GREYSTONE
ENERGY SYSTEMS INC

# ROOM TEMPERATURE TRANSMITTER WITH LCD

TXRCL Series

The TXRCL series room temperature transmitter with LCD display is an attractive, low profile enclo[illegible] incorporates a precision temperature sensor and a transmitter that provides a high accuracy signal with excellent l[illegible]g-term stability, low hysteresis and fast response for measurement of room temperatures. Additional options are available manual override, communications jack & fan speed control.

## PRODUCT HIGHLIGHTS

- Compact form factor
- Mountable directly to a single gang electrical box or directly to a wall
- Custom branding available

## PRODUCT SPECIFICATIONS

| DESCRIPTION | ENGINEERING SPEC |
|---|---|
| POWER SUPPLY | 24 Vac/dc ±10% (non-isolated half-wave rectified) |
| CONSUMPTION | 20 mA + (20 mA x number of outputs) max @ 24 Vdc |
| INPUT VOLTAGE EFFECT | Negligible over specified operating range |
| PROTECTION CIRCUITRY | Reverse voltage protected and output limited |
| OUTPUT SIGNAL | 4-20 mA, 0-5 Vdc or 0-10 Vdc (factory configured) |
| OUTPUT RESOLUTION | 10 bit for all signals |
| OUTPUT DRIVE CAPABILITY | **Current:** 550Ω max<br>**Voltage:** 10,000Ω min |
| PROGRAMMING AND SELECTION | Via push buttons and on-screen menu |
| OPERATING CONDITIONS | 0 to 50°C (32 to 122°F), 5 to 95 %RH non-condensing |
| WIRING CONNECTIONS | Screw Terminal block (14 to 22 AWG) |
| ENCLOSURE | White ABS, IP30 (NEMA 1) |
| ENCLOSURE DIMENSIONS | 84mm W x 117mm H x 29mm D (3.3” x 4.6” x 1.15”) |
| LCD DISPLAY | **Size:** 38.1mm W x 16.5mm H (1.5” x 0.65”)<br>**Digit Height:** 11.43mm (0.45”)<br>**Symbols:** °C, °F, OCC<br>**Backlight:** Enable or disable via menu |
| TEMPERATURE | **Accuracy:** ±0.2°C (±0.4°F)<br>**Range:** 0 to 35°C (32 to 95°F) or 0 to 50°C (32 to 122°F) programmable<br>**Offset:** ±9°F programmable<br>**Units:** °C or °F programmable<br>**Resolution:** 0.5° < 100°, 1° > 100° |
| OPTIONAL OVERRIDE | **Front Panel Push Button:** 2 wire dry contact<br>**Switch Ratings:** N.O., SPST, 50 mA @ 12 Vdc |
| OCCUPIED INPUT | **Signal Type:** Digital input,0/5 Vdc or dry contact to common<br>**Logic:** Active low or active high, programmable<br>**Action:** Causes “OCC” segment to light on LCD |

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| COUNTRY OF ORIGIN | Canada |