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. Additional options are available Manual override, Communications jack & Fan speed control.

SPECIFICATIONS:

Power Supply	24Vac/dc ±10% (non-isolated half-wave rectified)
Consumption	20 mA + (20ma x number of outputs) max @ 24 Vdc
Input Voltage Effect	Negligible over specified operating range
Protection Circuitry	Reverse voltage and MOV protected and output limited
Output Signals	4-20 mA active (sourcing) or 0-5 Vdc or 0-10 Vdc (specify when ordering)
Output Resolution	10 bit for all signals
Output Drive Capability	550 ohm max for current 10Kohm min for voltage
Programming and Selection	Via push buttons and on-screen menu
Operating Conditions	0°-50°C (32°-122°F) 0-95%RH non-condensing
Wiring Connections	Screw terminal block (14 to 22 AWG)
Enclosure	ABS - IP30 (NEMA 1)
Enclosure Size	84mmW x 117mmH x 29mmD (3.3" x 4.6" x 1.15")

LCD DISPLAY

Display Size	38.1 x 16.5 mm (1.5" x 0.65")
Digit Height	11.43 mm (0.45")
Symbols	°C, °F, OCC
Backlight	Enable or disable via menu

TEMPERATURE

Accuracy	± 0.2°C (±0.4°F)
Range	0° to 35°C (32° to 95°F) or 0° to 50°C (32° to 122°F) programmable
Offset	±9° F programmable
Display Units	°C or °F programmable
Display Resolution	0.5° <100°, 1° >100°

OPTIONAL OVERRIDE

Front panel, momentary 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

OPTIONAL FAN SPEED SWITCH

Range	Off, Auto, Low, Medium, High
Signal	Resistance: 0, 2, 4, 6, 8 KΩ (Custom ranges available)

OPTIONAL NETWORK COMMUNICATIONS

3.5mm phono jack	Ring/Mid/Tip connections to a 3-pin terminal block

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TXRCL	Room Temperature Transmitter w/ LCD Display

CODE	Output
A	4-20 mA
D	0-5 Vdc
E	0-10 Vdc

CODE	Options
S	Exposed push button switch (NO)
J	Comm. Jack (3.5 mm Phono)
F	Fan speed switch

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

RoHS COMPLIANT

MADE IN CANADA

ISO9001 Certified System

CE
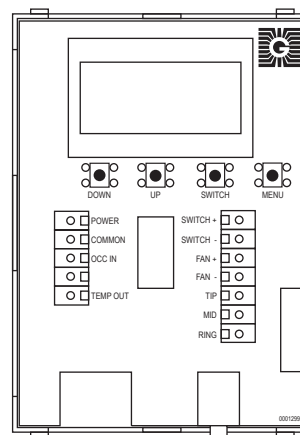
TYPICAL INSTALLATION:

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.
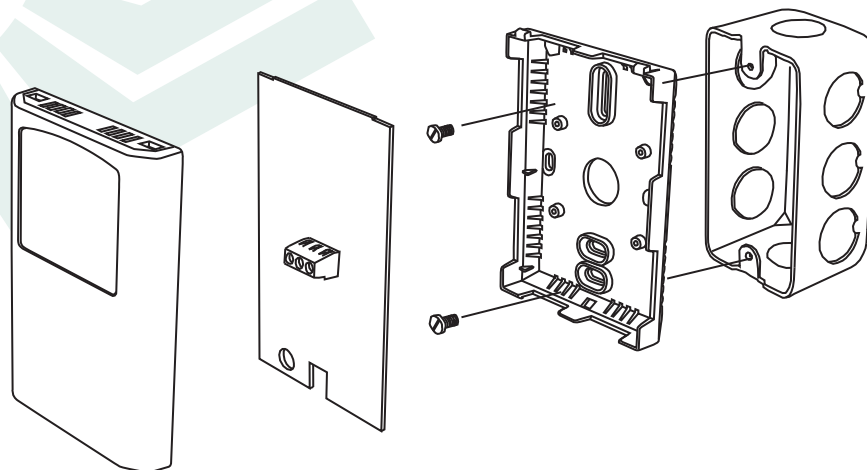
DIMENSIONS:
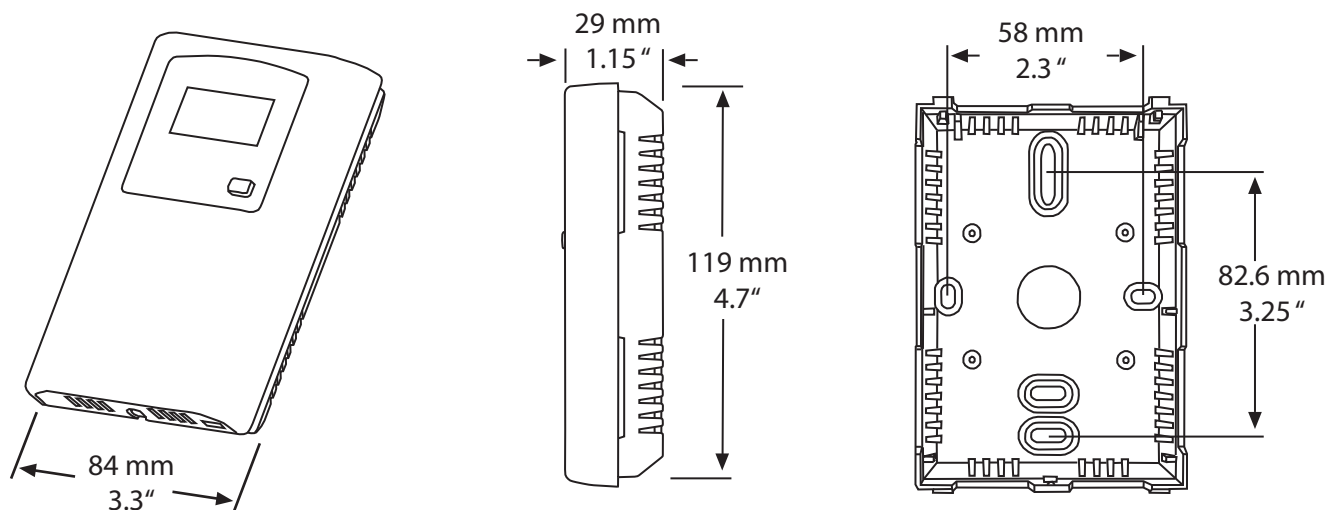
29 mm
1.15 "

58 mm
2.3 "

119 mm
4.7"

82.6 mm
3.25 "

84 mm
3.3"

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GREYSTONE
E N E R G Y   S Y S T E M S   I N C

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RoHS COMPLIANT

ISO9001

CE

Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC sensors and transmitters for Building Automation Management Systems. We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.

GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM