SATION

Knob Thermostat PM1920 User Manual

Product model：

SATION-PM1920.00XX

珠海世讯科技有限公司

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1 Product Description

Sation Technology knob temperature control PM1920, used to control air conditioning, floor heating and fresh air, built-in temperature and humidity sensor, equipped with operation keys and display screen, set the temperature through the knob, you can also choose 4-fold relay module, with 4-fold switch/curtain actuator function.

The PM1920 is connected to the EIB/KNX system through the bus terminal. The allocation of physical address and the setting of parameters are completed by ETS software.

2 Product Features

Air conditioning Features:

1) Support the control of air conditioning, floor heating and fresh air at the same time.
2) Support refrigeration, heating, air supply, dehumidification, automatic 5 modes.
3) Set the temperature through the knob.
4) Room temperature can choose internal measurement value, external measurement value (the number received by the bus).
5) The wind speed supports automatic, low, middle, high and OFF gear.

Relay function:

Switch actuator:

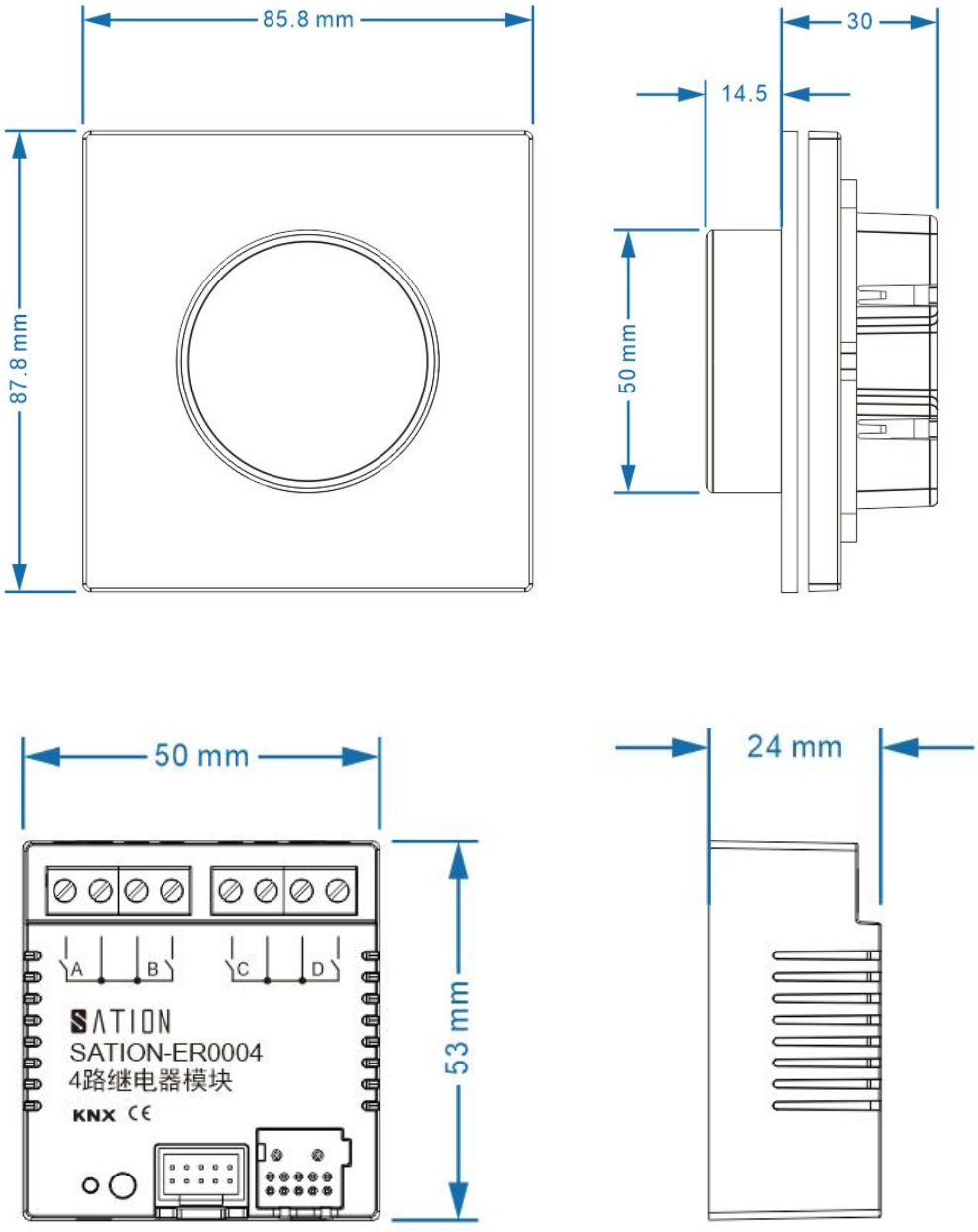
1) Switch function;
2) stair lighting function;
3) Scene function: each channel has 8 scenes to use;

Curtain actuator:

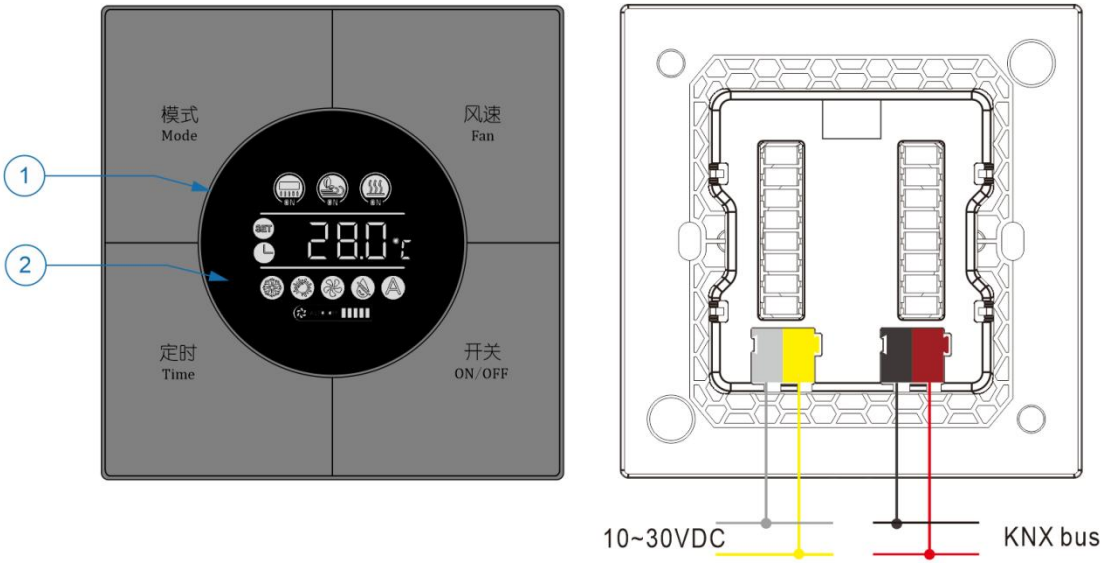
1) Control the curtain motor function;
2) moving up time, moving down time and stopping mode;
3) Scene function: Each channel has 8 scenes to use.

The switch/curtain actuator function can be configured into three applications: 4-fold switch actuator, 2-fold switch actuator + 1-fold curtain actuator, and 2-fold curtain actuator.

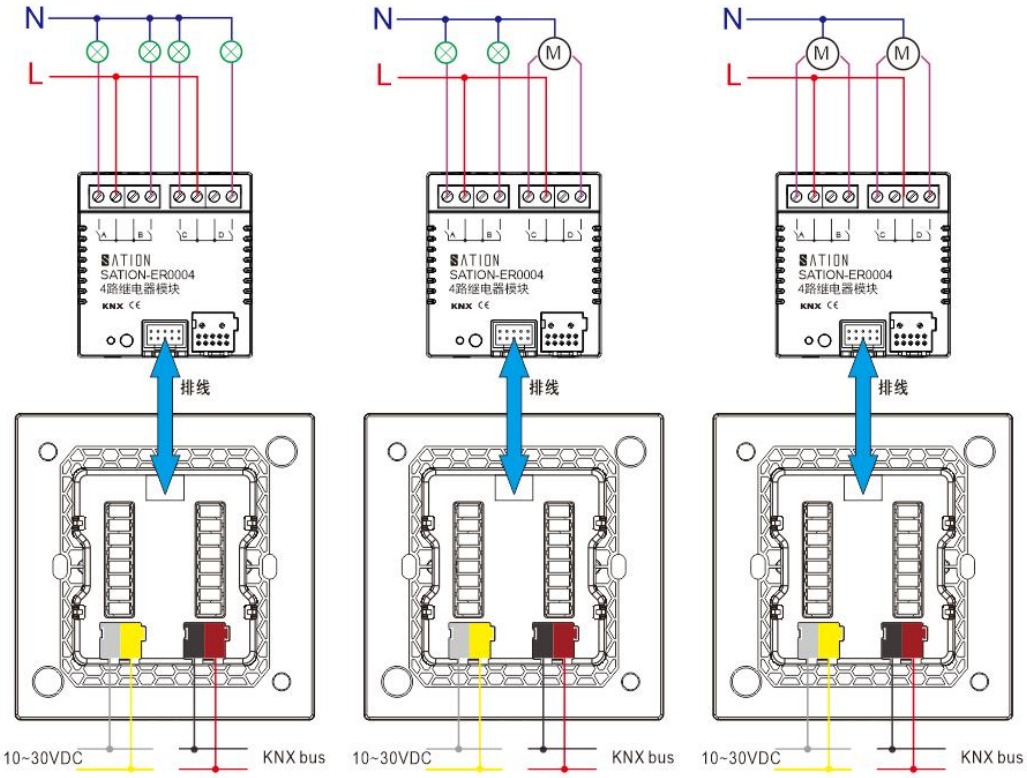
3 Product Dimensions



4 Product wiring



1) LED aperture
2) Setting knob



4路开关执行器　　2路开关+1路窗帘执行器　　2路窗帘执行器

5 How to Use

5.1 On/off machine Settings

Long press [switch button] for more than 3.5 seconds to turn off the temperature control panel, and the air conditioning, floor heating and fresh air will be turned off together (if in the boot state).

Press [switch button] to select the switch state of the equipment, and the corresponding icon will display ON when the device is turned ON, as shown in the following picture:

开机

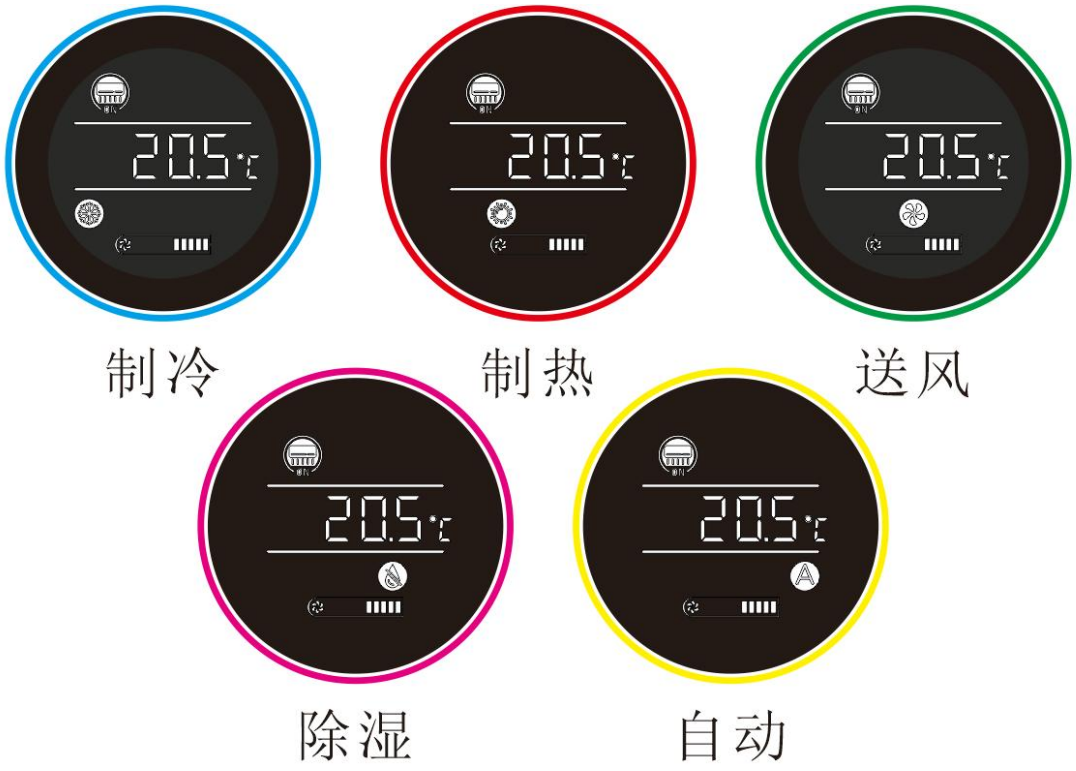
关机

5.2 Mode Settings

When long press [mode button] for more than 3.5 seconds, the air conditioning, floor heating or fresh air function interface can be switched.

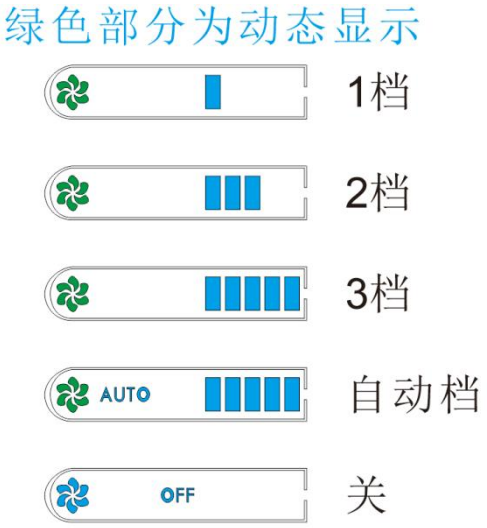
When the mode button is pressed short, refrigeration, heating, air supply, dehumidification and automatic mode can be selected in turn under the air conditioning interface. There is no mode switching between floor heating and fresh air.

The cooling mode LED aperture displays blue, the heating mode LED aperture displays red, the air supply mode LED aperture displays green, the dehumidification mode LED aperture displays pink, and the automatic mode LED aperture displays yellow, as shown in the following figure:



5.3 Wind speed Settings

In the air conditioning and fresh air interface, when pressing the [wind speed button], the equipment will be in accordance with "0 1 2 3 Auto 0 1..." Switch the current fan speed, no wind speed switch for floor heating.



5.4 Programming button and programming instructions

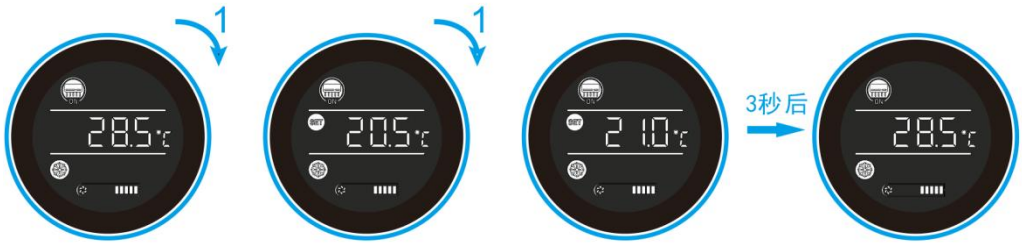
Press the [Mode button] and [Switch button] at the same time for more than 3 seconds to enter the programming mode, the LED aperture shows white and flashes; Press the [Mode button] and [Switch button] again at the same time for more than 3 seconds to exit the programming mode, and the LED aperture displays the color corresponding to the current mode.

5.5 Temperature Settings

The PM1920 display displays room temperature by default, and the air conditioning or floor heating interface knob rotates clockwise or counterclockwise to display the set temperature. After the setting temperature is displayed, rotate the knob clockwise to set the temperature plus 0.5 degrees Celsius; Turn the knob counterclockwise and set the temperature by 0.5 degrees Celsius. There is no temperature adjustment at the fresh air interface.

In the refrigeration mode shown below, the display displays the current room temperature of 28.5 degrees Celsius, rotates the knob clockwise to show the set temperature of 20.5 degrees Celsius, continues to rotate the knob clockwise to set the temperature of 21 degrees Celsius, and displays the current room temperature after 3 seconds without

operation.



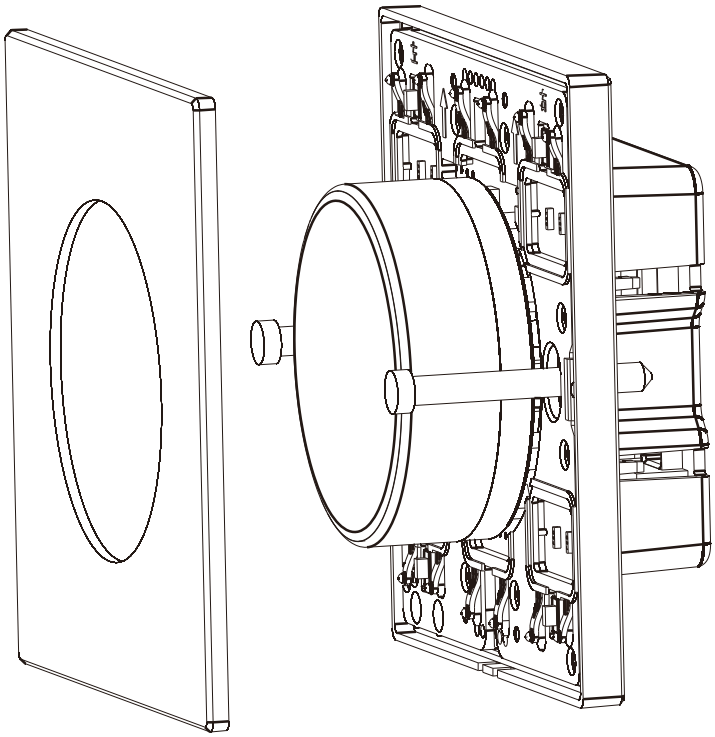
5.6 Timing Settings

PM1920 display displays room temperature by default, press the [timing key] to display the timing value. After displaying the timing value, rotate the knob clockwise to increase the timing value by 0.5 hours; Turn the knob counterclockwise, and the timing value will be reduced and increased by 0.5 hours.

In the refrigeration mode as shown in the following picture, the display shows that the current room temperature is 28.5 degrees Celsius. Press the [timing key], and the screen shows that the current timing value is 2 hours. Rotate the knob clockwise, the timing value will increase by 0.5 hours, and the screen will display the timing value of 2.5 hours. The current room temperature will be displayed after 3 seconds of no operation.

6 Installation Methods

1) Remove keys
2) Secure the product inside the 86 bottom box with mounting screws
3) Mounting button



7 Contact information

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