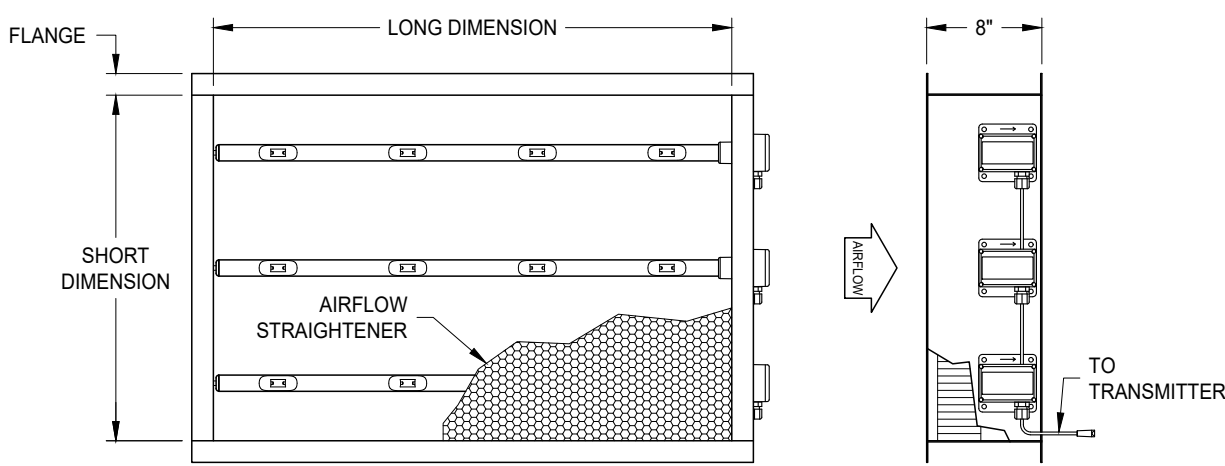


ELECTRA-flo/CM STATION

THERMAL AIRFLOW MEASURING SYSTEM

RECTANGULAR CONFIGURATION

STANDARD CONSTRUCTION	
<p>Casing: 14 ga. galvanized sheet metal, intermittently welded, sealed with metal caulking.</p> <p>Flanges: 1-1/2" wide, 90° formed flange for all sizes up to 144" x 144".</p> <p>Casing Depth: 8"</p> <p>Airflow Straightener: Corrosion resistant 3003 aluminum. 3" deep x 1/2" cell.</p> <p>Probe: ELECTRA-flo probe, Level 1, Level 2, or Level 3. Refer to Submittal Sheet 4.82.00.</p> <p>Probe Qty./Sensor Density: Refer to Submittal Sheet 4.80.00.</p> <p>Probe to Probe Connection: Integral plenum rated cable with mini-DIN Snap & Lock connector for signal and power. Multiple probes connected serially in daisy chained configuration.</p> <p>Station to Transmitter Connection: Integral plenum rated cable with mini-DIN Snap & Lock connector. Standard length 10'.</p> <p>Sensor Pattern: On an equal area basis.</p>	
PERFORMANCE SPECIFICATIONS	
<p>Individual Sensor Accuracy: ±2% of reading</p> <p>Station Accuracy: ±2 to 3% of flow when installed per recommended minimum installation requirements</p> <p>Sensor Temperature Accuracy: ±0.1 °F</p> <p>Qty. Calibration Points per Sensor: 6</p> <p>Velocity Calibration Range: 0 to 4000 FPM</p> <p>Operating Temperature: -20 °F to 140 °F</p> <p>Operating Humidity: 0 to 99% RH, non-condensing</p>	<p>HVAC Applications:</p> <p>Suitable for use in Ducted Applications including: Supply Air, Return Air, and Outdoor Air.</p> <p>Refer to manufacturer's instructions regarding minimum recommended installation requirements based on obstruction.</p>
OPTIONAL CONSTRUCTION	
<p><input type="checkbox"/> Engraved identification tag.</p> <p><input type="checkbox"/> Factory mounted transmitter (requires 12" casing depth).</p>	<p><input type="checkbox"/> Probes mounted on the long side.</p> <p>Probe Quantity / Sensor Density: <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3</p> <p>Station to Transmitter Cable Length: <input type="checkbox"/> 10' (default) <input type="checkbox"/> 25' <input type="checkbox"/> 50' <input type="checkbox"/> 100'</p>
ORDER CODE INFORMATION	
Refer to Submittal Sheet 4.80.01 for Order Code Information.	
DIMENSIONAL SPECIFICATIONS	
 <p>The drawing illustrates the rectangular configuration of the station. The main view shows a top-down perspective of the casing with a flange on the left side. The 'LONG DIMENSION' and 'SHORT DIMENSION' are indicated. Inside the casing, there are three horizontal rows of probes. Below the probes is an 'AIRFLOW STRAIGHTENER' section. A side view on the right shows the casing depth of 8 inches and the probe array connected to a transmitter labeled 'TO TRANSMITTER'. An arrow labeled 'AIRFLOW' indicates the direction of flow through the station.</p>	

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