

ETR-805 1/8 DIN TEMPERATURE CONTROLS

INPUT

- Type J or K Thermocouple with cold junction compensation
- RTD, PT100 ohm DIN or JIS calibration, 2 or 3 wire
- Upscale input break protection on open sensor

OUTPUT

- SPDT 3 AMP relay
- 3-32VDC to drive external solid state relay
- 4-20mA for external SCR

CONTROL MODE

- Time proportional with manual reset
Manual reset 2.6% of scale—externally adjustable
Proportional band fixed at 2.2% of scale
Standard relay cycle time, 20 seconds
Standard SSR cycle time, 1 second
- On/Off
Hysteresis: 0.5% of scale symmetrically above and below set point

AUXILIARY OUTPUT:

- High or low limit; SPST 3 AMP relay \pm 0 - 10% of scale, adjustable

INDICATION

- 1/2" red LED temperature display
- Pilot lamps indicate power to load

SET POINT METHOD

- Push button digital

Set Point Accuracy: \pm 0.2% of scale

Set Point Resolution: Least significant digit

Display Accuracy: \pm 1% for thermocouple
 \pm 0.3°C for RTD

Wiring: Screw terminal strip on rear of unit

Common Mode Rejection: 120dB

Normal Mode Rejection: 60dB

Input Impedance: 10M ohms

Operating Conditions for Rated Accuracy:

14 - 122°F (-10 - 50°C), 0 - 90% RH
(non-condensing)

Dielectric Strength: 2000VAC, 50/60Hz, 1 minute

Insulation Resistance: 20M ohms (5000VDC)

Vibration: 10 - 55Hz, amplitude 1.0mm

Shock: 660 ft/S² (20g)

Supply Voltage: 90 - 264VAC, 50/60Hz,
20 - 32 VAC/DC optional

Size: H - 3 3/4" (96mm)

W - 1 7/8" (48mm)

D - 3 3/8" (79mm)

Depth behind Panel: 2 1/2" (64mm)

Panel Cut-out: 1 25/32" (45mm) x 3 3/8" (92mm)

Weight: 8 oz. (227 grams)