

# XH-W1401 Intelligent Digital Thermostat Temperature Control Sensor



## **Description:**

- Imported high-speed microcontroller, precise Intelligent Control
- Three window display at a glance
- Setting is simple, easy to operate
- Wide Range -9 ~ 99 °C arbitrarily set
- Space for a variety of temperature control, temperature control, incubators, etc.

## **Feature:**

- Temperature range: -9-99 °C
- Accuracy: 1 °C
- Control accuracy: 1 °C
- Setting Range: -9-99 °C
- Refresh rate: 0.5S
- Input Power: DC12V
- Output: relay output, 10A
- Environmental requirements: -10-60 centigrade
- Humidity: 20% -85%
- Temperature sensor: NTC(3950-10k 1%)
- Size: 78mm (length) x 50mm (width)
- Power consumption: quiescent current  $\leq 40\text{MA}$ , pull current:  $\leq 65\text{MA}$

## **Usage:**

Connect the power supply and equipment to the controller power is displayed as a measure temperature, set up according to their needs STAR or STOP, the thermostat 10A relay outputs to meet a variety of high-power loads, connect the control circuit, for the thermostat to power

### **Start indicator, LED and buzzer status description:**

- Start indicator: START (red) indicator light, said the relay is closed, the machine starts to work
- Stop lights: STOP (green) light is on, the relay is lost, the device stops working
- Digital tube: middle red LED display for the current temperature detected  
Yellow LED on the left to set the start temperature  
Right side of the yellow LED is set to stop temperature

### **Key:**

- START "▲ ▼" to set the starting temperature
- STOP "▲ ▼" set the stop temperature

### **Hot start - cooling mode**

When setting the start temperature value > stop temperature, 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 start temperature is 30 °C, stop temperature is 25 °C, when the detected temperature  $\geq 30$  °C, the relay is closed, start indicator (red) light; when the detected temperature  $\leq 25$  °C, the relay off, stop instruction light (green) light.

### **Cold start - heating mode**

When setting the start temperature