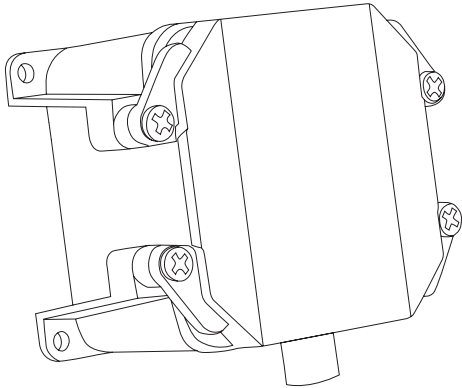


Outside Humidity / Temperature Transmitter

Installation Instructions



INTRODUCTION

The outside humidity transmitter uses a highly accurate and reliable Thermoset Polymer based capacitance humidity sensor and state-of-the-art digital linearization and temperature compensated circuitry in a weatherproof enclosure to monitor outside humidity levels. Sensors are mounted in a sun and wind shield for more accurate monitoring. An optional temperature sensor is also available.

BEFORE INSTALLATION

Read these instructions carefully before installing and commissioning the humidity 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. Preferably on a north facing wall. Avoid areas where the sensor is exposed to vibrations or rapid temperature changes.

The 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 sensor installs directly on an exterior wall using the four integrated mounting holes provided on the enclosure. The four mounting holes will facilitate a #10 size screw (not supplied). The sensor fitting must be pointing down. See Figure 1.

The sensor cover is secured with 4 rotating latches. Remove the cover by rotating the latch using a Phillips screwdriver. See Figure 2.

Feed the conduit or cable gland fitting through the provided hole in bottom of enclosure 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.

Replace cover and secure with the 4 rotating latches.

