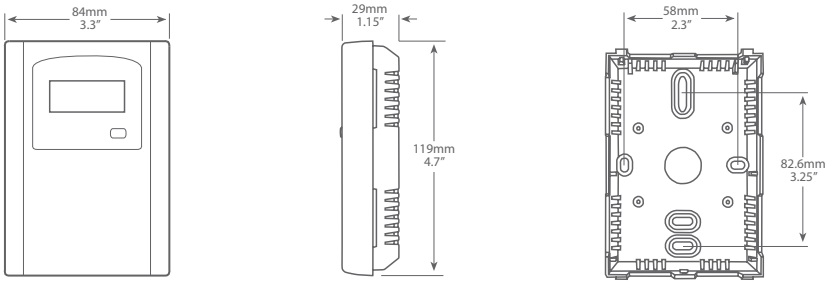
GREYSTONE
ENERGY SYSTEMS INC

ROOM TEMPERATURE TRANSMITTER WITH LCD





TXRCL SERIES

PRODUCT DESCRIPTION

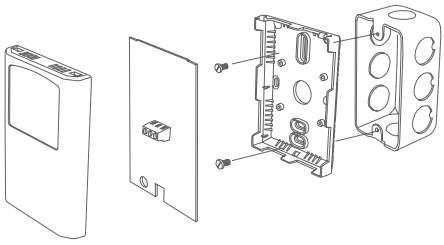
The TXRCL series room temperature transmitter with LCD display is an attractive, low profile enclosure that incorporates a precision temperature sensor and a transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response for measurement of room temperatures. An additional option of manual override with occupied Input is also available.

TYPICAL INSTALLATION

For complete installation and wiring details, please refer to the product installation instructions.

The TXRCL series can be mounted directly to a single gang electrical box or directly to a wall. Insulating foam is adhered to the back of the enclosure to provide a thermal barrier from internal wall temperatures.

A terminal block connection is provided for connection to the Building Automation System.

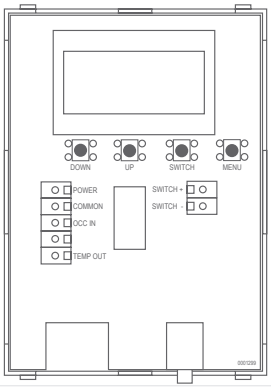


SPECIFICATIONS

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 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 **Voltage:** 10,000Ω min
PROGRAMMING AND SELECTION	Via push buttons and on-screen menu
OPERATING CONDITIONS	0 to 60°C (32 to 140°F), 0 to 95 %RH non-condensing
WIRING CONNECTIONS	Screw terminal block (14 to 22 AWG)
ENCLOSURE	ABS, IP30 (NEMA 1)
ENCLOSURE DIMENSIONS	84mm W x 117mm H x 29mm D (3.3" x 4.6" x 1.15")
COUNTRY OF ORIGIN	Canada
LCD DISPLAY	**Size:** 38.1mm W x 16.5mm H (1.5" x 0.65") **Digit Height:** 11.43mm (0.45") **Symbols:** °C, °F, OCC **Backlight:** Enable or disable via menu
TEMPERATURE	**20K Thermistor:** ±0.2°C (±0.36°F) @ 25°C (77°F) **Range:** 0 to 35°C (32 to 95°F) or 0 to 50°C (32 to 122°F) programmable **Offset:** ±9°F programmable **Units:** °C or °F programmable **Resolution:** 0.5° < 100°, 1° > 100°
OPTIONAL OVERRIDE	**Front Panel Push Button:** 2 wire dry contact **Switch Ratings:** N.O., SPST, 50 mA @ 12 Vdc
OCCUPIED INPUT	**Signal Type:** Digital input,0/5 Vdc or dry contact to common **Logic:** Active low or active high, programmable **Action:** Causes "OCC" segment to light on LCD

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WIRING INFORMATION



TERMINAL	FUNCTION
PWR	Power Input
COM	Common
OCC IN	Digital Input
TEMP OUT	Analog Output
SWITCH +	Digital Output
SWITCH -	Common

ORDERING

	TXRCL	Room Temperature Transmitter with LCD Display
OUTPUT	**A**	4-20 mA
	D	0-5 Vdc
	E	0-10 Vdc
OPTIONS	**S**	Exposed push button switch (N.O.)

PART NUMBER

TXRCL

NOTE: Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

RoHS COMPLIANT

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