SUBMITTAL SHEET

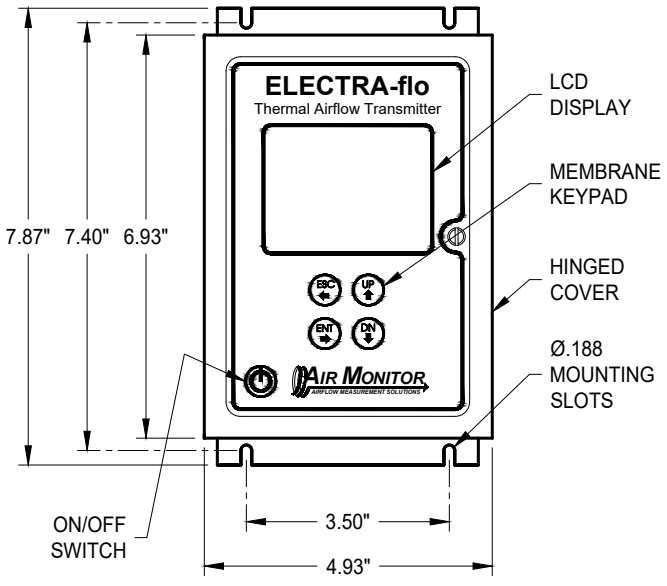
ELECTRA-flo/FI G5 TRANSMITTER (Version 2.4)

DUAL OR SINGLE FAN INLET OR FAN WALL CONFIGURATION
THERMAL AIRFLOW MEASURING SYSTEM

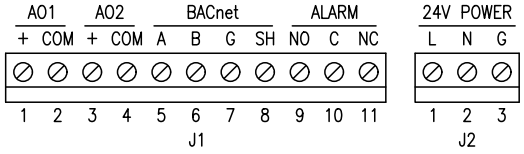
STANDARD CONSTRUCTION

Maximum Number of Sensors:	4 for dual inlet fan, 2 for single inlet fan, 2-32 for fan wall application.
Display:	Backlit, 1/4 VGA (320 x 240), color TFT 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.

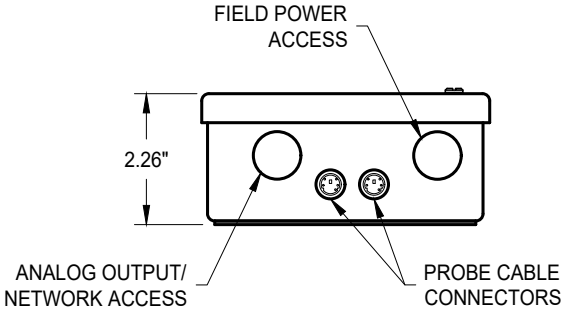
DIMENSIONAL INFORMATION



FRONT VIEW



TERMINALS (Located Inside Enclosure)



BOTTOM VIEW

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AIR MONITOR
AIRFLOW MEASUREMENT SOLUTIONS

SUBMITTAL SHEET

ELECTRA-flo PROBE & G5 TRANSMITTER

CONSTRUCTION OPTIONS
THERMAL AIRFLOW MEASURING SYSTEM

Probe
- ❑ Standard - Type 6063 Anodized Extruded Aluminum
- ❑ Type 316 Stainless Steel

Probe Connection Box
- ❑ Standard - Aluminum, NEMA 1
- ❑ Polycarbonate, NEMA 4X
- ❑ Stainless Steel, NEMA 4X

Transmitter Enclosure
- ❑ Standard - Aluminum, NEMA 1
- ❑ Fiberglass, NEMA 4X, with Clear Lid
- ❑ Stainless Steel, NEMA 4X
- ❑ Stainless Steel, NEMA 4X, with Window

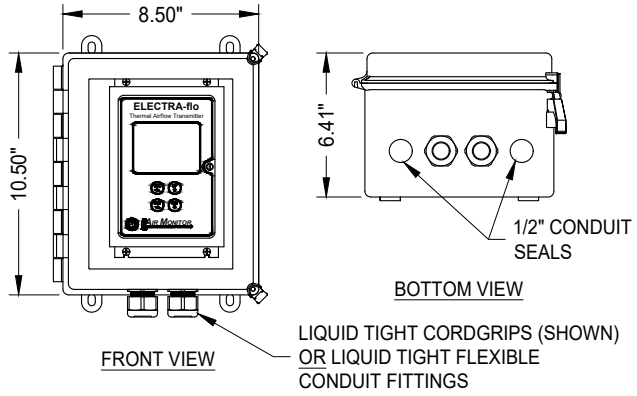
Transmitter Cable
- ❑ Standard - 10' ❑ 25' ❑ 50' ❑ 100'

Cable Connections
- ❑ Standard - Cable with mini-DIN Connectors
- ❑ Liquid Tight Cordgrips
- ❑ Liquid Tight Flexible Conduit Fittings

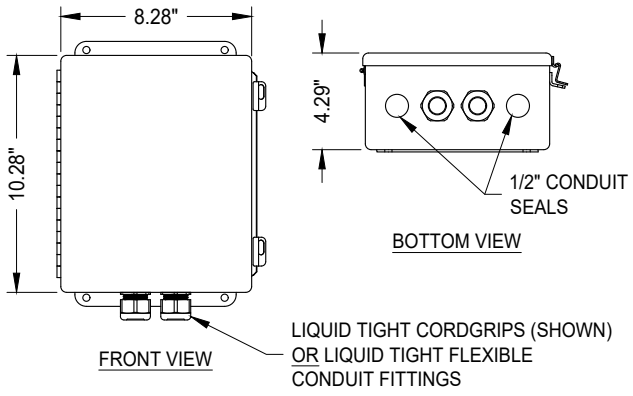
Network Communications
- ❑ BACnet ® ❑ Modbus ®

Transmitter Mounting
- ❑ Standard - Remote
- ❑ On ELECTRA-flo Station

G5 TRANSMITTER ENCLOSURE OPTIONS

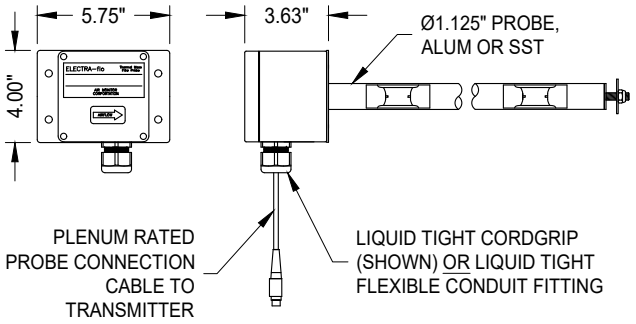


NEMA 4X - FIBERGLASS

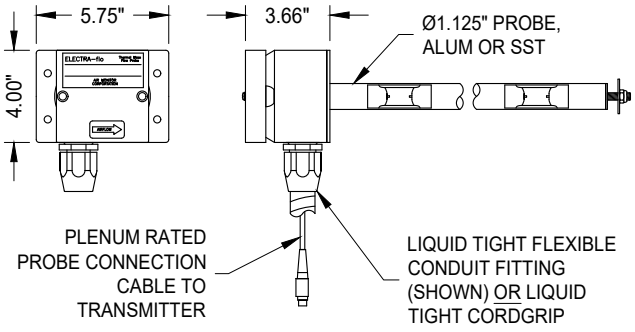


NEMA 4X - STAINLESS STEEL

PROBE CONNECTION BOX OPTIONS



NEMA 4X - POLYCARBONATE



NEMA 4X - STAINLESS STEEL

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SUBMITTAL SHEET

ELECTRA-flo/FI

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

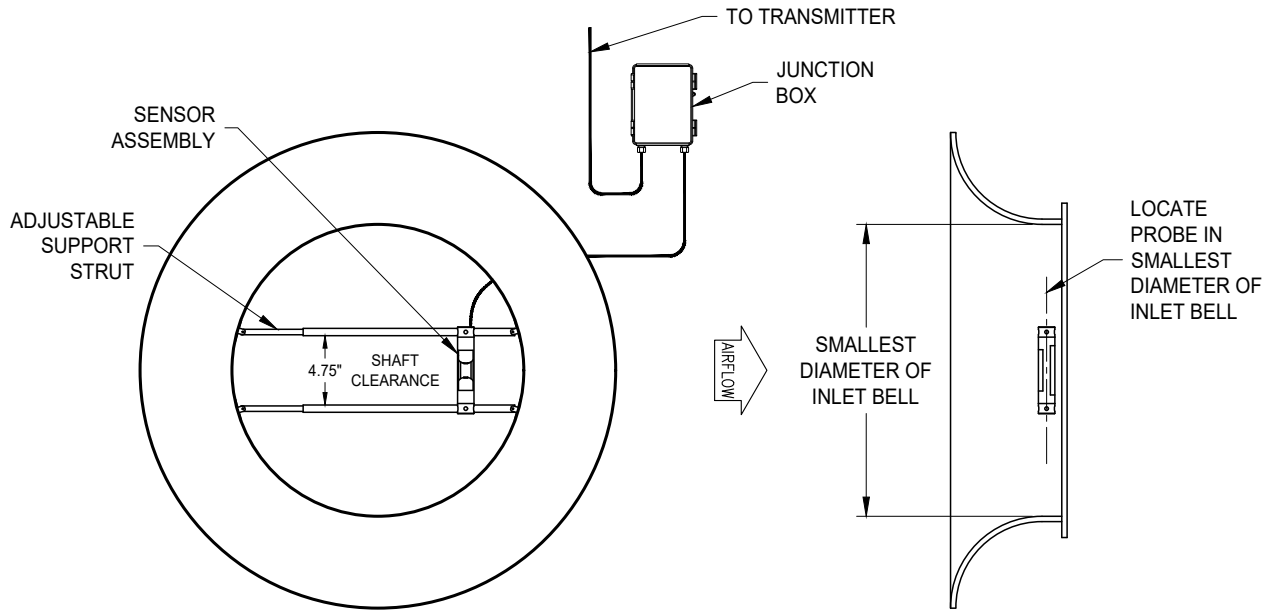
Individual Sensor Accuracy:	±2% of reading
Station Accuracy:	±2 to 3% of airflow, requires field characterization
Sensor Temperature Accuracy:	±0.1 °F
Qty. Calibration Points per Sensor:	6
Velocity Calibration Range:	0 to 10,000 FPM
Operating Temperature:	-20 °F to 140 °F
Operating Humidity:	0 to 99% RH, non-condensing

CONSTRUCTION OPTIONS:

Junction Box to Transmitter Cable Length:

❑ 10' ❑ 25' ❑ 50' ❑ 100'

DIMENSIONAL INFORMATION



INLET FRONT VIEW

INLET SECTION VIEW

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SUBMITTAL SHEET

ELECTRA-flo/FI

FAN INLET - DUAL 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
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Operating Temperature:	-20 °F to 140 °F
Operating Humidity:	0 to 99% RH, non-condensing

CONSTRUCTION OPTIONS:

Junction Box to Transmitter Cable Length:

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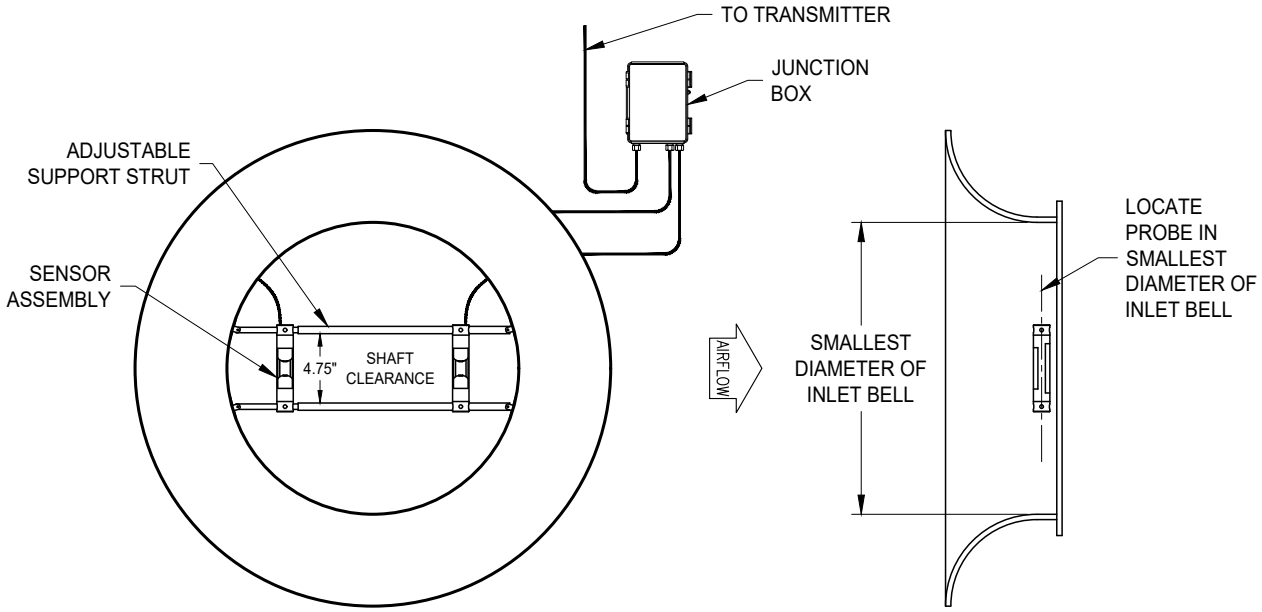
DIMENSIONAL INFORMATION



INLET FRONT VIEW

INLET SECTION VIEW

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