

AIRFLOW & PRESSURE SMART TRANSMITTER



AIRTRON

Application

AIRTRON is the air conditioning (HVAC) system in the air pressure measurement, and the duct or fan of the air flow measuring device as a Pitot Probe at a flow rate in accordance caused that differential pressure measurements by air volume in terms of the value of the front display (LCD) in the instruction, and the electrical signal since the output is a product that can be remotely monitored.

This product is a micro pressure sensor and high-performance CPU is built US foreclosure (low wind speeds), and also allows precise measurements, it is possible to easily manipulate the unit of measurement, various menus and various functions, especially AUTO-Zeroing and self-diagnostic capabilities built the remediation action is not required after installation products

- AHU fan flow measurement
- Duct airflow measurement
- Air pressure measurement
- R&D center, Hospital
- Industrial buildings
- Pharmaceutical, etc

Features

Ultra-low Diff. Pressure Sensor

- * 0 - 6 to 0 - 50 m /s flow range
- * 0.5% of Accuracy
- * No position effected

Flexible Functionality

- * Microprocessor based functionality
- * 4 - 20 m A, 0 -10 Vdc signal selectable
- * Air volume and velocity display

Rugged and Reliable

- * Multi - points linearization
- * Malfunction diagnostic capability
- * Auto zeroing capability

Low Cost of Ownership

- * Simple configuration menus
- * Long - term stability
- * No maintenance required

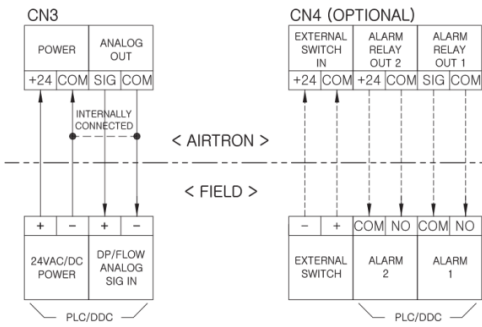
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Technical Data

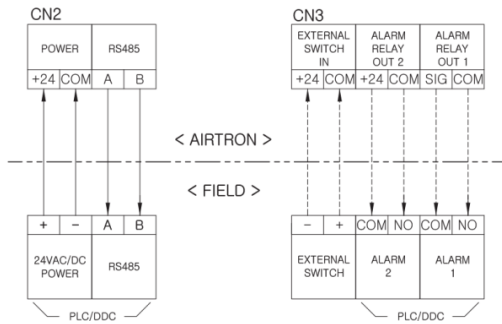
- Diff. Pressure Span : 0 - 2.5 to 0 - 200 m H₂O (± 1.25 to ± 125 m H₂O)
- Accuracy : 0.5% of full scale
- Temperature Effect : Zero : None-corrected by Auto-zeroing
Span : 0.025% of span/°F
- Temperature Limits : Operating : -10 to 60°C / Storage : -40 to 80°C
- Overpressure Limits : 5 psi
- Humidity Limits : 0 to 95% RH, non-condensing
- Span Adjustments : Performed by internally mounted push buttons
- Zero adjustments : Performed by internally mounted auto-zeroing circuit & valve selectable 1 – 24 hours on 1 hour intervals
- Display & Output Low Pass Filter : A step change is adjustable in 8 increments
- Malfunction Diagnostics : Self-malfunction diagnostics display
- Outputs : Analog Output : 4 - 20 m ADC or 0 -10 VDC
Alarm Outputs : 2 × SPDT Relay contact 1A @ 24VDC
- Power Supply : 24 VAC/DC, ±10
- Power Consumption : 2.3 VA at 24 VAC / 2.5 VA at 24 VDC

Wiring Diagram

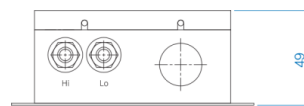
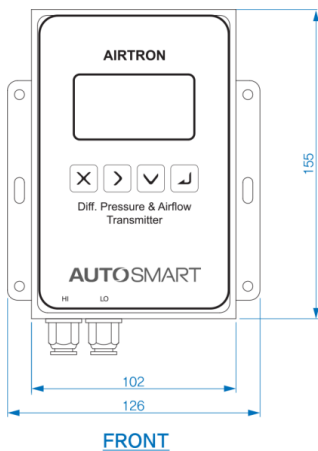
3-WIRE



4-WIRE



Shape Dimension



BOTTOM