

A special

Four-button intelligent temperature and humidity controller

- ◆ welcome exhibition
- ◆ products have a long service life and a strong anti-interference ability
- ◆ products are highly integrated, simple structure free from periodic verification
- ◆ adopts some imported components with high reliability

two,, qualification

◆ input signal: 481 temperature, 1 humidity (72 can be extended to 2 temperature, 2 humidity)

◆ working power supply: AC 220V± 10% power consumption: W3W

◆ Frequency range: 50Hz ± 3Hz, response time: 350ms

◆ Temperature measurement range: 0,99 °C, Humidity measurement range: 20' 9%RH

◆ temperature control point: user setting, temperature measurement accuracy: ± rc

◆ humidity start-control point: user setting, humidity control accuracy: ± 5 & RH

◆ Temperature control difference: User setting

◆ output negative I: relay contact output

◆ contact capacity is the most:

◆ contact

◆ insulation 250 VAC, 5A

◆ way to Often open, active type

◆ panel N100MQ, 500V DC and plate installation (embedded

installation) or stuck rail installation

Installation Overall Size: 48x48x90 (mm) Onenine size: 45 * 45 (mm)

the distance: 37mm

◆ panel installation: Amber size: 4848 * 90 (mm) Opening size: 45 * 45 (mm)

Overall size: 72x72x90 (mm) Opening size: 67x67 (mm)

Installation of ◆ sensor: with 35mm rail card slot, also port J is fastened to the appropriate position of the pivot, hole diameter: C4,2, hole distance: 37mm

three,, Temperature and humidity control

1. In the setting state, under the corresponding function characters, press the rise and drop keys to set the data to add 1 and subtract 1.

2. V data description: temperature control setting range of 0~100 £, humidity control feeding range of 0~100%RH, the return value is to prevent the current temperature (humidity) value reaches the critical control value, oscillation, set W will produce the control control within the allowable range, but also reduce the control accuracy, can be at 0~2 according to the actual needs. Select it. Control value, after the return difference value is set, the instrument will automatically calculate and generate the difference control absolute value (return no control absolute value-control value-return difference value).

3. For example, when the cooling method is 1, the start control value is set to 40 degrees, I call the difference value is set to 10 degrees, the absolute value =40-10=30 degrees (that is, stop working at 30 degrees). The temperature operation mode is selected according to the ambient temperature control needs. Two kinds of action. And 1, for example: working mode selection. The heating type is that the ambient temperature can not be lower than the control value, once the ambient temperature is lower than the control value, immediately start heating. Start control value is set to 5 degrees, difference value is set to 10 degrees, return difference value =5 + 10=15 degrees (that is, stop working at 15 degrees). The first row shows 3, and the second row shows the temperature operation mode. The initial value is 0 (heating type), changed to 1 (cooling type) degrees).

4. Humidity the first line shows 4, row shows the humidity start value. The initial value control, for example: ". Choose how to get wet. When, the is 90 start control value is set to 90, the difference value is 10, Low shows 5 and humidity return values. The initial value is 10 and the difference absolute value =90-10=80 degrees (i. e., stop working at 80 degrees). When humidification type 1 is selected in working mode, start control value 60, return difference value 10, return difference absolute value =60 + 10=70 degrees (i. e., stop working to 70 degrees).

four,, operation declaration

Press the setting key, SET, and the first line shows the "P" character, indicating that the product enters the setting state

1. Press Set key SET to display P (when the sensor is not connected, the meter displays "one" 4 bars)

2. Press the set key again, the first line shows 1, and the second line shows the temperature start value. The initial value is 05

3. Press the Setup key,

4. Press the Setup key,

5. Press the Set-Up key again.

6. Press the Setup key,

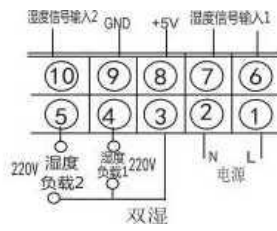
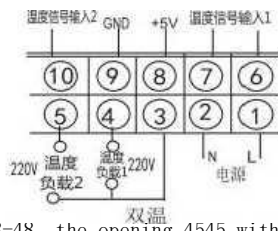
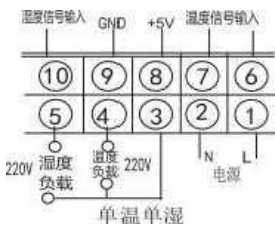
7. Press the Setup key.

8. Press the Setup key,

9. Press the Setup key,

10. Press the manual / automatic button, all prompt lights on, load output I. Do, then press the manual button hand / self light out, in the automatic working profile

five,, hookup



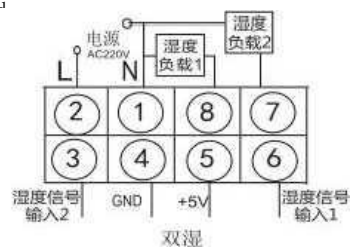
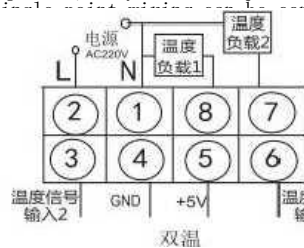
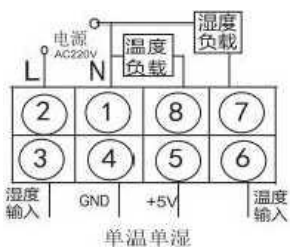
48-48, the opening 4545 without communication Note: if it is a single temperature or single wet, only the

GND i @ 3 ^ U
RS4350 RS KA wide III!

Back panel diagram of temperature and humidity controller of hole 7767 of 72 * 72

										⑩	◎		⑦	⑥
	◎			①		◎	c)		◎	◎			o
X 220V just										T 220v 3⑧ an				shov el, V
Single				Double temperature				DouB						

Note: If it is single temperature or single wet, only the corresponding paired



Wiring diagram for rail installation Note: If it is single temperature or



Three-button intelligent temperature and humidity controller

one,, summary

Intelligent temperature and humidity controller adopts analog power bed output temperature and humidity sensor, which displays the temperature and humidity value in digital pipe mode, with fan, heater contact, heater disconnection alarm, sensor fault indication and other functions. The product can also be equipped with RS485 communication interface or alarm switch output, used to realize the environmental temperature, humidity value and working state parameters up to the machine, suitable for the requirements of unattended substation requirements. Users can program arbitrarily set the upper and lower limits of temperature and humidity, cycle display mode, communication parameters, etc. Strong anti-interference ability, high reliability, compliance, GB / T15309-1994 standard.

two,, Product characteristics

- ◆ advanced production technology, product quality first show:
- ◆ adopts the temperature and humidity type of analog voltage output sensor, with high measurement accuracy and convenient wiring:
- ◆ each road measurement corresponding to 2 control output contacts, can be connected to the heater and the fan respectively;
- ◆ through the key programming, users can arbitrarily set the control parameters and controller operating parameters;
- The ◆ instrument setting data is permanently saved, not lost after power loss:
- The ◆ has a very strong anti-electromagnetic interference capability:
- The ◆ has the password protection function;

three,, The Product Operation Guide:

Press keys from left to right: SET (set key), ADDR (key), SUBB (minus key).

1. The S E T key is pressed for about 3 seconds, and the first line shows the "A" character, indicating that the product enters the set state. The top three digital tube display function character meaning, meaning, the bottom three digital tube display set value. (Character meaning: A indicates the set temperature control value is the action value; b represents the set temperature return value; C represents the temperature detection sensor data correction value; d indicates the temperature working mode: E means the set humidity control value is negative humidity action value: F indicates the set humidity return value: L indicates the humidity working mode: H indicates the humidity detection sensor data correction value.)

Note: For the individual-road temperature or humidity, A represents the set control action value, b indicates the set return difference value, C represents the detection sensor data correction value, and d indicates the working mode

2. In the set state, under the corresponding function characters, press the ADDR and SUBB keys to set the data to add 1 and subtract 1. If the ADDR or SUBB keys are not pressed, the set data will continuously increase or decrease continuously until the required data ends.

3. Set data description: temperature control setting value range of 0~100° C, humidity control setting range of 0~100%RH, the return value is to prevent the current temperature (humidity) value reaches the critical control value, control oscillation, the setting of the control shock control within the allowable range, but at the same time

Low control accuracy, ding according to the actual needs in the 020 selection. Control value, after the difference value is set, the instrument will automatically calculate and generate the difference control absolute value (return difference control absolute value two control value-return difference value).

4. For example, when the working mode is selected, the temperature is started below 10 degrees, and the heating is stopped above 15 degrees: the control value is set at 10 degrees, the difference is set to 5 degrees, and the absolute value =10 + 5=15 degrees. Heat up type is the ambient temperature can not be lower than the control value, the ambient temperature-Dan is lower than the control value immediately start heating. For example, when the working mode is cooling, the temperature is started above 38 degrees and stopped below 33 degrees: the control value is set at 38 degrees, the return value is set at 5 degrees, and the absolute return value is 38-5 33 degrees. Cooling type is that the ambient temperature can not be higher than the control value, once the ambient temperature is higher than the control value, immediately start refrigeration. Note: The temperature operation mode is selected according to the ambient temperature control needs. There are two working methods of 0 and 1, optional heating type 0 or cooling type L

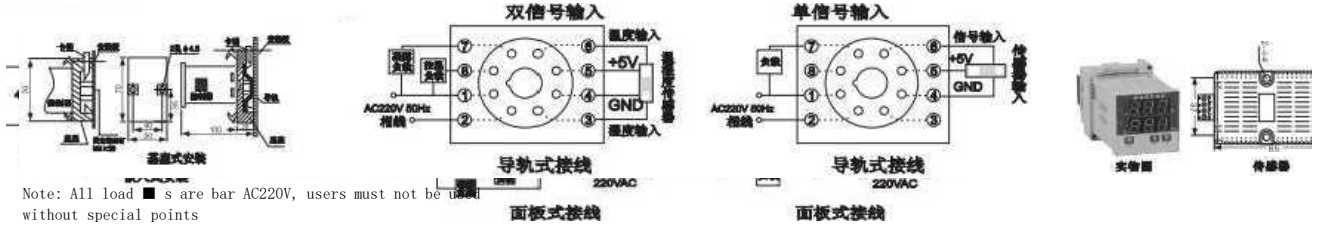
Humidity working mode is selected according to the need to control the environmental humidity. There are two types of operation

0 and 1, optional-wet type 1 or humidification type 0.

IV. Technical indicators

survey «%IH range	Lake Level T npcra <uro	-40.0V-*99.9C
	Humidity: Humidity	
Accuracy	Mixed light for Temperature	±1.C
	Mix Humidity	Shi 4%
Technology Vi Tochmoal Speprftoatkxis	Heating up, ift	-40.0V-M0.0X :
Cut parameters set fan.Guo Control parameter settinQ range	Dragons &	0.0PT100.0X?
	Temperature control TW * trouble confid	1%-99%
Kan Oabncc vdue	Point as fti Capacity (ntdct output	0~40 (. or%) 0 * 40 (X o r%)
	Communication is connected to [] Comms heart tion imortAoa	AC250V/5A
		RS485.MODBUS (RTU) i ^ discussion RS485.MODBUS (RTU) protocol

V. Wiring diagram



Note: All load ■ s are bar AC220V, users must not be used without special points