

HRTC-C

Temperature Control Module

Features

- ◆ Dual lines LED display, Easy operation
- ◆ Unit display
- ◆ Auto/Manual/Standby function
- ◆ PID auto temperature control
- ◆ Selectable Load current / Output percent display
- ◆ Selectable two thermocouple types (J or K)
- ◆ Can display thermocouple types (J or K)
- ◆ Selectable two temperature scales (°C or °F)
- ◆ Selectable two trigger output modes (Zero cross or phase angle)
- ◆ Multi diagnostic & alarm function
- ◆ Multi self-protect and equipment-protect function
- ◆ Selectable two start modes (Soft-start or Full-speed)
- ◆ 3-levels parameters, use lock to keep high level parameters safe
- ◆ Recover parameters default easily
- ◆ Calibration function



Specifications

Power Supply	AC85~ 265V, 50/60Hz	Consumed Power	< 2.5W
Control Mode	Auto-PID / Manual	Output Type	Zero Cross / Phase Angle
Sensor Type	Thermocouple J or K	Measurement Range	0~500℃ (0~900°F)
Measurement Accuracy	±0.25% FS	Setting Range	0~450℃ (0~842°F)
Control Accuracy	±0.25% FS	Load Capacity	15A, 3600W @ 240Vac
Working Temperature	0~50℃ (0~122°F)		
Storage Temperature	-20~70℃ (-4~158°F)	Switching Mode	Rocker Switch
Working Humidity	10~80%RH (No condensing)		

Diagnostic Functions

Alarm when the followings occurred

- Ultra-high or ultra-low Temperature
- Thermocouple break, short or inverse
- Thermocouple is out of its position
- Heater break, short or overload
- Output device is damaged

Protection Functions

- Wide power supply range, AC85~400V
- Thermocouple input protection, prevent module damaged by mis-connection
- Thermocouple & heater inverse protection, prevent thermocouple damaged by mis-connection
- Soft-start mode, avoid the moisture make the heater burn out