

ETR-401 & ETR-402 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
- 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
ETR-402 - Manual reset 2.6% of scale, front panel adjustable
Proportional band fixed at 2.2% of scale
Standard relay cycle time, 20 second
Standard SSR cycle time, 1 second
- On/Off
Hysteresis 0.5% of scale symmetrically above and below set point

INDICATIONS

- Deviation meter $\pm 10\%$ of scale on ETR-402
- Pilot lamps indicate power on to load

SET POINT METHOD

- Analog potentiometer set point adjustment

Set Point Accuracy: $\pm 1\%$ of scale

Set Point Resolution: 0.2% of scale

Wiring: Screw terminal strip on rear of panel

Common Mode Rejection: 120dB

Normal Mode Rejection: 60dB

Input Impedance: 10M ohms

Dielectric Strength: 2000VAC, 5-/60Hz, 1 minute

Insulation Resistance: 20M ohms (500VDC)

Vibration: 10 - 55Hz, amplitude 1.0mm

Shock: 660 ft/S² (20g)

Operating Condition for Rated Accuracy:

14 - 122°F (-10 - 50°C)

0 - 90% RH (non-condensing)

Supply Voltage: 100 - 130/200 - 260VAC, field selectable, 50/60Hz

Size: 3 $\frac{3}{4}$ " x 3 $\frac{3}{4}$ " x 2 $\frac{5}{8}$ " (96mm x 96mm x 67mm)

Panel Cut-out: 3 $\frac{5}{8}$ " x 3 $\frac{5}{8}$ " (92mm x 92mm)

Depth Behind Panel: 2" (51mm)

Weight: 14 oz. (400 grams)