

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, $\pm 0 - 10\%$ of scale - adjustable

INDICATION

- ½" 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: $\pm 0.1\%$ of scale or ± 1 digit

Set Point Resolution: Least significant digit

Display Accuracy: $\pm 1\%$ for thermocouple
 $\pm 0.3^{\circ}\text{C}$ 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/S² (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: 3¼" x 3¼" x 2½" (96mm x 96mm x 67mm)

Depth behind panel: 2" (51mm)

Panel Cut-out: 3⅝" x 3⅝" (92mm x 92mm)

Weight: 10 oz. (285 grams)