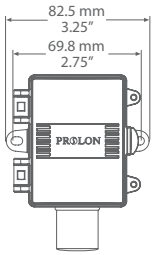
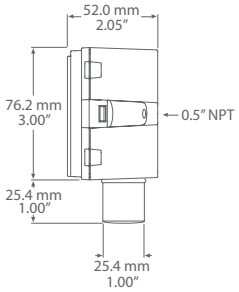
# Outside Humidity Transmitter — PL-OA-RH



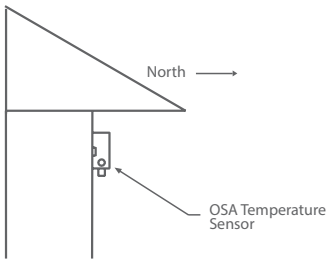

## Product Description

The PL-OA-RH outside 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.

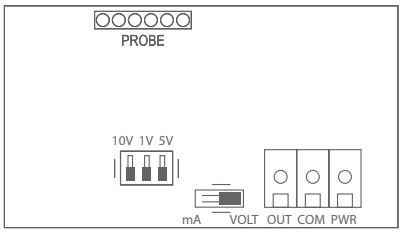
The outside transmitter can be mounted directly to buildings wall face using the provided mounting holes. There is a 0.86" hole for conduit connection of the back of the enclosure.




## 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<br>**Voltage**: 10,000Ω min |
| 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 |

802-00037-002

**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**