

#### Description:

- **Temperature range:** -9-99 centigrade
- Accuracy: 1 centigrade
- Control accuracy: 1 centigrade
- **Setting Range:** -9-99 centigrade
- Refresh rate: 0.5S
- Input Power: DC12V
- Output: relay output, capacity 220V 10A / 12V 10A
- **Environmental requirements:** -10-60 centigrade
- Humidity: 20% -85%
- **Size:** 78x51mm
- **temperature sensor:** NTC(3950-10k 1%)
- Applicable to Various spatial temperature control, Water temperature control, Incubators, etc

#### Lights, digital tube, key state description

##### Red start Indicator:

- START (red) indicator light, which means that the relay is closed, the device begins to work

##### Green stop light:

- Stop (green) light is on, which means that the relay is disconnected, the device stops working

##### Digital Tube

- Middle red LED display for the current detection temperature, the left green digital display tube as set start temperature, the right side of the green digital display for the set stop temperature.

#### Operating Instructions

##### 1 High temperature start:

- Set the starting temperature value > stop temperature value,
- When the detected temperature  $\geq$  start temperature, the relay is closed, refrigeration equipment work;
- When the detected temperature  $\leq$  stop temperature, the relay off, refrigeration equipment stops working
- For example: Set the starting temperature is 30 centigrade , stop temperature is 25 centigrade ,
- When the detected temperature  $\geq$  30 centigrade , the relay is closed, the start Indicator (red) lights;
- When the detected temperature value  $\leq$  25 centigrade the relay off, stop Indicator (green) light.

##### 2 cold start: start temperature set value

- When the detected temperature  $\leq$  start temperature relay is closed, the heating device operates;
- When the detected temperature  $\geq$  stop temperature, the relay off, the heating device is stopped.
- For example: Set the starting temperature is 25 centigrade , stop temperature is 30 centigrade ,
- When the detected temperature value  $\leq$  25 centigrade , the relay is closed, the start Indicator (red) lights;
- When the detected temperature  $\geq$  30 centigrade , the relay off, stop Indicator (green) light.

##### 3 set to start when the temperature value = stop temperature value, the relay off