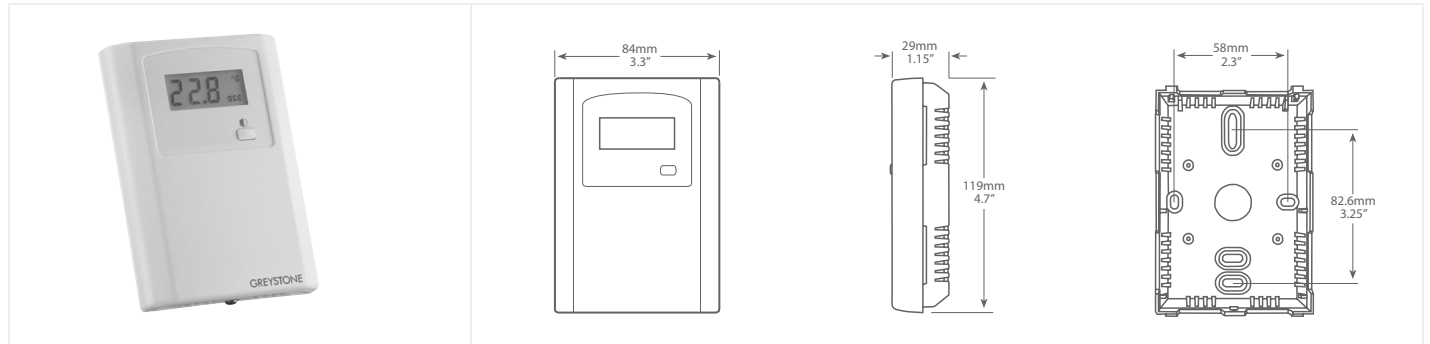




## ROOM TEMPERATURE TRANSMITTER WITH LCD



### TXRCL SERIES

## PRODUCT DESCRIPTION

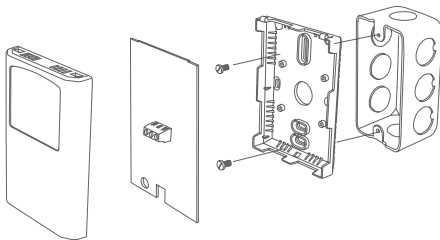
The TXRCL series room temperature transmitter with LCD display is an attractive, low profile enclosure that incorporates a precision temperature sensor and a transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response for measurement of room temperatures.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

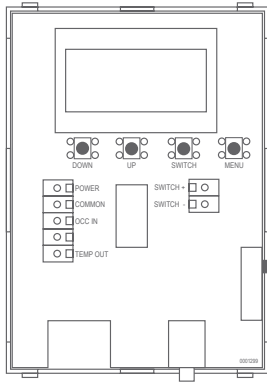


## SPECIFICATIONS

POWER SUPPLY	24 Vac/dc $\pm 10\%$ (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	<b>Current:</b> 550 $\Omega$ max <b>Voltage:</b> 10,000 $\Omega$ min
PROGRAMMING AND SELECTION	Via push buttons and on-screen menu
OPERATING CONDITIONS	0 to 50°C (32 to 122°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	<b>Size:</b> 38.1mm W x 16.5mm H (1.5" x 0.65") <b>Digit Height:</b> 11.43mm (0.45") <b>Symbols:</b> °C, °F, OCC <b>Backlight:</b> Enable or disable via menu
TEMPERATURE	<b>Accuracy:</b> $\pm 0.2^\circ\text{C}$ ( $\pm 0.4^\circ\text{F}$ ) <b>Range:</b> 0 to 35°C (32 to 95°F) or 0 to 50°C (32 to 122°F) programmable <b>Offset:</b> $\pm 9^\circ\text{F}$ programmable <b>Units:</b> °C or °F programmable <b>Resolution:</b> 0.5° < 100°, 1° > 100°
OPTIONAL OVERRIDE	<b>Front Panel Push Button:</b> 2 wire dry contact <b>Switch Ratings:</b> N.O., SPST, 50 mA @ 12 Vdc
OCCUPIED INPUT	<b>Signal Type:</b> Digital input, 0/5 Vdc or dry contact to common <b>Logic:</b> Active low or active high, programmable <b>Action:</b> Causes "OCC" segment to light on LCD



## 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	<b>A</b>	4-20 mA
	<b>D</b>	0-5 Vdc
	<b>E</b>	0-10 Vdc
OPTIONS	<b>S</b>	Exposed push button switch (N.O.)

## PART NUMBER

TXRCL

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