



Introduction

The RH/T transmitter uses a highly accurate and reliable Thermoset Polymer based capacitance humidity sensor and a choice of high accuracy Platinum RTD temperature sensor together with state-of-the-art digital linearization and temperature compensated circuitry to monitor outdoor humidity levels. A hinged, gasketed weatherproof ABS enclosure provides easy of installation and protection from the elements.

Before Installation

Read these instructions carefully before installing and commissioning the RH/T transmitter. Failure to follow these instructions may result in product damage. Do not use in an explosive or hazardous environment, with combustible or flammable gases, as a safety or emergency stop device or in any other application where failure of the product could result in personal injury. Take electrostatic discharge precautions during installation and do not exceed the device ratings.

Select a suitable mounting spot on an exterior wall where the sensor is best protected from direct exposure to sunlight, wind, etc. preferably on a north facing wall. Do not mount the sensor near opening windows, supply/exhaust air louvres or other known air disturbances. Avoid areas where the sensor is exposed to vibrations or rapid temperature changes.

The RH enclosure provides a connection hole for 1/2" Conduit. Run a length of conduit through exterior wall and seal. Use 14-22 AWG shielded wiring for all connections and do not locate the device wires in the same conduit with wiring used to supply inductive loads such as motors. Make all connections in accordance with national and local codes.

Mounting

The RH/T transmitter installs directly on an exterior wall using the four integrated mounting holes are provided on the enclosure. Select the best mounting technic based on the exterior wall material. The 4 mounting holes will facilitate a #10 size screw (Not supplied). The sensor fitting must be pointing down. See **Figure 1**.

The enclosure has a hinged cover with latch. Open cover by pulling slightly on the latch on the right side of the enclosure. At the same time pulling on the cover, as illustrated in **Figure 2**.

Feed conduit through the provided hole in bottom of enclosure and secure with a lock nut as show in **Figure 3**. It is recommended that weatherproof conduit or cable gland fittings be used.

Make wiring connections as per the "Wiring" illustrations on Page 2.

Swing door closed until securely latched. For added security install the two supplied security screws as shown in **Figure 4**.



