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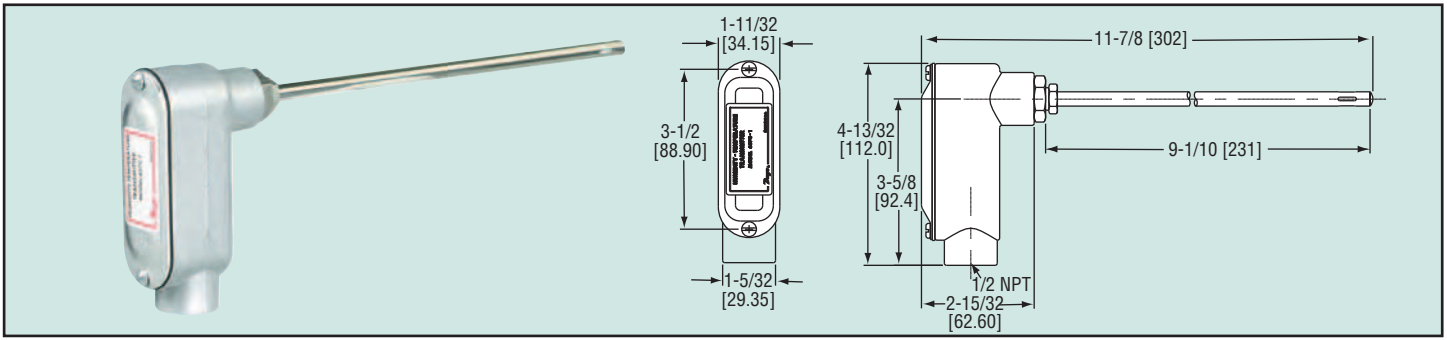
Model 657C-1

Relative Humidity/Temperature Transmitter

Dual Channel Design for Simultaneous 4-20 mA Output Signals — Conduit Housing



The Model 657C-1 Transmitter features the same circuit design as the 657-1 providing two 4-20 mA channels to produce separate output signals for both relative humidity and temperature. However, this model is housed in a tough die cast aluminum protective conduit enclosure with gasketed cover. An internal terminal block is provided for electrical connections. The sensor employed in the 657C-1 features a state-of-the-art integrated polymer film humidity sensor and a thin-film platinum temperature sensor to assure high reliability and rock-solid stability over years of continuous service. Stainless steel probe measures 5/16″ x 9-1/10″ (0.8 x 23.1 cm) and can be easily mounted to most ductwork using either of the two optional kits below.

Model 657C-1, RH/Temperature Transmitter

ACCESSORIES
A-158, Split Flange Mounting Kit
A-159, Duct Mounting Gland

SPECIFICATIONS
Service: Humidity & temperature detection in air.
Range: Relative humidity: 0-100%; Temperature: 32 to 212°F (0 to 100°C).
Accuracy: Relative humidity: ±2% (10-90% RH), ±3% (0-10% and 90-100% RH); Temperature: ±1°F (0.5°C).
Temperature Limits: 32 to 140°F (0 to 60°C).
Pressure Limits: 1 psi (.07 bar).
Compensated Temperature Range: 32 to 140°F (0 to 60°C).
Power Requirements: 10-35 VDC.
Output Signal: 2 channels each 4-20 mA. Loop powered on the RH channel.
Electrical Connections: 4 screw type terminal.
Mounting Orientation: Mount in any position.
Probe: 5/16″ x 9-1/10″ (0.8 x 23.1 cm) stainless steel.
Weight: 10 oz (284 g).

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