

SOLID STATE TEMPERATURE CONTROL

The Series 120/120R family of low cost, solid state temperature controls provide an ideal upgrade path for cost sensitive applications which can benefit from the improved performance and reliability of an electronic controller. A wide variety of control configurations, mounting arrangements and sensor types allow these controllers to readily replace bulb & capillary or other more expensive electronic controls. CE mark, now available on selected models, satisfies the requirements for European applications.

HIGHLIGHTS

- low cost
- completely enclosed
- UL Class 2 low voltage sensor circuit
- variety of mounting options
- CE mark on selected models
- full two-year parts & labor warranty

FEATURES

- 115/230VAC field selectable input
- ON-OFF control mode standard
- 20 AMP output relay on most models
- NTC thermistor, PRTD or TC sensors

OPTIONS

- 24VAC input voltage
- Time proportioning mode available
- Fixed, remote or local setpoint adjustments
- Encapsulated versions available
- Custom setpoint ranges

PRODUCT applications

- Dryers
- Holding Cabinets
- Environmental Chambers
- Packaging Equipment
- □ Fryers, Griddles & Ovens
- Steam Kettles
- Laboratory Baths
- □ Steam Cleaning Equipment
- Incubators
- Hot Melt Dispensers

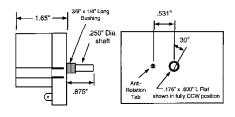






SOLID STATE TEMPERATURE CONTROL

specifications



Power Input: 115/230VAC +/-15%, 50/60Hz

(field selectable); 24VAC +/-10% optional

Control Output: SPST N.O. Relay rated 20 Amp Res. and

1 Amp Pilot Duty @ 120/240VAC (thermistor & RTD controllers only)

SPST N.O. Relay rated 3.8(1.9) Amps Res. and 1.5(0.8) Amp Pilot Duty @ 120/240VAC

(thermocouple controllers only)

Control Mode:

On-Off with 2°F (specials on request)

Sensor Type:

Thermistor, RTD or Thermocouple

Overlapping ranges from 0°F to 2000°F

Setpoint Range:

depending on sensor type selected

(specify when ordering)

Setpoint Accuracy:

Typically better than 1% of span

Stability:

Typically better than +/-1°F over allowable

ambient operating temperature or with

+/-10% line voltage variation

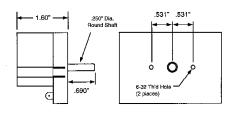
Amb. Oper. Temp:

 0°C to 70°C (32°F to 158°F)

Oper. Relative

Humidity:

: 5 to 90%, non-condensing

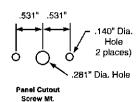


.531"

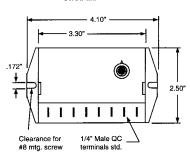
Bushing Mt.

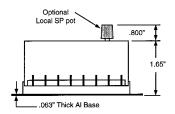
.125" Dia.

Hole



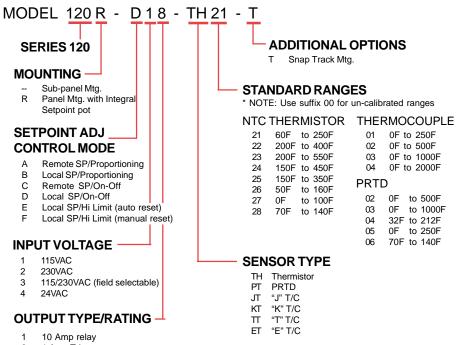
.375" Dia.





SOLID STATE TEMPERATURE CONTROL

ordering information



- 2 1 Amp Triac
- 4 10 Amp Triac
- 5 20 Amp remote Triac
- 7 3 Amp relay
- 8 20 Amp Relay
- 9 24VDC to drive external SSR
- 22 Open collector transistor