ETR-404 & ETR-406 ¼ DIN TEMPERATURE CONTROLS

INPUT

- Type J or K thermocouple with cold junction compensation
- RTD, PT100 ohm DIN or JIS calibration, 2 or 3 wire
- 4-20mA
- 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

- Proportional with manual reset
  Manual reset 2.6% of scale, front panel 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 OPTION

- High or low limit; Spst 3 AMP relay, ± 0 - 10% of scale - adjustable

INDICATION

- ⅝" red LED temperature display
- LED lamp to indicate power to load

SET POINT METHOD

- Pushwheel set point adjustment on ETR-406
- Analog potentiometer set point adjustment on ETR-404

Set Point Accuracy: ± 0.1% of scale or ± 1 digit
Set Point Resolution: Least significant digit
Display Accuracy: ± 1% for thermocouple
± 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
Dielectric Resistance: 20M ohms (5000VDC)
Vibration: 10 - 55Hz, amplitude, 1.0mm
Shock: 660 ft/S^2 (20g)
Operating Conditions for Rated Accuracy:
14 - 122°F (-10 - 50°C)
0 - 90% RH (non-condensing)
Supply Voltage: 90 - 264VAC, 50/60Hz,
20 - 32VAC/DC optional
Size: 3¾" x 3¾" x 2⅝" (96mm x 96mm x 67mm)
Depth behind panel: 2" (51mm)
Panel Cut-out: 3⅝" x 3⅝" (92mm x 92mm)
Weight: 10 oz. (285 grams)