Temperature controlled switch

一． Temperature controlled switchSDIT-TTC01/ Type SDIT-TTC01

The appearance picture of temperature controlled switch refers to the physical sample

Temperature controlled switch Wiring diagram：

wire color	black	white	red	yellow	blue	yellow and green
function	AC input line	AC output line	20A connector	10A connector	water lever connection probe	metal enclosure(ground)
Note: the following products shall be used in strict accordance with this color, and the customer shall be connected in strict accordance with the wiring requirements.For water level detection to work effectively, the ground wire must be connected.						

二． Temperature controlled switch features (especially suitable for disinfection cabinet, steamed rice cabinet)

1. Internal use of switching power supply design, high efficiency and energy saving, standby power consumption is less than 0.3w, and can adapt to AC170 to 390V ultra-wide working voltage
2. Intelligent circuit design, with perfect protection function
3. Large knob with indication design, easy to operate, digital display
4. Optimize the structure design, easy to install and use

三． Temperature controlled switch technical parameters

	Temperature controlled switch technical parameters		note
1	AC input	170-380V,47-63Hz； 0.3WStandby power consumption is lower than 0.3w	Suitable global voltage
2	Measurement of the input	One temperature sensor	According to the customer's demand, the corresponding probe type is selected Temperature control range from -25℃ to 220℃
3	Lack of water detection	one	Make sure the ground connection is made
4	two ways to control the output	Heating relay 30A, maximum long break power 3.5kw (resistance)	On/off power is only pure resistance load, if it is inductive or capacitive load of motor, it will

			be reduced by 50%. If the customer USES 380V three-phase power, the control box can work normally, but the relay terminal can only be connected to the ac contactor to control the on-off and off-off of 380V three-phase electrical appliances.
		Fan relay 16A, maximum long break power 2KW(resistance)	
5	temperature resolution	±1℃	
6	Temperature hysteresis	2℃	
7	work environment	温度-10℃至 45℃	

四. Temperature controlled switch Instructions

	Temperature controlled switch function description	Instructions
1	Power on, turn off after all indication is on once	
2	increments. In the state of timing startup, the indicator light of time unit flashes all the time.	Clockwise rotation of the knob is plus, counterclockwise rotation is minus;
3	Long press 3S to start the product and turn the knob to set the control temperature.The temperature unit indicator flashes when set.	The control logic is: when the detection point temperature reaches the set temperature +2 ° c, the output control terminal will automatically disconnect the power supply. When the temperature reaches the set temperature -2 ° c, the relay will snap on and start heating.
4	After setting the control temperature, press 1S to enter the timing shutdown setting, step for 5 minutes, and the time unit flashes when setting	
5	When the sensor's induction temperature is higher than 50℃, the fan relay is activated when the sensor is turned on, and the fan starts to operate. During the operation, the set temperature and the real-time temperature are displayed alternately	
6	When the running time is complete, the fan is turned off after a delay of 5 minutes	
7	Fault report EE temperature sensor fault, E5 water shortage	