

VOLU-flo/OAM II TRANSMITTER

OUTDOOR AIRFLOW MEASURING SYSTEM

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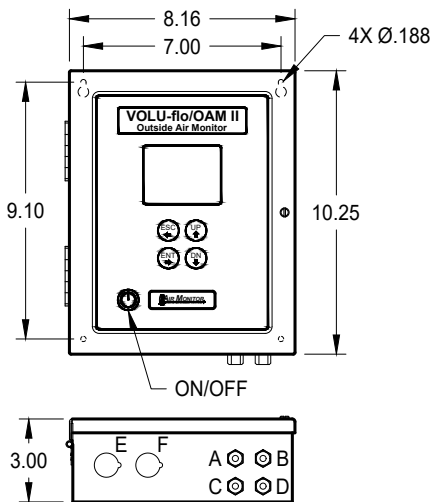
STANDARD CONSTRUCTION

Display:	3.5" diagonal color graphic LCD.
Configuration Access:	Field programmable, menu driven user interface accessed by four button keypad. Field selectable in U.S. or S.I. units for velocity, flow and temperature.
Power Supply:	24 VAC (20-28 VAC) or 24 VDC (20-40 VDC), isolated and fused with reverse polarity protection.
Power Consumption:	18 VA at 24 VAC, 13 W at 24 VDC. With optional enclosure heater: 37 VA at 24 VDC.
Outputs:	Three (3) analog outputs, field selectable via menu for 0-5 VDC, 0-10 VDC or 4-20 mADC.
Analog Output Scaling:	Field programmable analog output scaling of velocity, flow or temperature, based on configuration.
Network Output Communication:	BACnet® or Modbus® with isolation.
Inputs:	Temperature sensor, 3 wire 100 Ohm RTD.
Humidity Limits:	0 to 99% RH, non-condensing.
Temperature Limits:	-20 to 180°F (storage), +40 to 120°F (operating, standard), -40 to 120°F (operating, w/optional heater).
Electrical Connections:	Terminal strips with plug-in connections for field wiring.
Enclosure:	NEMA 1 enclosure with hinged cover
Approvals:	FCC Part 15 Subpart B, Class A device.

PERFORMANCE SPECIFICATIONS

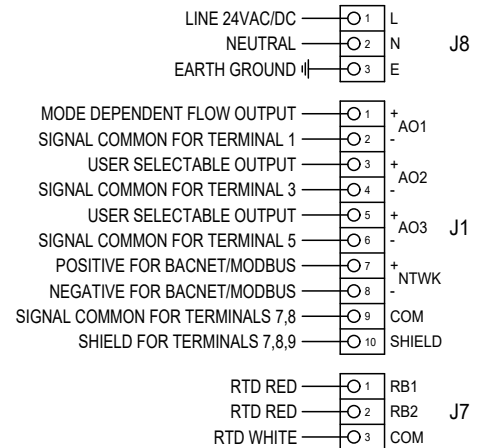
System Accuracy:	+/- 5% of actual flow rate, from 150 to 2400 FPM.
Auto Zero Accuracy:	Within +/- 0.1% of span.
Auto Zero Frequency:	Configurable.
Temperature Sensor Accuracy:	+/- 0.1% at 0°C.
Calibrated Velocity Range:	100 to 600 FPM (low flow range), 100 to 2400 FPM (extended flow range).

DIMENSIONAL INFORMATION - TRANSMITTER ENCLOSURE



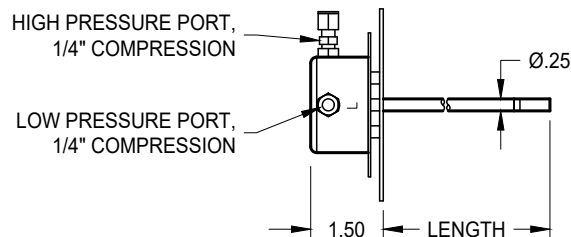
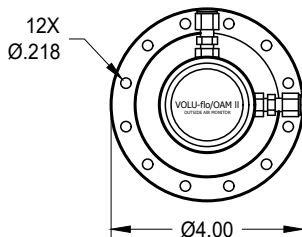
- A. HIGH SYSTEM 1
 - B. LOW SYSTEM 1
 - C. HIGH SYSTEM 2
 - D. LOW SYSTEM 2
 - E. DC SIGNAL OUTPUTS
 - F. AC POWER INPUT
- (OPTION FOR
MIN / MAX OR DUAL
MODE SYSTEMS)

CONNECTION CODE



WIRING TERMINALS
(Located Inside Enclosure)

DIMENSIONAL INFORMATION - UNI-SENSOR



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ORDER CODE INFORMATION

OAM II - A B C D - E(E) F - G H

A - Operating Mode

- 1 = Low Flow Range
- 2 = Extended Flow Range
- 3 = Min/Max (Split) Flow Range
- 4 = Dual Flow Range

B - Enclosure

- 1 = NEMA 1
- 2 = NEMA 4 with Window
- 3 = NEMA 4 with Window & Heater
- 4 = NEMA 4, Blind

C - Feature Set

- 1 = 24 VAC/DC power, 3 analog outputs, RS485 comm., 3 wire RTD (default)

D - Process Connections

- 1 = 1/8" FPT
- 2 = 1/8" NPT with 1/4" compression

H - Transducer 2 Natural Span

- X = Transducer Natural Span selection based on operating conditions
- Z = Indicates no second transducer (Low Flow Range configuration only)

G - Transducer 1 Natural Span

- X = Transducer Natural Span selection based on operating conditions

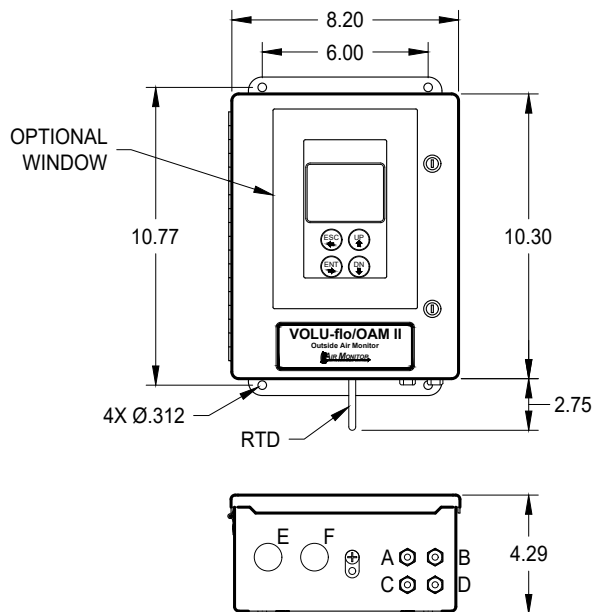
F - Uni-Sensor Design

- 3 = 3" Uni-Sensor (default)
- n = Uni-Sensor length up to 8" in 1" increments (note: length should be lower depth plus 2" minimum)
- M = Station Mounted Sensors (see Station Information)

E(E) - Number of Uni-Sensors

- 1 = 1 Sensor
- 2 = 2 Sensors (minimum required for Min/Max or Dual Range)
- n = Number of Sensors (up to 10 maximum)
- M = Station Mounted Sensors (see Station Information)

CONSTRUCTION OPTIONS - TRANSMITTER ENCLOSURE



NEMA 4 TRANSMITTER ENCLOSURE