

TempEase HRCII Control Module



Features

- Dual lines LED display, Easy operation
- Auto /Manual/Standby function
- Selectable load current / output percent display
- Selectable load current limited
- Selectable two temperature display resolution (1 or 0.1 unit)
- Selectable two 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 soft-start function to dehumidify the heater
- Remote standby input or alarm output is optional
- Compatible with DME, YUDO, etc.

Technical Specifications

Power Supply	AC85~ 265V, 50/60Hz	Display Unit	Upper: 3-digit LED, red Lower: 4-digit LED, green
Sensor Type	T/C J or K	Setting Range	0-450°C (32-842°F)
Measurement Range	0~450°C (32~842°F)	Control Mode	Auto-PID/Manual
Measurement Accuracy	±0.25% FS	Output Type	Zero Cross/Phase Angle
Control Accuracy	±0.1% FS	Load Capacity	15A, 100~3600W @ 240Vac
Power Switch	Rocker Switch	Working Humidity	10~85%RH (No condensing)
Working Temperature	0~55°C (32~132°F)		

Alarms

- 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
- Thermocouple & heater misconnection
- Fuse broken
- Power supply is over voltage



Protections

- Over voltage self-protected, and shut off output to protect heater
- Thermocouple input protection, prevent module damaged by misconnection
- Thermocouple & heater inverse protection, prevent thermocouple damaged by misconnection
- Soft-start mode, avoid the moisture make the heater burn out
- Maximum load current can be limited