s)”

This parameter sets the long press time, that is, long press? The corresponding dimming module on the second page is determined to be a long press.

Range: 1 ... 10, unit: second

Parameter “long press is”

This parameter is used to set the function implemented by the long press- corresponding dimming module on the page.

Options: Switch ON / OFF

Enter dimmer interface

The long press function options are similar to the short press function, refer to the short press function introduction.

Parameter “dimming value interval to send”

This parameter sets whether to activate the function of sending dimming values at intervals.

Optional: Disable

Enable

Select "Enable" to enter the dimming interface. Click or drag the dimming progress bar. The communication object "dimmer value K x_z" will send the dimming value to the bus at intervals. The interval time is determined by the parameter "-interval time (1... 15 / 100ms) "Settings.

Parameter “display current brightness”

This parameter sets whether the corresponding dimming module on the page displays the current dimming value.

Optional: Disable

Enable

Parameter “icon setting”

The dimming icon of the corresponding dimming module in this parameter setting page.

Available options: Common lamp

Ceiling lamp

Dining lamp

Canister lamp

Wall lamp

Lamp with

Foot lamp

Spotlight

Table lamp

Night light

Reading light

RGB light

User defined

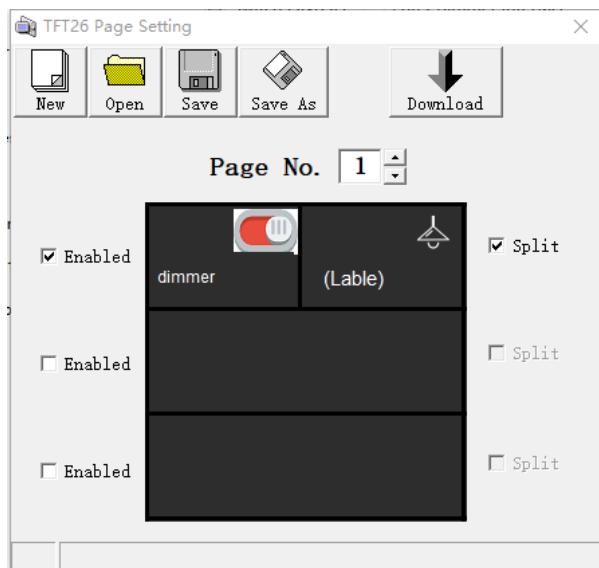
When selecting a fixed icon, the title can choose to use the default title, or custom, set by the parameter "Icon display";

When "User defined" is selected, the title is also forced to be customized, which means that the icon and title of the corresponding dimming module on the page are customized, which can be modified by the host computer.

As an example, the first page of the panel has 6 modules, and the first module has a custom icon;

Modify the custom icon operation process:

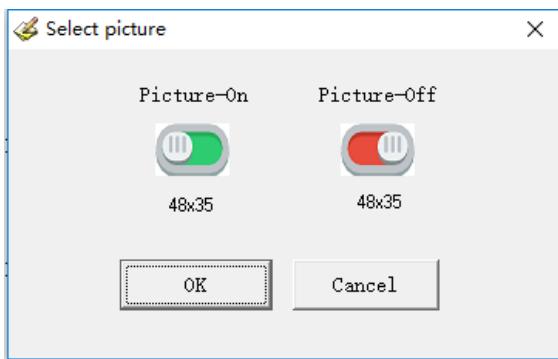
1. Open the software TFT26_Page_Setting_V1.3.exe, as shown below:



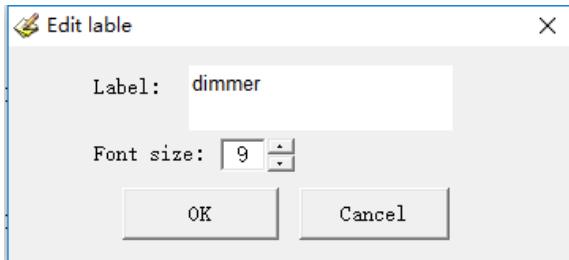
2. Distinguish modules: You need to check the "Enabled" and "Split" combo boxes on the first row of page 1 to indicate that there are 2 modules on the first row;

3. Set the icon: Click the icon of the first module in the first row, and the select picture window (as shown in the figure below) pops up, set the pictures of "picture-on" and "picture-off", and click "ok" after the settings are completed back to main interface;

*Note: Picture format resolution 48 * 35*



4. Set the label: Click the label of the first module in the first row, pop up the "edit label" window (as shown in the figure below), fill in the "label", and set the label font size, click "ok" to return to the main interface;



5. Download: Long press the panel programming button (or long press the panel setting button, the programming button operation page appears, long press the "Updata program" module), until the programming button flashes red (while the screen is black), the panel and computer are directly used USB cable connection, click on the download icon  of the software to download the custom icon to the panel

3.5.2 Parameter “key x_z shutter page”

-.- Touch panel/2.6/2.0/20200118 > Key page 1 > Key page block 1 > Key 1_1 shutter page

- General page	Short press is	Move function
Temperature page	Direction of shutter move is	Toggle(up:0/down:1)
Humidity page	Long press is	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Sleep page	Time of long press(1...10s)	1
Laser detection	Long press is	Enter curtain interface
+ Thermostat	Curtain interface: Move key	<input checked="" type="radio"/> Move up = 0:Move down = 1 <input type="radio"/> Move up = 1:Move down = 0
+ Music	Curtain interface: Adjuste key	0
+ Floor heating	Curtain interface: Height key	<input type="radio"/> NO <input checked="" type="radio"/> YES
+ Fresh air	Curtain interface: Slat key	<input type="radio"/> NO <input checked="" type="radio"/> YES
- Key page 1	Display shutter position	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
- Key page block 1	Icon seeting	Shutter
Key 1_1 shutter page	Title display	<input checked="" type="radio"/> Default <input type="radio"/> User defined

组对象 频道 参数

Parameter “Short press is”

This parameter sets the function implemented by short pressing-the corresponding curtain module on the page.

Optional: Move function

Adjuste function

Enter curtain interface

Select "Move function" means short press to realize the curtain movement function, activate the parameter "Direction of shutter move is";

Select "Adjuste function" means short press to realize the curtain angle adjustment function, activate the parameter "Adjust lamella value setting";

Select "Enter curtain interface" means short press to enter the curtain adjustment interface.

Parameter “Direction of shutter move is”

Optional: Toggle (up: 0 / down: 1)

Up (teleg.value is 0)

Down {teleg.value is 1}

Select "Toggle (up: 0 / down: 1)", short press the module, the communication object "Move shutter K_x_z" sends data 01, moves the curtain down, and sends data 00 to move the curtain up;

Select "Up (teleg.value is 0)", short press the module, the communication object "Move shutter K_x_z" sends data 00, and move the curtain up;

Select "Down (teleg.value is 1)", short press the module, the communication object "Move shutter K_x_z" sends data 01, and move the curtain down.

Note: Under the curtain module, when the curtain moves up to the top, the curtain icon is displayed in white, the curtain position is not at the top, and the curtain icon is displayed in yellow.

Parameter “Adjust lamella value setting”

Optional: 0

1

toggle (0/1)

Select "0", short press the module, the communication object "Adjust lamella of shutter K_x_z" sends data 00.

Select "1", short press the module, the communication object "Adjust lamella of shutter K_x_z" sends data 01.

Select "toggle (0/1)", short press the module, the communication object "Adjust lamella of shutter K_x_z" sends data 01, 00, 01, 00 ... in sequence.

Note: The adjust function does not affect the curtain icon.

Parameter “Long press is”

This parameter sets whether to activate the long press function.

Optional: Disable

Enable

Select "Enable" to activate the long press function and activate the following 2 parameters:

Parameter “time of long press(1...10s)”

This parameter sets the long press time, that is, long press? second-the corresponding curtain module on the page-is determined to be a long press.

Range: 1... 10, unit: second

Parameter “Long press is”

This parameter is used to set the function implemented by long press-corresponding curtain module on the page.

Optional: Move function

Adjust function

Enter curtain interface

The long press function options are similar to the short press function, refer to the short press function introduction.

Parameter “curtain interface: move key”

This parameter defines the function of the “ \wedge ” or “ \vee ” icon in the curtain interface, and the communication object is “Move shutter” .

Optional: Move up = 0; Move down = 1

Move up = 1; Move down = 0

Select "Move up = 0; Move down = 1", click the " \wedge " icon to indicate that the curtain moves to the top (0%), and the " \vee " icon indicates that the curtain moves to the bottom (100%);

Select "Move up = 1; Move down = 0", click the " \wedge " icon to indicate that the curtain moves to the bottom (100%), and the " \vee " icon indicates that the curtain moves to the top (0%).

Parameter “curtain interface: adjust key”

This parameter sets the output message of the pause button under the curtain interface, and the communication object is "Adjust lamella of shutter".

Optional: 0

1

Toggle (0/1)

Parameter “curtain interface: Height key”

This parameter sets whether the Height scroll bar appears under the curtain interface to adjust the curtain height.

Optional: NO

YES

Parameter “curtain interface: Slat key”

This parameter sets whether the Slat scroll bar appears under the curtain interface to adjust the curtain Slat.

Optional: NO

YES

Parameter “Display shutter position”

This parameter sets whether the corresponding curtain module on the page displays the current curtain height / angle value.

Optional: Disable

Enable

Parameter “Icon seeting”

This parameter sets the curtain icon of the corresponding curtain module on the page.

Optional: Shutter

- Drape
- Electric curtain
- Gauze shade
- User defined

When selecting a fixed icon, the title can choose to use the default title, or custom, set by the parameter "Icon display";

Select "User defined", the title is also forced to be customized. For the operation process of the user to modify the custom icon and title, see the description of the "icon setting" parameter in the "3.5.1 parameter setting interface key x_z dimmer page" parameter.

3.5.3 Parameter “key x_z Thermostat page”

Parameter “Channel Setting”

The corresponding air conditioning module on this parameter setting page regulates which air conditioner, which is related to how many air conditioning channels are turned on by the parameter "The number of channel setting" in the parameter setting interface "3.2.3 Parameter setting interface Thermostat".

Maximum range: 1 ... 10

Parameter “Short press is”

This parameter sets the short press function.

Available options: Switch ON / OFF

Enter Thermostat interface

Select "Switch ON / OFF" means short press-the corresponding air conditioning module on the page-modify the switch status of the air conditioner;

Selecting "Enter Thermostat interface" means short press-the corresponding air conditioning module on the page-to enter the air conditioning adjustment interface.

Parameter “Long press is”

This parameter sets whether to activate the long press function.

Optional: Disable

Enable

Select "Enable" to activate the long press function and activate the following 2 parameters:

Parameter “time of long press(1...10s)”

This parameter sets the long press time, that is, long press? The second-the corresponding air conditioning module on the page-is determined to be a long press.

Range: 1... 10, unit: second

Parameter “Long press is”

This parameter sets the long press function.

Available options: Switch ON / OFF

Enter Thermostat interface

The long press function options are similar to the short press function, refer to the short press function introduction.

Parameter “Icon setting”

The air conditioner icon of the corresponding air conditioner module in this parameter setting page.

Optional: Default

User defined

Parameter “title display”

When the icon is a fixed icon, activate this parameter to set whether the title is customized.

Optional: Default

User defined

3.5.4 Parameter “key x_z music page”

Key 1_1 music page	
Channel Setting	1
Short press is	<input checked="" type="radio"/> Play/Suspend <input type="radio"/> Enter music interface
Long press is	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Time of long press(1...10s)	1
Icon setting	<input checked="" type="radio"/> Default <input type="radio"/> User defined
Title display	<input checked="" type="radio"/> Default <input type="radio"/> User defined

Parameter “Channel Setting”

The corresponding music module in this parameter setting page adjusts which channel's music function is related to how many music channels are turned on by the parameter "—the number of music channel setting" in the parameter setting interface "3.2 parameter setting interface General page".

Maximum range: 1 ... 6

Parameter “Short press is”

This parameter sets the short press function.

Optional: Play / suspend

Enter music interface

Select "Play / suspend" means short press-the corresponding music module on the page-play / suspend music;

Selecting "Enter music interface" means short press-the corresponding music module on the page-to enter the music control interface.

Parameter “Long press is”

This parameter sets whether to activate the long press function.

Optional: Disable

Enable

Select "Enable" to activate the long press function and activate the following 2 parameters:

Parameter “time of long press(1...10s)”

This parameter sets the long press time, that is, long press? The second-the corresponding music block module in the page-is determined to be a long press.

Range: 1 ... 10, unit: second

Parameter “Long press is”

This parameter sets the long press function.

Optional: Play / suspend

Enter music interface

The long press function options are similar to the short press function, refer to the short press function introduction.

Parameter “Icon setting”

This parameter sets the icon of the corresponding music module in the page.

Optional: Default

User defined

Parameter “title display”

When the icon is the default icon, activate this parameter to set whether the title is customized.

Optional: Default

User defined

3.5.5 Parameter “key x_z scene page”

-.- Touch panel/2.6/2.0/20200118 > Key page 1 > Key page block 1 > Key 1_1 scene page

General page	Call scene is set	Toggle(scene 1/scene 2)
	Call scene A number is (1...64)	1
	Call scene B number is (1...64)	1
	Function of save scene with long press	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
	Time of long press(1...10s)	1
	Call scene is set	<input checked="" type="radio"/> Telegram with 8 bit value <input type="radio"/> Telegram with 1 bit value
	Save scene number is (1...64)	1
	Feedback setting	Call scene 1 = OFF:call scene 2 = ON
	Icon setting	Common scene
	Title display	<input checked="" type="radio"/> Default <input type="radio"/> User defined

+ Thermostat
+ Music
+ Floor heating
+ Fresh air

- Key page 1

- Key page block 1

Key 1_1 scene page

组对象 频道 参数

Parameter “Call scene is set”

This parameter sets the short-press-corresponding scene module in the page-recalled scene.

Optional: Toggle (scene 1 / scene 2)

Scene 1

Scene 2

Select "Toggle (scene 1 / scene 2)" and short press the module to call scene 1 and scene 2;

Select "Scene 1", short press the module to call scene 1;

Select "Scene 2", short press the module to call scene 2;

Parameter “Call scene A/B number is (1...64)”

Set the scene value of scene 1 / scene 2.

Range: 1 ... 64

Parameter “Function of save scene with long press”

This parameter sets whether to activate the function of long-press to save the scene.

Optional: Disable

Enable

Select "Enable" to activate the function of long press to save the scene, activate the following 2 parameters:

Parameter “time of long press(1...10s)”

This parameter sets the long press time, that is, long press? second ,the scene module is determined to be a long press.

Range: 1 ... 10, unit: second

Parameter “Call scene is set”

This parameter sets the type of data saved in the scene.

Options: Telegram with 8 bit value

 Telegram with 1 bit value

Select "Telegram with 1 bit value", long press the module, the message data type sent by the communication object "save scene 1bit K_x_z" is 1 bit message value 1;

Select "Telegram with 8 bit value", long press the module, the data type of the message sent by the communication object "save scene 1byte K_x_z" is 1byte, and the parameter "Save scene number is (1 ... 64)" appears.

Parameter “Save scene number is (1...64)”

This parameter sets the saved scene number.

Range: 1 ... 64

Parameter “Feedback setting”

This parameter is used to set the display of the icon on short press.

Available options: Call scene 1=OFF; call scene 2=ON

 Call scene 1=ON; call scene 2=OFF

 Call scene 1=ON; else=OFF

 Call scene 2=ON; else=OFF

Select "call scene 1 = OFF; call scene 2 = ON", short press the module, the communication object "Call scene (1 ... 64), K_x_z" will send out the scene number corresponding to "scene 1", the icon will be displayed in white, issue The icon of the scene number corresponding to "scene 2" is displayed in yellow.

Select "Call scene 1 = ON; call scene 2 = OFF", short press the module, the communication object "Call scene (1 ... 64), K_x_z" sends out the scene number corresponding to "scene 1", the icon is displayed in yellow, and The icon of the scene number corresponding to "scene 2" is displayed in white.

Select "Call scene 1 = ON; else = OFF", short press the module, the communication object "Call scene (1 ... 64), K_x_z" sends out the scene number corresponding to "scene 1", the icon is yellow, otherwise the icon is It is white.

Select "Call scene 1 = ON; else = OFF", short press the module, the communication object "Call scene (1 ... 64), K_x_z" sends out the scene number corresponding to "scene 2", the icon is displayed in yellow, otherwise the icon is displayed It is white.

Parameter “Icon setting”

Set the scene icon.

Optional:Common scene

TV scene
 Come home scene
 Dining scene
 Romance scene
 Leave home scene
 Sleep scene
 Music scene
 Reading scene
 Main switch on
 Main switch off
 User defined

Parameter “title display”

When the icon selects a fixed icon, this parameter is activated to set whether the title is customized.

Optional: Default

User defined

3.5.6 Parameter “key x_z switch value page”

Key 1_1 switch value page	
General page	Setting of telegram No1 : Value type is 1 bit
Temperature page	If 1st press.telegram is Inactive
Humidity page	--Value of telegram is Toggle
Sleep page	If 2nd press.telegram is Inactive
Laser detection	--Value of telegram is Toggle
Thermostat	Setting of telegram No2 : Inactive
Music	Setting of telegram No3 : Inactive
Floor heating	Setting of telegram No4 : Inactive
Fresh air	Setting of telegram No5 : Inactive
Key page 1	Remote state synchronization set: None
Key page block 1	Icon setting Common switch
	Title display Default

Parameter “Setting of telegram NoX”

Parameter “If 1st/2nd press telegram is”**Parameter “—Value of telegram is”**

These parameters are used in combination to set the data type and message value of the message sent by the panel to the bus when the module is short-pressed. The communication object is "Output 1bit / 4 bit / 1byte value NoX K_x_z".

There are 3 options for data types: 1bit, 4bit, 1byte;

Message value range: 0/1, 0 ... 15, 0 ... 255

Parameter “Remote state synchronization set”

This parameter is used to set remote state synchronization.

Available options: None

Telegram 1

Telegram 2

Telegram 3

Telegram 4

Telegram 5

Select "None", do not set remote status synchronization;

Select "Telegram 1" and set the remote status synchronization to Telegram 1;

Select "Telegram 2" and set the remote status synchronization to Telegram 2;

Select "Telegram 3" and set the remote status synchronization to Telegram 3;

Select "Telegram 4" and set the remote status synchronization to Telegram 4;

Select "Telegram 5" and set the remote status synchronization to Telegram 5.

Note: The remote status synchronization is telegram X means that the telegram X object "Output 1bit / 4 bit / 1byte value NoX K_x_z" modifies the status of the message and synchronizes it so that the next message sent is opposite to the message. (For example: the settings of "First Pressed Value" and "Second Pressed Value" of these five messages are ON and OFF respectively, and the value issued by the first press of the button is "First Pressed Value", The value issued by pressing the button for the second time is the "second pressed value", the value issued by pressing the button for the third time is the "first pressed value", and so on. (If the synchronization status is telegram1, the values sent by the five message members are all ON when the button is pressed for the first time, and the message "Output 1bit / 4 bit / 1byte value NoX K_x_z" corresponding to telegram1 is written to the message OFF. Then OFF is synchronized to the value sent out by pressing the button for the second time, then the next time the button is pressed, the value of all five packets is ON [that is, the "first pressed value"])}

Parameter “Icon setting”

Set the on-off icon.

Options: Common switch

- Common lamp
- Common curtain
- Switch socket
- Floor heating
- Thermostat
- Dining room
- Kitchen
- Living room
- Bedroom
- Balcony
- Locker room
- Shower room
- User defined

Parameter “title display”

When the icon selects a fixed icon, this parameter is activated to set whether the title is customized.

Optional: Default

- User defined

3.5.7 Parameter “key x_z display page”

The function of this parameter setting interface is to select any value to display among time, alarm, label, temperature, humidity, VOC, PM2.5, PM10, CO, CO2.

-.- Touch panel/2.6/2.0/20200118 > Key page 1 > Key page block 1 > Key 1_1 display page

General page

Temperature page

Humidity page

Sleep page

Laser detection

+ Thermostat

+ Music

+ Floor heating

+ Fresh air

- Key page 1

- Key page block 1

Key 1_1 display page

Display setting

Icon setting

Title display

Display the date

Time

Default User defined

Default User defined

NO YES

组对象 频道 参数

Parameter “display setting”

This parameter sets the object displayed by the module.

Options: Time

- Alarm
- Character
- Temperature
- Humidity
- VOC
- PM25
- PM10
- CO
- CO2

Select "Time" to enable the time display function. As for whether to display the date, it is set by the parameter "display the data", and the time and date are written by the communication objects "Time" and "Data";

Select "Alarm" to turn on the warning display, and modify the alarm status by the communication object "Alarm";

Select "Character" to start the label display. The communication object "Character" writes the label content, which can display about 13 numbers and letters;

Select “Temperature / Humidity” to turn on the temperature / humidity display, you can select the detection source of ambient temperature / humidity, set by the parameter “Temperature / Humidity source”; if the detection source is external, activate the parameters “data type of the temperature value”, “alarm function is ”;

When selecting "VOC / PM25 / PM10 / CO / CO2", activate the parameters "data type of the gas value" and "alarm function is" as shown in the figure below.

Note: Selecting "VOC" is similar to selecting "PM25 / PM10 / CO / CO2". The parameters and communication objects are similar. Taking VOC as an example to expand the description; VOC / PM25 / PM10 / CO / CO2 gas values are all external input, and no local sensor Detection.

... Touch panel > Key page 2 > Key page block 2 > Key 2_1 display page

Setting	Value
Display setting	VOC
Icon setting	<input checked="" type="radio"/> Default <input type="radio"/> User defined
Data type of the gas value	<input type="radio"/> Integer <input checked="" type="radio"/> Floating point
Alarm function is	<input checked="" type="radio"/> Inactive <input type="radio"/> Active

Parameter “data type of the gas value”

Set the data type of the gas value.

Optional: Integer

Floating point

Select "Integer" to indicate that the data type of the gas value is integer data;

Select "Floating point" to indicate that the data type of the gas value is floating point data.

Parameter “alarm function is”

This parameter sets whether to activate the gas alarm function.

Optional: Inactive

Active

Select "active" to activate the gas alarm function, there are 6 related parameters, as shown below:

... Touch panel > Key page 2 > Key page block 2 > Key 2_1 display page

Display setting	VOC
Icon setting	<input checked="" type="radio"/> Default <input type="radio"/> User defined
Data type of the gas value	<input type="radio"/> Integer <input checked="" type="radio"/> Floating point
Alarm function is	<input type="radio"/> Inactive <input checked="" type="radio"/> Active
Threshold 1 value is(0...60000)	50
Threshold 2 value is(0...60000)	50
--Threshold behaviour	<input checked="" type="radio"/> Without hysteresis <input type="radio"/> With hysteresis
value<low: telegram is	Inactive
Low<value<upper: telegram is	Inactive
upper<value: telegram is	Inactive

Parameter “threshold 1/2 value is(0...60000)”

These two parameters are used to set the minimum / maximum alarm threshold of the gas value, threshold 1 < threshold 2.

Range: 0... 60000

Parameter “—threshold behaviour”

Optional: Without hysteresis

With hysteresis

Select "without hysteresis", the behavior mode that conforms to the channel setting without hysteresis, the parameters "value <low, telegram is", "low <value <upper, telegram is", "upper <value, telegram is" appear;

Select "With hysteresis", in the case of hysteresis, the behavior will conform to the channel settings, and the parameters "value <low, telegram is", "upper <value, telegram is" will appear.

Parameter “value<low, telegram is”

When the gas value is lower than the minimum alarm threshold, the communication object "falling, 1bit / 4bit / 8bit, K_x_z" sends an alarm message, and the message value is set by the parameter "--Value set is".

Parameter “low<value<upper, telegram is”

The parameter “—threshold behaviour” is activated when “without hysteresis” is selected. When the gas value is between the lowest alarm threshold and the highest alarm threshold, the communication object "middle, 1bit / 4bit / 8bit, K_x_z" sends an alarm message. The message value is set by the parameter “--Value set is”.

Parameter “upper<value, telegram is”

When the gas value is higher than the highest alarm threshold, the communication object "beyond, 1bit / 4bit / 8bit, K_x_z" sends an alarm message, and the message value is set by the parameter "--Value set is"

Parameter “Icon setting”

This parameter is used to set the icon.

Optional: Default

User defined

Parameter “title display”

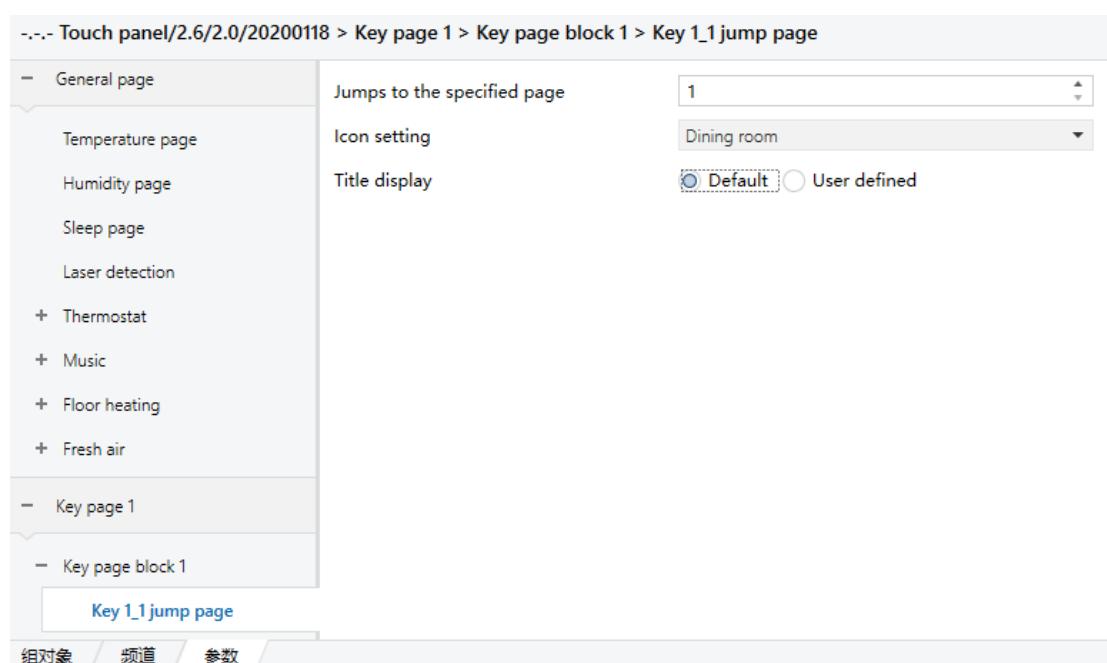
When the icon is the default icon, activate this parameter to set whether the title is customized.

Optional: Default

User defined

3.5.8 Parameter “key x_z jump page”

The function of this parameter setting interface is to set the jump page.



Parameter “Jumps to the specified page”

This parameter sets the page to jump to when the jump module is clicked.

The number of pages that can be set is related to the parameter "set the number of key pages" in the parameter setting interface "3.2. Parameter setting interface General page", the maximum range: 1 ... 10.

Parameter “Icon setting”

This parameter sets the icon displayed by the jump module.

Options: Dining room

- Locker room
- Living room
- Balcony
- Shower room
- Bedroom
- User defined

Parameter “title display”

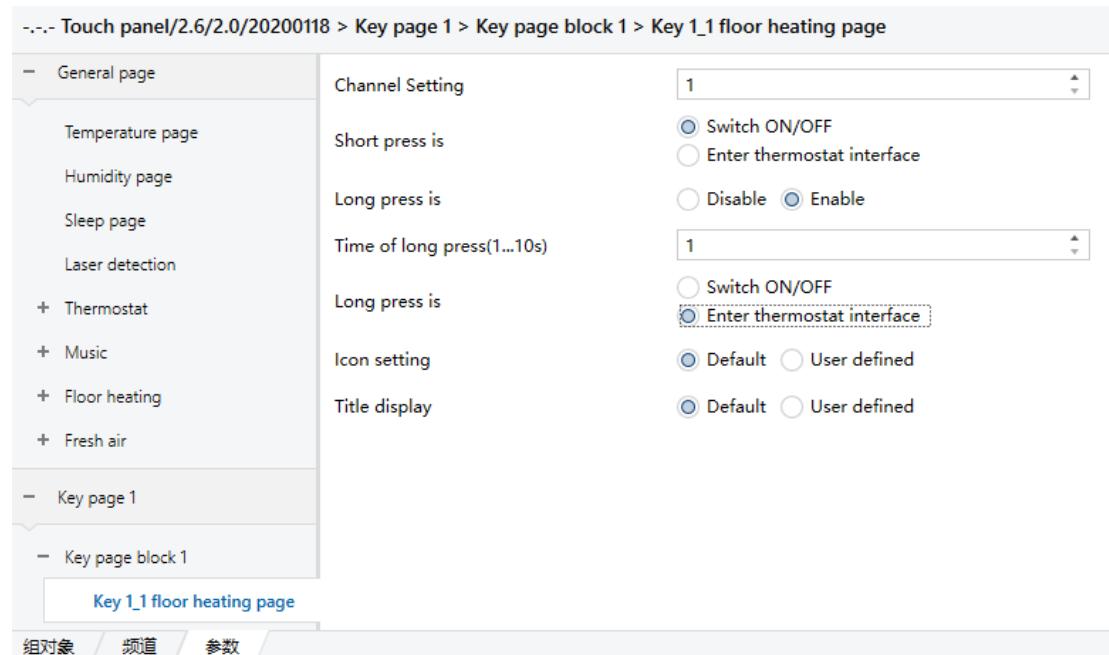
When the icon is a fixed icon, activate this parameter to set whether the title is customized.

Optional: Default

- User defined

3.5.9 Parameter “key x_z floor heating page”

The function of this parameter setting interface is to set the floor heating page.



The parameters on this page are the same as those on the air conditioner display page. Refer to the description of "3.5.3 Parameter Setting Interface key x_z Thermostat page".

3.5.10 Parameter “key x_z fresh air page”

The function of this parameter setting interface is to set the fresh air page.

-.-. Touch panel/2.6/2.0/20200118 > Key page 1 > Key page block 1 > Key 1_1 fresh air page

- General page	Channel Setting	1
Temperature page	Short press is	<input checked="" type="radio"/> Switch ON/OFF <input type="radio"/> Enter thermostat interface
Humidity page	Long press is	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Sleep page	Time of long press(1...10s)	1
Laser detection	Long press is	<input type="radio"/> Switch ON/OFF <input checked="" type="radio"/> Enter thermostat interface
+ Thermostat	Icon setting	<input checked="" type="radio"/> Default <input type="radio"/> User defined
+ Music	Title display	<input checked="" type="radio"/> Default <input type="radio"/> User defined
+ Floor heating		
+ Fresh air		
- Key page 1		
- Key page block 1		
Key 1_1 fresh air page		
组对象 频道 参数		

The parameters on this page are the same as those on the air conditioner display page. Refer to the description of "3.5.3 Parameter Setting Interface key x_z Thermostat page".

4. Communication object

Note: "C" in the column of table properties below means that the communication function of the communication object is enabled, "W" means that the communication object can rewrite the value of other devices, and "R" means that the value of the communication object can be read by other devices, "T" indicates that the communication object has a transmission function, and "U" indicates that the value of the communication object can be rewritten through the bus response message.

4.1 “General” Communication object

There are 6 Communication objects under "General", as shown in Figure 4.1-1. The specific functions are shown in Table 1-1.

1	General	Lock device	1 bit	C R W - -	1-bit, enable	低
18	General	Current humidity	2 bytes	C R - T -	2-byte float value, temperature (°C)	低
3	General	OLED display ON/OFF	1 bit	C - W - -	1-bit, switch	低
4	General	Brightness of OLED	1 byte	C R W - -	8-bit unsigned value, counter pulses (0..255)	低
12	General	Current temperature	2 bytes	C R - T -	2-byte float value, temperature (°C)	低
6	General	Valid action of key	1 bit	C - W T -	1-bit, boolean	低

Figure 4.1-1 General Communication object

No.	Object function	Name	Data type	Attribute
1	Lock device	General	1bit	C,R,W
This communication object is used to lock the device. Send 01 to the communication object via the bus to lock the device. The touch panel cannot be operated. Send 00 to unlock the device.				
3	OLED display ON/OFF	General	1bit	C,W
This communication object is used to switch the OLED screen, close the OLED screen when receiving message 0, and turn on the OLED screen when receiving message 1.				
4	Brightness of OLED	General	1byte	C,R,W
This communication object is used to modify the brightness value of the OLED screen.				
6	Valid action of key	General	1bit	C,W,T
This communication object is a valid key. When the key is first activated, 01 is issued to indicate that the key is pressed, otherwise no data is sent, and the effective key is also related to the value of the communication object when the key is first activated: if 00 is sent to the communication object When the key is pressed, the communication object sends data 01 to indicate that the key is pressed; if the communication object sends 01, if the key is pressed, the communication object "Valid action of key" does not send data.				
12	Current temperature	General	2byte	C,R,T (,W)
When the temperature value is collected by an internal sensor, this communication object is used to send the current temperature value.				
18	Current humidity	General	2byte	C,R,T (,W)
When the temperature value is collected by an internal sensor, this communication object is used to send the current temperature value.				

Table 1-1 General communication object table

4.2 “Laser detection” Communication object

There are 5 communication objects under "Laser detection", as shown in Figure 4.2-1. The specific functions are shown in Table 2-1.

序号 *	名称	对象功能	描述 群组地址	长度	C	R	W	T	U	数据类型	优先级
7	Laser detection	Laser detection trigger No1		1bit	C	-	W	-	-	1-bit, boolean	低
8	Laser detection	Laser detection flag No1		1bit	C	R	-	T	-	1-bit, boolean	低
9	Laser detection	Laser detection trigger No2		1bit	C	-	W	-	-	1-bit, boolean	低
10	Laser detection	Laser detection flag No2		1bit	C	R	-	T	-	1-bit, boolean	低
11	Laser detection	Laser detection distance		1 byte	C	R	-	T	-	8-bit unsigned value, counter pulses (0..255)	低

Figure 4.2-1 Laser detection communication object

No.	Object function	Name	Data type	Attribute
7	Laser detection trigger No1	Laser detection	1bit	C,W
This communication object is used to activate or deactivate the laser detection function. As to whether the received message 1 is activated or deactivated, it is set according to the parameter "—Way of trigger by bus".				

8	Laser detection flag No1	Laser detection	1bit	C,R,T
The communication object is activated when the parameter "—if state changed, teleg No. 1 is" selects "Active". When the laser detection distance is 0, wait for the time set by the parameter "—delay time for shut off backlight" to end. Adjust the backlight (the brightness of the backlight is adjusted according to the parameter "—percent value of OLED is" setting). At the same time, this communication object sends a message 0 to the bus.				
9	Laser detection trigger No2	Laser detection	1bit	C,W
Refer to communication object "Laser detection trigger No1"				
10	Laser detection flag No2	Laser detection	1bit	C,R,T
Refer to the communication object "Laser detection flag No1"				
11	Laser detection distance	Laser detection	1byte	C,R,T
This communication object is used to report the distance of the detected object to the bus. When the laser detection function is activated, when the laser sensor detects the object within the maximum detection range, the distance of the object from the panel will be sent to the bus through this communication object In cm.				

Table 2-1 Laser detection communication object table

4.3 “VRV” Communication object

Each VRV channel has the same communication object. Taking the communication object of VRV channel 1 as an example, there are 11 communication objects, as shown in Figure 4.3-1. The specific functions are shown in Table 3-1.

387	VRV	Run mode active set.CH1	1 byte	C R W T -	8-bit unsigned value, counter pulses (0..255)	低
388	VRV	Switch status feedback.CH1	1 bit	C R W T U	1-bit, switch	低
389	VRV	Temperature feedback.CH1	2 bytes	C R W T U	2-byte float value, temperature (°C)	低
390	VRV	Air speed feedback.CH1	1 byte	C R W T U	8-bit unsigned value, counter pulses (0..255)	低
391	VRV	Run mode feedback.CH1	1 byte	C R W T U	8-bit unsigned value, counter pulses (0..255)	低
392	VRV	Switch ON/OFF.CH1	1 bit	C R W T	1-bit, switch	低
393	VRV	Set temperature.CH1	2 bytes	C R W T -	2-byte float value, temperature (°C)	低
394	VRV	Air speed.CH1	1 byte	C R W T -	8-bit unsigned value, counter pulses (0..255)	低
395	VRV	Run mode.CH1	1 byte	C R - T -	8-bit unsigned value, counter pulses (0..255)	低
407	VRV	Min set temperature.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)	低
408	VRV	Max set temperature.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)	低

Figure 4.3-1 VRV communication object

No.	Object function	Name	Data type	Attribute
387	Mode active/inactive	VRV	1byte	C,W
This communication object is used to disable / activate VRV air conditioner operation modes: dehumidification, cooling, ventilation, heating, refreshing, sleeping, automatic, 0x00: active 0x80: inactive; 0: dehu 1: refi 2: vent 3: heat 4: Refreshing 5: Sleep 6: Automatic.				
388	Switch status feedback	VRV	1bit	C,R,W,T,U
Through this feedback object to synchronize the switch status of the air conditioning panel, it is related to the selection of the parameter "Setting of switch": Available options: "0" = "OFF"; "1" = "ON"				

<p>"0" = "ON"; "1" = "OFF"</p> <p>Select "0" = "OFF"; "1" = "ON", when the communication object "AHUX-Switch status feedback" receives 00, the screen displays "OFF", and the communication object "AHUX-Switch status feedback" receives The screen turns on at 01.</p> <p>Select "0" = "ON"; "1" = "OFF", the communication object "AHUX-Switch status feedback" the screen turns on when receiving 00, and the communication object "AHUX-Switch status feedback" displays on the screen "OFF".</p>				
389	Temperature feedback	VRV	2byte	C,R,W,T,U
Use this feedback object to synchronize the set temperature of the air conditioning panel.				
390	Air speed feedback	VRV	1byte	C,R,W,T,U
Use this feedback object to synchronize the wind speed rating of the air conditioning panel.				
391	Run mode feedback	VRV	1byte	C,R,W,T,U
Use this feedback object to synchronize the operating mode of the air conditioning panel.				
392	Switch ON/OFF	VRV	1bit	C,R,T
This communication object is used to control the switching state of VRV.				
393	Set temperature	VRV	2byte	C,R,T
This communication object is used to control the set temperature of VRV.				
394	Air speed	VRV	1byte	C,R,T
This communication object is used to control the wind speed of VRV.				
395	Run mode	VRV	1byte	C,R,T
This communication object is used to control the operation mode of VRV.				
407	Min set temperature	VRV	2byte	C,R,W
Use this communication object to modify the minimum temperature value of the set temperature of the VRV air conditioner.				
Conversion via KNX format				
408	Max set temperature	VRV	2byte	C,R,W
Use this communication object to modify the maximum temperature value of the set temperature of the VRV air conditioner.				
Conversion via KNX format				

Table 3-1 VRV communication object table

4.4 “Fan coil” Communication object

Each Fan coil channel has the same communication object. Taking the communication object of Fan coil channel 1 as an example, there are 24 communication objects, as shown in Figure 4.4-1. The specific functions are shown in Table 4-1.

387	Fan coil	Speed 1(control).CH1	1 bit	C R - T -	1-bit, boolean	低
388	Fan coil	Speed 2(control).CH2	1 bit	C R - T -	1-bit, boolean	低
389	Fan coil	Speed 3(control).CH3	1 bit	C R - T -	1-bit, boolean	低
390	Fan coil	Heating value(control).CH1	1 byte	C R - T -	8-bit unsigned value, counter pulses (0..255)	低
391	Fan coil	Refrigeration value(control).CH1	1 byte	C R - T -	8-bit unsigned value, counter pulses (0..255)	低
392	Fan coil	Speed 1(feedback).CH1	1 bit	C R W - -	1-bit, boolean	低
393	Fan coil	Speed 2(feedback).CH2	1 bit	C R W - -	1-bit, boolean	低
394	Fan coil	Speed 3(feedback).CH3	1 bit	C R W - -	1-bit, boolean	低
395	Fan coil	Speed auto.CH1	1 bit	C R - T -	1-bit, boolean	低
396	Fan coil	Mode active/inactive.CH1	1 byte	C - W - -	8-bit unsigned value, counter pulses (0..255)	低
397	Fan coil	Remote control switch.CH1	1 bit	C - W - -	1-bit, switch	低
398	Fan coil	Remote control mode.CH1	1 byte	C - W - -	8-bit unsigned value, counter pulses (0..255)	低
399	Fan coil	Remote control speed.CH1	1 byte	C - W - -	8-bit unsigned value, counter pulses (0..255)	低
400	Fan coil	Remote setting Temperature.CH1	2 bytes	C - W - -	2-byte float value, temperature (°C)	低
401	Fan coil	Switch feedback.CH1	1 bit	C R - T -	1-bit, switch	低
402	Fan coil	Feedback mode.CH1	1 byte	C R - T -	8-bit unsigned value, counter pulses (0..255)	低
403	Fan coil	Feedback speed.CH1	1 byte	C R - T -	8-bit unsigned value, counter pulses (0..255)	低
404	Fan coil	Feedback set temperature.CH1	2 bytes	C R - T -	2-byte float value, temperature (°C)	低
405	Fan coil	Switch(control).CH1	1 bit	C R - T -	1-bit, switch	低
406	Fan coil	Switch(feedback).CH1	1 bit	C R W - -	1-bit, switch	低
407	Fan coil	Heating lower threshold.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)	低
408	Fan coil	Heating upper threshold.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)	低
409	Fan coil	Cooling lower threshold.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)	低
410	Fan coil	Cooling upper threshold.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)	低

Figure 4.4-1 Fan coil communication object

No.	Object function	Name	Data type	Attribute
387/388/389	Speed 1/2/3(control)	Fan coil	1bit	C,R,T
387	Speed 1byte(control)	Fan coil	1byte	C,R,T

This communication object represents the wind speed of the fan coil. The communication object is related to the selection of the parameter "Speed object set":

Available options: 1bit

1byte

Select "1bit", set the object type of wind speed to 1bit, and the communication objects are "Speed 1 (control)", "Speed 2 (control)", "Speed 3 (control)".

Select "1byte", set the object type of wind speed to 1byte, and the communication object to "Speed 1byte (control)".

390/391	Heating/Refrigeration value(control)	Fan coil	1byte	C,R,T
390	Control value(control)	Fan coil	1byte	C,R,T

This communication object represents the heating / cooling control value. The communication object is related to the selection of the parameter "Number of output channels":

Options: 2 channel (4 pipe) for heat / cool

1 channel (2 pipe) for heat / cool

Select "2 channel (4 pipe) for heat / cool", set the number of output channels of the fan coil to 4 pipes, then the fan coil can have cooling and heating at the same time, and the communication objects are "Heating value (control)" And "Refrigeration value (control)".

Select "1 channel (2 pipe) for heat / cool", set the number of output channels of the fan coil to 2 pipes, then only one of the cooling and heating in the fan coil can exist, and the communication object is "Control value (control) ", For cooling or heating can be set through the communication object" Mode active / inactive "(send 01 to this communication object to activate the cooling mode, send 03 to activate the heating mode).

395	Speed auto	Fan coil	1bit	C,R,T
This communication object indicates whether the fan coil is in automatic wind state. The communication object is related to the selection of the parameter "Auto / manual speed set": Optional: "0" = manual, "1" = auto "0" = auto, "1" = manual				
Select "" 0 "= manual," 1 "= auto", then set 0 as manual wind speed, 1 as automatic wind speed, communication object "Speed auto" will issue 01 when in automatic wind speed.				
Select "" 0 "= auto," 1 "= manual", then set 0 to automatic wind speed, 1 to manual wind speed, and the communication object "Speed auto" will send 00 when it is in automatic wind speed.				
397	Remote control switch	Fan coil	1bit	C,R,W
This communication object is used to remotely control the switch state of the fan coil. The communication object is related to the selection of the parameter "Switch set": Available options: "0" = "OFF"; "1" = "ON" "0" = "ON"; "1" = "OFF"				
Select "0" = "OFF"; "1" = "ON", when the screen is turned on, the communication object "Remote control switch" issues 01, and when the screen displays "OFF", the communication object "Remote control switch" issues 00;				
Select "0" = "ON"; "1" = "OFF", when the screen is turned on, the communication object "Remote control switch" sends 00, and when the screen displays "OFF", the communication object "Remote control switch" sends 01.				
398	Remote control mode	Fan coil	1byte	C,R,W
This communication object is used to remotely control the mode of the fan coil. The communication object is related to the parameter "Dehumidification / Refrigeration / Ventilation / Heating mode set (0 ... 255; 254 = inactivate)".				
399	Remote control speed	Fan coil	1byte	C,R,W
This communication object is used to remotely control the wind speed of the fan coil. The communication object is related to the setting of the parameter "Setting of off / speed 1 / speed 2 / speed 3 / speed auto (0 ... 255; 254 = inactivate)" .				
400	Remote setting set temperature	Fan coil	2byte	C,R,W
This communication object is used to remotely control the temperature of the fan coil.				
405	Switch(control)	Fan coil	1bit	C,R,T
Send the message "1" to the communication object to open the panel, and send the message "0" to close the panel.				
406	Switch(feedback)	Fan coil	1bit	C,R,W
When the panel is switched on and off, the switch status of the panel is fed back to the bus through this object. When the panel is closed, the message "0" is sent, and when the panel is opened, the message "1" is sent.				
392/393/394	Speed 1/2/3(feedback)	Fan coil	1bit	C,R,W
392	Speed 1byte(feedback)	Fan coil	1byte	C,R,W
This communication object is used to feedback the wind speed of the fan coil. The communication object is related to the selection of the parameter "Speed object set": Available options: 1bit				

1byte				
Select "1bit", set the object type of the wind speed feedback in the fan coil to 1bit, and the communication objects are "Speed 1 (feedback)", "Speed 2 (feedback)", "Speed 3 (feedback)".				
Select "1byte", set the object type of the wind speed feedback in the fan coil to 1byte, and the communication object to "Speed 1byte (feedback)".				
396	Mode active/inactive	Fan coil	1byte	C,R,W
This communication object is used to activate / deactivate the dehumidification, cooling, ventilation and heating modes under the fan coil, 0x00: active 0x80: inactive; 0: dehu 1: refi 2: vent 3: heat.				
401	Feedback Switch	Fan coil	1bit	C,R,T
This communication object is used to send a message to the bus to report the switch status of the fan coil. It is related to the parameter "Switch set" in Feedback. Available options: "0" = "OFF"; "1" = "ON" "0" = "ON"; "1" = "OFF"				
Select "0" = "OFF"; "1" = "ON", when the screen is turned on, the communication object "Feedback switch" issues 01, and when the screen displays "OFF", the communication object "Feedback switch" issues 00; Select "0" = "ON"; "1" = "OFF", when the screen is turned on, the communication object "Feedback switch" sends 00, when the screen displays "OFF", the communication object "Feedback switch" sends 01.				
402	Feedback mode	Fan coil	1byte	C,R,T
This communication object is used to send a message to the bus to report the current mode of the fan coil. It is related to the setting of the parameter "Dehumidification / Refrigeration / Ventilation / Heating mode set (0 ... 255; 254 = inactivate)".				
403	Feedback speed	Fan coil	1byte	C,R,T
This communication object is used to send a message to the bus to report the current wind speed of the fan coil. It is related to the setting of the parameter "Setting of off / speed 1 / speed 2 / speed 3 / speed auto (0 ... 255; 254 = inactivate)".				
404	Feedback set temperature	Fan coil	2byte	C,R,T
This communication object is used to send the current set temperature value of the fan coil.				
407/408	Heating/ Cooling lower threshold	Fan coil	2byte	C,R,W
Through this communication object, modify the minimum temperature value of the set temperature in the fan coil heating / cooling mode. Conversion via KNX format				
410/411	Heating/ Cooling upper threshold	Fan coil	2byte	C,R,W
Through this communication object, modify the maximum temperature value of the set temperature in the fan coil heating / cooling mode. Conversion via KNX format				

Table 4-1 Fan coil communication object table

4.5 “auto dehumidify” Communication object

The automatic dehumidification function of each channel has the same communication object. Taking the communication object of channel 1 as an example, auto dehumidify has 3 communication objects, as shown in Figure 4.5-1

411	Auto dehumidify	Auto dehumidify status	1 bit C R W - - 1-bit, boolean	低
412	Auto dehumidify	Start threshold of dehumidify	2 bytes C R W - - 2-byte float value, humidity (%)	低
413	Auto dehumidify	Stop threshold of dehumidify	2 bytes C R W - - 2-byte float value, humidity (%)	低

Figure 4.5-1 auto dehumidify communication object

No.	Object function	Name	Data type	Attribute
411	Auto dehumidify status	Auto dehumidify	1 bit	C,R,W
This communication object is used to set whether to enter the automatic dehumidification function: send 00 to the communication object to enter automatic dehumidification, send 01 to exit automatic dehumidification.				
412	start threshold of dehumidify	Auto dehumidify	2 byte	C,R,W
This communication object is used to set the threshold for starting automatic dehumidification.				
413	stop threshold of dehumidify	Auto dehumidify	2 byte	C,R,W
This communication object is used to set the threshold for ending automatic dehumidification.				

Table 5-1 auto dehumidify communication object table

4.6 “Music” Communication object

Each channel of Music has the same communication object. Taking the communication object of channel 1 as an example, there are 9 communication objects, as shown in Figure 4.6-1. The specific functions are shown in Table 6-1.

675	Music function	Move previous/next.CH1	1 bit C - - T - 1-bit, boolean	低
676	Music function	volume control.CH1	1 byte C - - T - 8-bit unsigned value, counter pulses (0..255)	低
677	Music function	volume feedback.CH1	1 byte C R W T U 8-bit unsigned value, counter pulses (0..255)	低
678	Music function	Play state control.CH1	1 bit C - - T - 1-bit, boolean	低
679	Music function	Play state feedback.CH1	1 bit C R W T U 1-bit, boolean	低
680	Music function	Mute control.CH1	1 bit C - - T - 1-bit, boolean	低
681	Music function	Mute feedback.CH1	1 bit C R W T U 1-bit, boolean	低
682	Music function	Music source.CH1	1 byte C - - T - 8-bit unsigned value, counter pulses (0..255)	低
683	Music function	Mode feedback.CH1	1 byte C R W T U 8-bit unsigned value, counter pulses (0..255)	低

Figure 4.6-1 music communication object

No.	Object function	Name	Data type	Attribute
675	Move previous/next.CH1	Music function	1bit	C,T
This communication object is used to transmit the setting value of the previous / next song, switch to the previous song to issue 1 or 0, set by the parameter "Move previous and move next set"				
676	volume control.CH1	Music function	1byte	C,T
This communication object is used to transmit volume values.				

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677	volume feedback.CH1	Music function	1byte	C,R,W,T,U
The volume value can be modified through this communication object.				
678	Play state control.CH1	Music function	1bit	C,T
This communication object is used to transmit the music playback state control value. The output value is related to the parameter "play control value set".				
679	Play state feedback.CH1	Music function	1bit	C,R,W,T,U
The communication state of the music can be modified through this communication object, and what value is sent to set the music playback state to pause is determined by the parameter "play feedback value set".				
680	Mute control.CH1	Music function	1bit	C,T
This communication object is used to transmit the control value of the music mute mode. The output value is related to the parameter "mute control value set".				
681	Mute feedback.CH1	Music function	1bit	C,R,W,T,U
The mute mode of the music is modified by the communication object, and the value sent into the mute mode is determined by the parameter "mute feedback value set".				
682	Music source.CH1	Music function	1byte	C,T
This communication object is used to transmit music sources. As for what message value represents which source, it is set by the parameter "local / Bluetooth / network music value setting".				
683	Mode feedback.CH1	Music function	1byte	C,R,W,T,U
The source of music can be modified through this communication object. As for what message value represents which source, it is set by the parameter "local / Bluetooth / network music value setting".				

Table 6-1 music communication object table

4.7 “Dimmer” Communication object

The Dimmer function of each module has the same communication object. Taking the dimming communication object of the first module on page 1 as an example, there are 4 communication objects, as shown in Figure 4.7-1. The specific functions are shown in Table 7. -1.

25	Output.K_1_1	Switch ON/OFF.K_1_1	1 bit	C - - T -
26	Input.K_1_1	Switch feedback.K_1_1	1 bit	C R W - -
27	Output.K_1_1	Dimming value.K_1_1	1 byte	C R - T -
28	Input.K_1_1	Dimming feedback.K_1_1	1 byte	C R W - -
27	Output.K_1_1	RGB_R.K_1_1	1 byte	C R W T - 8-bit unsigned value, counter pulses (0..255)
28	Output.K_1_1	RGB_G.K_1_1	1 byte	C R W T - 8-bit unsigned value, counter pulses (0..255)
29	Output.K_1_1	RGB_B.K_1_1	1 byte	C R W T - 8-bit unsigned value, counter pulses (0..255)

Figure 4.7-1 Dimmer communication object

No.	Object function	Name	Data type	Attribute

25	Switch ON/OFF for short.K_1_1	Output	1bit	C,T
This communication object takes effect when switching the dimming function, and the output value is determined by the parameter "value of dimming on / off is".				
26	Switch feedback.K_1_1	Output	1byte	C,T
This communication object is used to receive the feedback value of the dimmer switch.				
27	Dimmer value.K_1_1	Output	1byte	C,T
This communication object is enabled when the parameter "Dimming type" selects "Common dimming", and works when adjusting the dimming value. It is used to send the current dimming value to the bus				
28	Feedback of dimmer.K_1_1	Input	1byte	C,R,W
This communication object is enabled when the parameter "Dimming type" selects "Common dimming", and the dimming value can be modified through this communication object.				
27/28/29	RGB_R/G/B.K_1_1	Output	1byte	C,R,W,T
These communication objects appear when the parameter "Dimming type" selects "RGB dimming" and is used for RGB dimming.				

Table 7-1 dimmer communication object table

4.8 “shutter” Communication object

The shutter function of each module has the same communication object. Taking the communication object of the curtain of the second module on page 1 as an example, there are 3 communication objects, as shown in Figure 4.8-1. The specific functions are shown in Table 8- 1.

25	Output.K_1_1	Move shutter.K_1_1	1 bit	C - W T -
26	Output.K_1_1	Adjust lamella of shutter.K_1_1	1 bit	C R W T -
27	Output.K_1_1	Height value.K_1_1	1 byte	C R - T -
28	Output.K_1_1	Height feedback.K_1_1	1 byte	C R W - -
29	Output.K_1_1	Slat value.K_1_1	1 byte	C R W T -
30	Output.K_1_1	Slat feedback.K_1_1	1 byte	C R W - -

Figure 4.8-1 shutter communication object

No.	Object function	Name	Data type	Attribute
25	Move shutter.K_1_1	Output	1bit	C,W,T
This communication object plays a role in moving the curtain, and the output value is determined by the parameter "Direction of shutter move is".				
26	Adjust lamella of shutter.K_1_1	Output	1bit	C,R,WT
This communication object plays a role in adjusting the curtain angle, and the output value is determined by the parameter "Adjust lamella value setting".				
27	Height value K_1_1	Output	1byte	C,R,W
Use this object to control the height of the curtain.				
28	Height Feedback K_1_1	Output	1byte	C,R,W,T
Curtain height feedback object.				

29	Slat value K_1_1	Output	1byte	C,R,W
Use this object to adjust the curtain angle.				
30	Slat Feedback K_1_1	Output	1byte	C,R,W
Curtain angle feedback object.				

Table 8-1 shutter communication object table

4.9 “scene” Communication object

The scene function of each module has the same communication object. Taking the communication object of the scene of the fifth module on the first page as an example, there are 3 communication objects, as shown in Figure 4.9-1. The specific functions are shown in Table 9- 1.

49	Output.K_1_5	Save scene 1 byte.K_1_5	1 byte C - W T - scene number, scene number	低
50	Output.K_1_5	Call scene(1...64).K_1_5	1 byte C - W T - scene number, scene number	低
54	Input.K_1_5	Feedback of scene.K_1_5	1 byte C R W - 8-bit unsigned value, counter pulses (0..255)	低

Figure 4.9-1 scene communication object

No.	Object function	Name	Data type	Attribute
49	Save scene 1 byte.K_1_5	Output	1byte	C,T
50	Call scene(1...64).K_1_5	Output	1byte	C,T
54	Feedback of scene.K_1_5	Input	1byte	C,R,W

Table 9-1 scene communication object table

4.10 “switch value” Communication object

The switch value function of each module has the same communication object. Taking the communication object of the sixth module on page 1 as an example, there are 5 communication objects, as shown in Figure 4.10-1. The specific functions are shown in the table 10-1.

55	Output.K_1_6	Output 1 bit value.No1.K_1_6	1 bit C - W T - 1-bit, boolean	低
56	Output.K_1_6	Output 1 bit value.No2.K_1_6	1 bit C - W T - 1-bit, boolean	低
57	Output.K_1_6	Output 1 bit value.No3.K_1_6	1 bit C - W T - 1-bit, boolean	低
58	Output.K_1_6	Output 1 bit value.No4.K_1_6	1 bit C - W T - 1-bit, boolean	低
59	Output.K_1_6	Output 1 bit value.No5.K_1_6	1 bit C - W T - 1-bit, boolean	低

Figure 4.10-1 switch value communication object

No.	Object function	Name	Data type	Attribute
55	Output 1 bit value.No1.K_1_6	Output	1bit/4bit/1byte	C,T
This communication object is activated when the module selects the switch value. Press the module, the output message value is set by the parameter, and the data type can be set to 1bit, 4bit or 1Byte by the parameter "If 1st / 2nd press telegram is"				
56	Output 1 bit value.No2.K_1_6	Output	1bit/4bit/1byte	C,T
Refer to the communication object "Output 1 bit value.No1.K_1_6"				
57	Output 1 bit value.No3.K_1_6	Output	1bit/4bit/1byte	C,T
Refer to the communication object "Output 1 bit value.No1.K_1_6"				
58	Output 1 bit value.No4.K_1_6	Output	1bit/4bit/1byte	C,T
Refer to the communication object "Output 1 bit value.No1.K_1_6"				
59	Output 1 bit value.No5.K_1_6	Output	1bit/4bit/1byte	C,T
Refer to the communication object "Output 1 bit value.No1.K_1_6"				

Table 10-1 switch value communication object table

4.11 “display” Communication object

The Display module has 10 functions, namely: time, alarm, label, temperature, humidity, VOC, PM2.5, PM10, CO, CO2, each module can choose the function arbitrarily, different modules choose the same function have the same For communication objects, take the communication object of the first module on page 2 as an example, as shown in Figure 4.11-1. For specific functions, see Table 11-1.

63	Output.K_2_1	Falling.1 bit.K_2_1	1 bit	C R - T -	1-bit, boolean
64	Output.K_2_1	Middle.1 bit.K_2_1	1 bit	C R W T -	1-bit, boolean
65	Output.K_2_1	Beyond.1 bit.K_2_1	1 bit	C R W T -	1-bit, boolean
66	Input.K_2_1	Gas value.K_2_1	2 bytes	C R W - -	2-byte unsigned value, pulses
66	Input.K_2_1	Temperature.K_2_1	2 bytes	C R W - -	2-byte unsigned value, pulses
66	Input.K_2_1	Humidity.K_2_1	2 bytes	C R W - -	2-byte unsigned value, pulses
63	Input.K_2_1	Time.K_2_1	3 bytes	C R W T -	time, time of day
64	Input.K_2_1	Data.K_2_1	3 bytes	C R W - -	date, date
63	Input.K_2_1	Alarm.K_2_1	1 bit	C R W T -	1-bit, alarm
63	Input.K_2_1	Character.K_2_1	14 bytes	C R W T -	character string, Character String (ASC)

Figure 4.11-1 display communication object

No.	Object function	Name	Data type	Attribute
63	Falling.1 bit.K_2_1	Output	1bit/4bit/1byte	C,R,T
This communication object appears in the parameter "display setting", select "Temperature /				

Humidity / VOC / PM25 / PM10 / CO / CO2", and appears when the alarm message is activated. When the gas value is lower than the minimum alarm threshold, this communication object sends an alarm message The message value is set by the parameter "--Value set is".				
64	Middle.4 bit.K_2_1	Output	1bit/4bit/1byte	C,R,T
Select "Temperature / Humidity / VOC / PM25 / PM10 / CO / CO2" in the parameter "display setting", the communication object will be activated when the parameter "--threshold behaviour" selects "without hysteresis", when the gas value is at the lowest alarm threshold Between the highest alarm threshold, this communication object sends an alarm message, and the message value is set by the parameter "--Value set is".				
65	Beyond.8 bit.K_2_1	Output	1bit/4bit/1byte	C,R,T
This communication object appears when the parameter "display setting" selects "Temperature / Humidity / VOC / PM25 / PM10 / CO / CO2" and the alarm message is activated. When the gas value is higher than the highest alarm threshold, the communication object "beyond, 1bit / "4bit / 8bit, K_x_z" sends an alarm message, and the message value is set by the parameter "--Value set is".				
66	Gas value.K_2_1	Input	2byte	C,R,W
This communication object appears when the parameter "display setting" selects "VOC / PM25 / PM10 / CO / CO2". This communication object is used to pass in externally detected VOC / PM25 / PM10 / CO / CO2 gas values.				
66	Temperature.K_2_1	Input	2byte	C,R,W
This communication object appears when the parameter "display setting" selects "Temperature" and the parameter "Temperature source" selects "external", and is used to transfer the temperature value detected externally.				
66	Humidity.K_2_1	Input	2byte	C,R,W
This communication object appears when the parameter "display setting" selects "Humidity" and the parameter "Humidity source" selects "external", and is used to pass in the humidity value detected externally.				
63	Time. K_2_1	Input	3byte	C,R,W,T
This communication object appears when the parameter "display setting" selects "Time" and is used to write the current time.				
63	Data. K_2_1	Input	3byte	C,R,W
The communication object is enabled when the parameter "display setting" selects "Time" and the parameter "Display the date" selects "YES", and is used to write the date.				
63	Alarm. K_2_1	Input	1bit	C,R,W,T
This communication object appears when the parameter "display setting" selects "alarm" and is used to modify the alarm status.				
63	Character. K_2_1	Input	14bytes	C,R,W,T
This communication object appears when the parameter "display setting" selects "Character" and is used to write the label content. It can display approximately 13 numbers and letters.				

Table 11-1 display communication object table

4.12 “Temperature/humidity alarm” Communication object

There are 8 communication objects under "Temperature / humidity alarm", as shown in Figure 4.12-1. The specific functions are shown in Table 12-1.

12	General	Current temperature	2 bytes	C R - T -	2-byte float value, temperature (°C)	低
14	Alarm	temperature alarm active	1bit	C R W -	1-bit, boolean	低
15	Alarm	Upper limit of temp. alarm	2 bytes	C R W -	2-byte float value, temperature (°C)	低
16	Alarm	Lower limit of temp. alarm	2 bytes	C R W -	2-byte float value, temperature (°C)	低
17	Alarm	Temperature alarm status	1bit	C R - T -	1-bit, boolean	低
18	General	Current humidity	2 bytes	C R - T -	2-byte float value, temperature (°C)	低
20	Alarm	humidity alarm active	1bit	C R W -	1-bit, boolean	低
21	Alarm	Upper limit of humidity alarm	2 bytes	C R W -	2-byte float value, temperature (°C)	低
22	Alarm	Lower limit of humidity alarm	2 bytes	C R W -	2-byte float value, temperature (°C)	低
23	Alarm	humidity alarm status	1bit	C R - T -	1-bit, boolean	低

Figure 4.12-1 Temperature/humidity alarm communication object

No.	Object function	Name	Data type	Attribute
14	temperature alarm active	Alarm	1bit	C,R,W
This communication object is used to activate the temperature alarm function: send 01 to the communication object to activate the temperature alarm function; send 00 to deactivate the temperature alarm function.				
15	Upper limit of temp. alarm	Alarm	2byte	C,R,W
This communication object is used to set the upper limit of temperature alarm.				
16	Lower limit of temp. alarm	Alarm	2byte	C,R,W
This communication object is used to set the lower limit of temperature alarm.				
17	Temperature alarm status	Alarm	1bit	C,R,T
This communication object is used to send messages of temperature alarm status.				
20	humidity alarm active	Alarm	1bit	C,R,W
This communication object is used to activate the humidity alarm function: send 01 to the communication object to activate the humidity alarm function; send 00 to deactivate the humidity alarm function.				
21	Upper limit of humidity alarm	Alarm	2byte	C,R,W
This communication object is used to set the upper limit of the humidity alarm.				
22	Lower limit of humidity alarm	Alarm	2byte	C,R,W
This communication object is used to set the lower limit value of the humidity alarm.				
23	humidity alarm status	Alarm	1bit	C,R,T
This communication object is used to send messages of humidity alarm status.				

Table 12-1 Temperature/humidity alarm communication object table

4.13 “Timing” Communication object

The timing function of each channel has the same communication object. Taking the communication object of channel 1 as an example, Timing has a total of 2 communication objects,

as shown in Figure 4.13-1. The specific functions are shown in Table 13-1.

385	Timing	Timing.CH1	2 bytes	C R W - -	2-byte unsigned value, pulses
386	Timing	Report.CH1	2 bytes	C R - T -	2-byte unsigned value, pulses

Figure 4.13-1 Timing communication object

No.	Object function	Name	Data type	Attribute
385	Timing	Timing	2byte	C,W
This communication object is used to set the timing time. Sending 1 to the communication object means timing 1min.				
386	Report	Timing	2byte	C,R,T
This communication object is used to send a message to the bus to report the current timing time.				

Table 13-1 Timing communication object table

4.14 “Floor heating” Communication object

Each floor heating channel has the same communication object. Taking the communication object of floor heating channel 1 as an example, there are 12 communication objects, as shown in Figure 4.14-1. The specific functions are shown in Table 14-1.

739	Floor heating	Switch contorl.CH1	1 bit	C R - T -	1-bit, boolean
740	Floor heating	Switch feedback.CH1	1 bit	C R W - -	1-bit, boolean
741	Floor heating	Switch remote.CH1	1 bit	C R W - -	1-bit, boolean
742	Floor heating	External current temperature.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)
743	Floor heating	Automatic function active.CH1	1 bit	C R W - -	1-bit, boolean
744	Floor heating	Control actuator/1 bit.CH1	1 bit	C R - T -	1-bit, boolean
745	Floor heating	Set temperature.CH1	2 bytes	C R - T -	2-byte float value, temperature (°C)
746	Floor heating	Set temperature feedback.CH1	2 bytes	C R W T U	2-byte float value, temperature (°C)
747	Floor heating	Set temperature remote.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)
748	Floor heating	Minimum set temperature.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)
749	Floor heating	Maximum set temperature.CH1	2 bytes	C R W - -	2-byte float value, temperature (°C)
750	Floor heating	Active.CH1	1 bit	C R W - -	1-bit, boolean

Figure 4.14-1 Floor heating communication object

No.	Object function	Name	Data type	Attribute
739	Switch contorl	Floor heating	1bit	C,R,T
The switching state of the floor heating is transmitted to the bus through this communication object.				
740	Switch feedback	Floor heating	1bit	C,R,W
This communication object is used to feedback the status of the floor heating switch.				
741	Switch remote	Floor heating	2byte	C,R,W
The floor heating is switched on and off remotely through this communication object.				
742	External current temperature	Floor heating	1bit	C,R,W

When the current temperature of the floor heating is an external temperature, the current temperature of the floor heating is written through this communication object.				
743	Automatic function active	Floor heating	1bit	C,R,W
The automatic function of floor heating can be enabled or disabled through this communication object.				
744	Control actuator/1 bit	Floor heating	2byte	C,R,T
This communication object is enabled when the parameter "Thermostat control Actuator" selects "YES" and is used to transfer the setting values of the parameter "--Switch ON value" and the parameter "--Switch OFF value" to the bus.				
745	Set temperature	Floor heating	2byte	C,R,T
The set temperature of the floor heating is transmitted to the bus through this communication object.				
746	Set temperature feedback	Floor heating	2byte	C,R,W,T,U
This communication object is used to feed back the set temperature of the floor heating.				
747	Set temperature remote	Floor heating	2byte	C,R,W
The set temperature of the floor heating can be changed remotely through this communication object.				
748	Minimum set temperature	Floor heating	2byte	C,R,W
Use this communication object to modify the minimum temperature value of the set temperature of the floor heating.				
749	Maximum set temperature	Floor heating	2byte	C,R,W
Use this communication object to modify the maximum temperature value of the set temperature of the floor heating.				
750	Active	Floor heating	1bit	C,R,W
This communication object can activate or deactivate the floor heating function.				

Table 14-1 Floor heating communication object table

4.15 “Fresh air” Communication object

Each fresh air function channel has the same communication object. Taking the communication object of channel 1 as an example, there are a total of 10 communication objects, as shown in Figure 4.15-1.

859	Fresh air	Switch.CH1	1 bit	C R - T -	1-bit, boolean
860	Fresh air	Switch.Feedback.CH1	1 bit	C R W - -	1-bit, boolean
861	Fresh air	Switch.Remote.CH1	1 bit	C - W - -	1-bit, boolean
862	Fresh air	Mode.CH1	1 bit	C R - T -	1-bit, boolean
863	Fresh air	Mode.Feedback.CH1	1 byte	C R W - -	8-bit unsigned value, counter pulses (0..255)
864	Fresh air	Mode.Remote.CH1	1 bit	C - W - -	1-bit, boolean
865	Fresh air	Speed.CH1	1 byte	C R - T -	8-bit unsigned value, counter pulses (0..255)
866	Fresh air	Speed.Feedback.CH1	1 byte	C R W - -	8-bit unsigned value, counter pulses (0..255)
867	Fresh air	Speed.Remote.CH1	1 byte	C - W - -	8-bit unsigned value, counter pulses (0..255)
868	Fresh air	Active.CH1	1 bit	C R W - -	1-bit, boolean

Figure 4.15-1 Fresh air communication object

No.	Object function	Name	Data type	Attribute
859	Switch	Fresh air	1bit/1byte	C,T
	The communication object is visible when the parameter "Switch set" selects "activated". When the fresh air is turned on by pressing the button or the remote object, the communication object sends a message value to report the switch status of the fresh air function.			
860	Switch, feedback	Fresh air	1bit/1byte	C,R,W
	This communication object is visible when "activated" is selected in the "Switch set" parameter, and it is used to receive a message from an external device to turn on or off the fresh air function.			
861	Switch, remote	Fresh air	1bit/1byte	C,W
	This communication object is visible when the parameter "Switch set" selects "activated" and is used to remotely turn on or off the fresh air function.			
862	Mode	Fresh air	1bit	C,T
	The communication object is enabled when the parameter "Mode set" selects "activated". When the fresh air mode is switched by pressing the button or the remote object, the communication object sends a message value to report the current mode of fresh air.			
863	Mode,feedback	Fresh air	1bit	C,R,W
	The communication object is enabled when the parameter "Mode set" selects "activated", and the fresh air mode is switched by receiving the message feedback from the external device through this object. As for the message received by this communication object is 0, it is switched to manual mode or automatic. The mode is determined by the parameter "-auto speed (feedback)".			
864	Mode,remote	Fresh air	1bit	C,W
	The communication object is enabled when the parameter "Mode set" selects "activated", which is used to switch the fresh air mode remotely. As for sending a message 0 to this communication object to switch to manual mode or automatic mode, the parameter "-auto speed (remote) "Decision			
865	Speed	Fresh air	1byte	C,T
	The communication object is effective when the parameter "Speed off / 1/2/3/4/5" selects "activated". When the wind speed in the manual mode is changed by pressing the button or the remote object, this communication object sends the message value to report the current Wind speed.			
866	Speed,feedback	Fresh air	1byte	C,R,W
	This communication object is valid when the parameter "Speed off / 1/2/3/4/5" selects "activated", and it is used to receive a message from an external device to modify the wind speed in the			

manual mode of the fresh air function.				
867	Speed,remote	Fresh air	1byte	C,W
This communication object is valid when the parameter "Speed off / 1/2/3/4/5" selects "activated" and is used to remotely modify the wind speed in the manual mode of the fresh air function.				
868	Active	Fresh air	1bit	C,W
This communication object appears when the parameter "Fresh air function" selects "activated" and is used to enable or disable the fresh air function. Sending message 1 to this communication object enables the fresh air function, and sending message 0 disables the fresh air function.				

Table 15-1 Fresh air communication object table