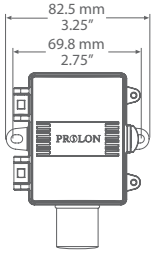
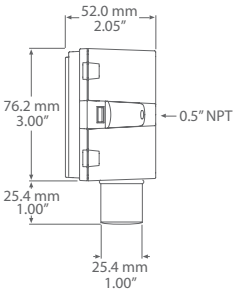
Outside Humidity Transmitter and Temperature Sensor — PL-OA-TRH







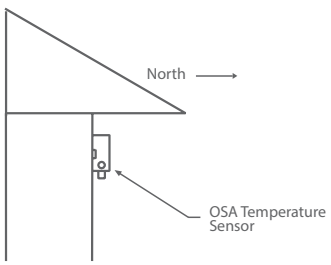
Product Description

PL-OA-TRH features a temperature sensor and relative humidity transmitter for dual outside temperature and humidity readings. The humidity transmitter uses a highly accurate and reliable Thermoset Polymer based capacitance humidity sensor and state-ofthe-art digital linearization and temperature compensated circuitry to monitor humidity levels. The sensor is encapsulated in a field replaceable sensor hub for protection from the elements. A weatherproof enclosure that provides ease of installation is provided.

Typical Installation

The outside transmitter should be mounted on an outside North facing wall, under the eaves which will provide protection from direct sunlight and wind.

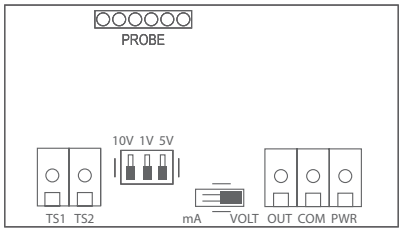
The outside transmitter can be mounted directly to buildings wall face using the provided mounting holes. There is a 0.86" hole for conduit connection of the back of the enclosure.



Technical Specifications

SENSOR TYPE	Thermoset polymer based capacitive
SENSOR ACCURACY	±5 %RH (5 to 95 %RH)
MEASUREMENT RANGE	0 to 100 %RH
RESOLUTION	±0.01 %RH
HYSTERESIS	±0.8 %RH @ 77°F (25°C)
RESPONSE TIME	8 seconds
STABILITY	<0.25% RH/year
AMBIENT OPERATING RANGE	-40 to 140°F (-40 to 60°C)
POWER SUPPLY	24 Vac/dc ~ ±10% typical
CONSUMPTION	22 mA maximum @24Vdc, 70mA @24Vac
OUTPUT SIGNAL	4-20 mA current loop, 0-5 Vdc, 0-10 Vdc, or 0-1 Vdc (field selectable)
OUTPUT DRIVE @ 24 VDC	**Current**: 550Ω max **Voltage**: 10,000Ω min
TEMPERATURE SENSOR	10,000Ω Type 3, NTC Thermistor, ±0.2°C
ENCLOSURE	Polycarbonate, UL94-V0, IP65 (NEMA 4X), with cable gland fitting
TERMINATION	Screw terminal block (14 to 22 AWG)
COUNTRY OF ORIGIN	Canada

Wiring Information



Terminal	Function
PWR	+ 24 Vdc/ac of controller or power supply
COM	GND or COMMON
OUT	Analog Output
TS1	Temperature Sensor
TS2	Temperature Sensor

802-00039-002

GLOBAL HEADQUARTERS
17510 Charles St, #100, Mirabel, QC, Canada J7J 1X9
+1-877-977-6566 · **proloncontrols.com**

UNITED KINGDOM OFFICE
+44 (0)115 678 1592
proloncontrols.co.uk