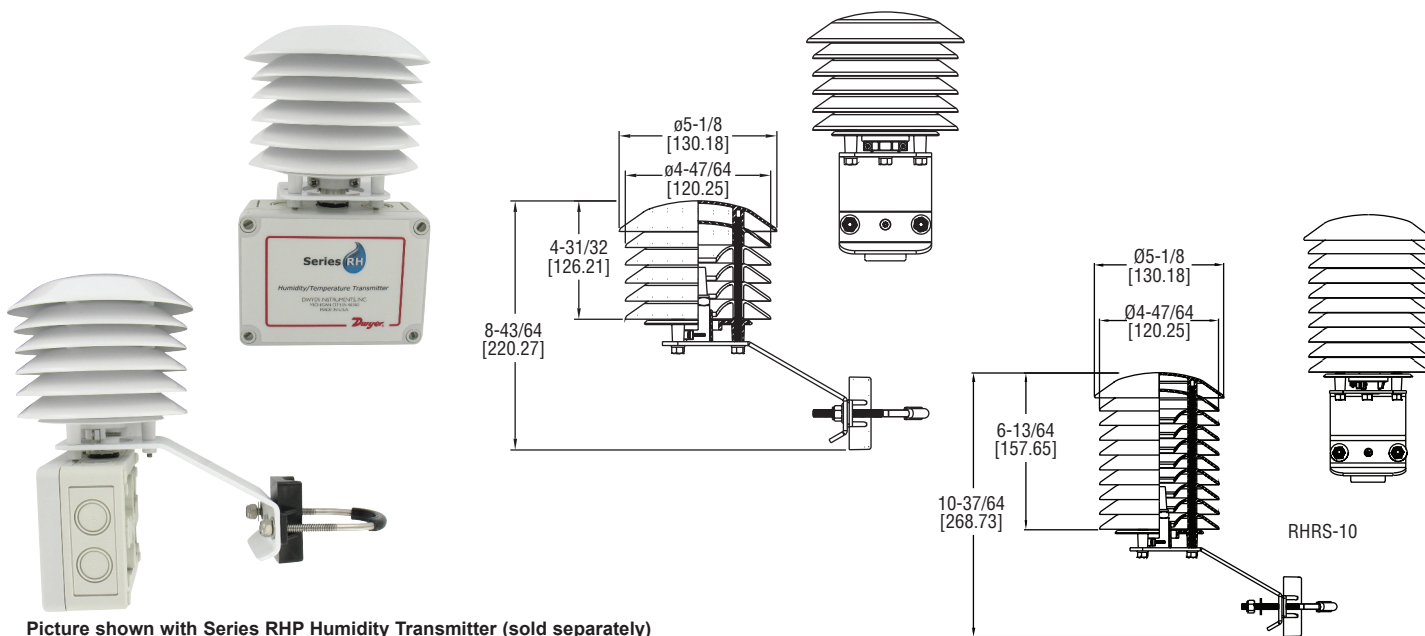




Series RHRS Outside Air Humidity Radiation Shield

Specifications - Installation and Operating Instructions



The Series RHRS Radiation Shield protects outside air humidity transmitters from rain and radiated heat. With the curved shape and color of the plates, air flow is able to move across the sensor to keep radiated temperatures from rooftops and surrounding surfaces from affecting humidity readings. For ease of installation, the Series RHRS has integral pipe mounting hardware which can be removed for surface mounting applications. The brackets on the Series RHRS are specifically designed to be installed on the Dwyer Series RHP outside air humidity transmitters with sintered filters.

INSTALLATION

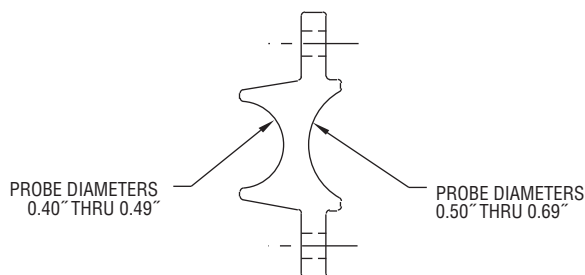
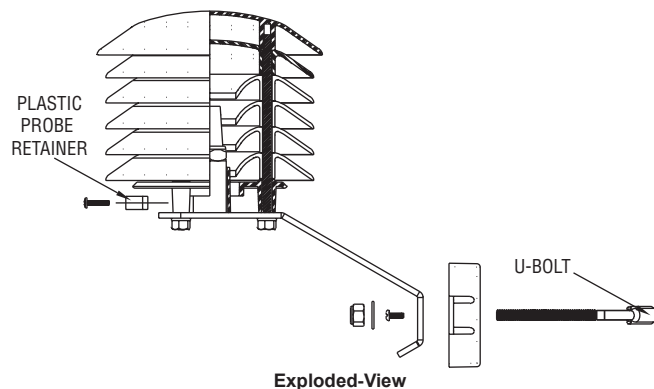
- Step 1: Loosen plastic probe retainer on radiation shield by unscrewing two retainer screws.
- Step 2: Slide humidity transmitter probe completely into radiation shield.
- Step 3: Screw plastic probe retainer to the radiation shield until the probe is firmly held in place. Do not over tighten the screws.

For Pipe Mounting

- Step 4: Remove the u-bolt from the mounting bracket.
- Step 5: Secure the radiation shield to 3/4" to 1-1/2" iron pipe.

For Surface Mounting

- Step 4: Remove the u-bolt and the screw holding the pipe retaining bracket.
- Step 5: Mark the outer two holes of the mounting bracket on the surface.
- Step 6: Drill the two holes marked in the previous step into the surface.
- Step 7: Attach the radiation shield to the surface.



Optional Two Sided Probe Retainer

NOTICE

If not using the Dwyer Series RHP Sintered Filter Humidity Transmitter or Series TE Outside Air Temperature Sensor, remove the plastic probe retainer and substitute with the two-sided plastic probe retainer that is included with the unit. This two-sided probe retainer can be used for probe diameters from 0.400" to 0.690" depending on which side of the retainer is being used.