Description:

XY-TR01 Temperature and humidity module high-precision digital display word double output automatic constant temperature and humidity panel.

Product adopts industrial grade chip, high precision SHT20 temperature and humidity sensor.

Feature:

Support UART;

LCD high-definition display;

Support measurement temperature and humidity at the same time;

Support Micro USB input;

Working mode is adjusted automatically;

High precision detection.

Parameter:

Temperature range: -20 -60

Humidity: 00%-100%RH

Control accuracy: 0.1 , 0.1% RH

Detection probe: integrated sensor

Output type: relay output

Output capacity: maximum 10A

Dimensions: 57*60*20mm

Function:

Temperature function:

1. automatic work mode recognition

2. Cooling

3. heating

4. temperature correction function

Humidity function:

1. automatic work mode recognition

2. dehumidify

3. humidify

4. humidity correction function

Remote reading/setting parameters

Real-time temperature/humidity reporting

Relay enable function (enabled by default)

How to use:

Step 1: Connect Sensor Controller

Step 2: Connect to Power Supply Controller

Step 3: Adjust Start Temperature, Stop Temperature and Temperature Correction

Step 4: Set Start Humidity, Stop Humidity and Humidity Correction

Step 5: Switch relay output according to requirement;

Step 6: Remove Power

Step 7: Connect To Load With Power On Relay Output If Needed To Step5

Step 8: Connect To Power For Controller Again

Step 9: Test and Work

Set Parameters:

1.Working Mode:

The system automatically recognizes the working mode according to the start/stop temperature and the start/stop humidity.

2. How to use the start/stop temperature function?

Press and hold the "TM +"/ "TM-" button for more than 3 seconds to enter the startup/stop temperature setting interface. The parameters can be changed by the "TM +" and "TM-" buttons. After the parameters are changed, wait for 6s and it will save and exit automatically.

3. How to start/stop humidity function?

Hold on the "RH+"/"RH-" button for more than 3 seconds to set the minimum/maximum value of humidity. The parameters can be changed by "RH +" and "RH-" buttons. After the parameters are changed, wait for 6s and it will save and exit automatically.

Application:

control box

Production workshop

Hatching aquaculture control

Obacco industry

Print house

Aquarium Temperature Control

Bedroom

Remark:

It is a relay output mode and cannot be used as a power module. It can not output voltage. The load must be connected to a separate power supply.

Temperature relay output

DC 6.0-30V power supply

Humidity relay output

1 Meter humidity temperature sensor probe

Temperature relay indicator

Temperature detection

Charging port (Support 5.0 Micro USB)

Humidity relay indicator

Temperature working mode (Heating/Cooling)

Humidity detection

Humidity working mode (Enhancement/Dehumidification)

TM+   TM-   RH+   RH-

Temperature "+"   Temperature "-"   Humidity "+"   Humidity "-"