ELECTRA-flo/FI G5 TRANSMITTER (Version 2.4) DUAL OR SINGLE FAN INLET OR FAN WALL CONFIGURATION THERMAL AIRFLOW MEASURING SYSTEM

STANDARD CONSTRUCTION

Maximum Number of Sensors: Display:	4 for dual inlet fan, 2 for single inlet fan, 2-32 for fan wall application. Backlit 1/4 VGA (320 x 240), color TET LCD, 2 75" x 2 0" display size
Configuration Access:	Field programmable, menu driven user interface accessed via four button keypad. Field selectable in U.S. or S.I. units for velocity / flow and temperature. Password protected.
Power Supply:	24VAC (20-28VAC) or 24VDC (20-40VDC), isolated and fused with reverse polarity protection.
Power Consumption:	16 to 90VA, based on the quantity (1 to 32) of sensor nodes.
Outputs:	Dual analog outputs, field selectable via menu for 0-5VDC, 0-10VDC, or 4-20mA. Single alarm output, field programmable.
Analog Output Scaling:	Field programmable analog output scaling of airflow velocity and temperature. Velocity range for fan inlet applications: 0 to 10000 FPM. Temperature range: 0 to 140°F.
Analog Output Resolution:	0.02%
Analog Output Filtering:	Field programmable over 10:1 range.
Network Output Communication:	BACnet® or Modbus®.
Humidity Limits:	0 to 99% RH, non-condensing.
Temperature Limits:	-20°F to 180°F Storage; -20°F to 140°F Operating.
Electrical Connections:	Terminal strips with plug-in connectors for field wiring. Probe to transmitter connection via shielded plenum rated cable with mini-DIN Snap & Lock connector.
Enclosure:	NEMA 1 aluminum with hinged cover.
Approvals:	UL 60730 pending; BTL pending; FCC Part 15 Subpart B, Class A Device.

DIMENSIONAL INFORMATION



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ELECTRA-flo PROBE & G5 TRANSMITTER

CONSTRUCTION OPTIONS

THERMAL AIRFLOW MEASURING SYSTEM



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AIRFLOW MEASUREMENT SOLUTIONS

ELECTRA-flo/Fl FAN INLET - SINGLE SENSOR CONFIGURATION THERMAL AIRFLOW MEASURING SYSTEM

STANDARD CONSTRUCTION Probe: Type 6063 anodized aluminum. 1-1/8" diameter. Sensor Housing: Injection molded polycarbonate. Sensor Type: Hermetically sealed, precision matched thermistors with laser trimmed resistive heating element mounted in flow conditioning aperture. Sensor Signal Processing: Microprocessor with 12 bit A/D conversion for each sensor node. Probe Mounting: Stainless steel, tube-in-tube telescoping support struts. Stainless steel mounting brackets. Junction Box Construction: NEMA 4 polycarbonate enclosure with hinged cover and waterproof cable connectors. Sensor to Junction Box Connection: Integral plenum rated cable with connector, 10' long. Junction Box to Transmitter Connection: Integral plenum rated cable with connector. PERFORMANCE SPECIFICATIONS Individual Sensor Accuracy: ±2% of reading Station Accuracy: ±2 to 3% of airflow, requires field characterization Sensor Temperature Accuracy: ±0.1 °F **Qty. Calibration Points per Sensor:** 6 Velocity Calibration Range: 0 to 10,000 FPM -20 °F to 140 °F **Operating Temperature: Operating Humidity:** 0 to 99% RH, non-condensing **CONSTRUCTION OPTIONS:** Junction Box to Transmitter Cable Length: **1**00' **1**0' 25' **5**0' DIMENSIONAL INFORMATION TO TRANSMITTER JUNCTION BOX SENSOR ASSEMBLY LOCATE ADJUSTABLE PROBE IN SUPPORT SMALLEST STRUT DIAMETER OF INLET BELL SMALLEST SHAFT DIAMETER OF 4.75" CLEARANCE INLET BELL INLET FRONT VIEW INLET SECTION VIEW

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AIRFLOW MEASUREMENT SOLUTIONS

ELECTRA-flo/FI FAN WALL FAN WALL INLETS - DUAL SENSOR CONFIGURATION THERMAL AIRFLOW MEASURING SYSTEM



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