

HOT RUNNER TEMPERATURE CONTROLLER

Temperature control is a very important element of injection process. Our HR-50 & HR80 series offered by the company enables the choice of the right temperature controller for each injection process.

Features of HR-80 series

- **Soft start** - extended function of drying heaters at lower supply voltage. During soft start the leakage current from the heater to the ground is measured. This function protects the heater from burnout (a wet heater will not be switched on).
- **Automatic emergency mode** - when heat sensor has been damaged, temperature controller automatically switches off. And, with error message when fuse burn-down / Heater break / Thermocouple break, short, open and reverse wiring.
- **Two operation modes** - Auto-tuning for normal operating or Manual to allow power output to be adjusted manually.
- **Multi-indications** - Dual display for PV & SV / Temperature unit °C or °F / Output / Alarm / Soft start / Auto-tuning ...
- **Boost mode** - with display for temporary % of power output and output current.
- **Universal power** - Voltage 85~265VAC (50/60Hz)



Specification of Temperature Control Module TC-HR801

- Selectable Thermocouple type K or J
- Selectable Temperature unit for °C or °F
- Thermocouple Range: 0~450°C
- Selectable six alarm modes
- Selectable two trigger output mode by Zero-cross or phase angle
- Lockable Parameter setting
- With error message display



Model No.	Zone
HR801	1 zone
HR802	2 zones
HR803	3 zones
HR804	4 zones
HR806	6 zones
HR808	8 zones
HR810	10 zones
HR812	12 zones

Specification for HR-50 series

Model No.	HR-501	HR-502	HR-503	HR-504	HR-506	HR-508	HR-510	HR-512
ZONE Number	1 zone	2 zones	3 zones	4 zones	6 zones	8 zones	10 zones	12 zones
Output factory per zone	220V 3500W 16 Amps	220V 3500W 16 Amps	220V 3500W 16 Amps	220V 3500W 16 Amps	220V 3500W 16 Amps	220V 3500W 16 Amps	220V 3500W 16 Amps	220V 3500W 16 Amps
SSR Output or RELAY Output	250VAC 25A or 250VAC 16A	250VAC 25A or 250VAC 16A	250VAC 25A or 250VAC 16A	250VAC 25A or 250VAC 16A	250VAC 25A or 250VAC 16A	250VAC 25A or 250VAC 16A	250VAC 25A or 250VAC 16A	250VAC 25A or 250VAC 16A
Output Connector	6 Poles 400V 16A	10 Poles 400V 16A	16 Poles 400V 16A	16 Poles 400V 16A	24 Poles 400V 16A	16 Poles 400V 16A	24 Poles 400V 16A	24 Poles 400V 16A
Breaker	X	X	3P 415V 63A	3P 415V 63A	3P 415V 63A	3P 415V 63A	3P 415V 63A	3P 415V 63A
Power Cable	1φ 2P 220VAC 3.5mm ² x 3C 4M long	3φ 2P 220VAC 3.5mm ² x 3C 4M long	3φ 3P 220VAC 5.5mm ² x 4C 4M long	3φ 3P 220VAC 5.5mm ² x 4C 4M long	3φ 3P 220VAC 5.5mm ² x 4C 4M long	3φ 3P 220VAC 8.0mm ² x 4C 4M long	3φ 3P 220VAC 8.0mm ² x 4C 4M long	3φ 3P 220VAC 8.0mm ² x 4C 4M long

