

INSTALLATION

!!! WARNING !!!

Disconnect power supply before installation or maintenance. Failure to do so may result in equipment damage.

Make sure all connections are in accordance with the job wiring diagram and in accordance with national and local electrical codes. Use copper conductors only.

!!! CAUTION !!!

Use electrostatic discharge precautions (e.g., use of wrist straps) during installation and maintenance to prevent equipment damage.

Avoid locations where severe shock or vibration, excessive moisture, or corrosive fumes are present. NEMA 4X (IP65) housings are intended for outdoor use primarily to provide a degree of protection against wind-blown dust, rain, and hose-directed water.

Do not exceed ratings of this device; permanent damage not covered by warranty may result. The 4-20 mA models are not designed for AC voltage operation.

DUCT MOUNTING

The transmitter should be mounted away from fans, corners, heating and cooling coils, and other equipment that will affect the measurement of the relative humidity. It should also be mounted in a location that receives adequate air flow for proper operation. The transmitter should be mounted such that the conduit connection points down to prevent moisture from entering.

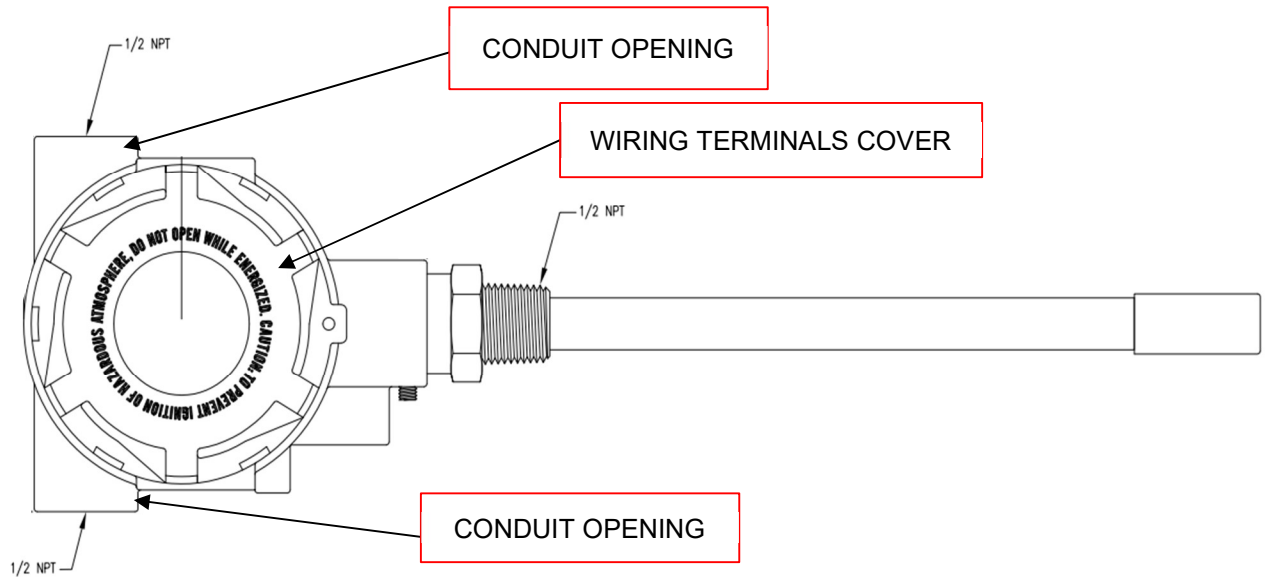
1. Install a 1/2" NPT coupling into the duct at the desired location.
2. Insert the transmitter probe through the coupling and tighten the sensor. Do not over tighten.
3. Remove side cover to access wiring terminals.
4. Plug unused conduit openings with a 1/2" NPT plug.

OPEN RETURN

The transmitter can be mounted to the filter rack using providing sheet metal from AIR. Ensure to mount in a location that receives adequate air flow for proper operation. The transmitter should be mounted such that the conduit connection points down to prevent moisture from entering.

1. Attach mounting bracket supplied by AIR to filter rack. Use #8 x 1/2" self-tapping screws to attach the mounting bracket to the filter rack.
2. Insert the transmitter probe through the hole and use 1/2" nut to attach the sensor to the flange. Do not over tighten.

3. Remove side cover to access wiring terminals.
4. Plug unused conduit openings with a 1/2" NPT plug.



WIRING

Use maximum 18 AWG wire for wiring to terminals. Refer to page 1 of the AIR EF drawing for wiring information.