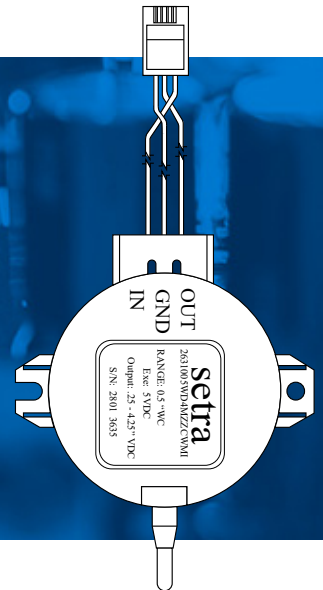




DUCT STATIC PRESSURE SENSOR ASM01640



AAON Controls is involved in the design and selection of the sensors used with AAON units to ensure integration between sensors, controllers, software, and mechanical equipment.

PHYSICAL

Validating Information Provided by the Sensors to the Unit Controllers

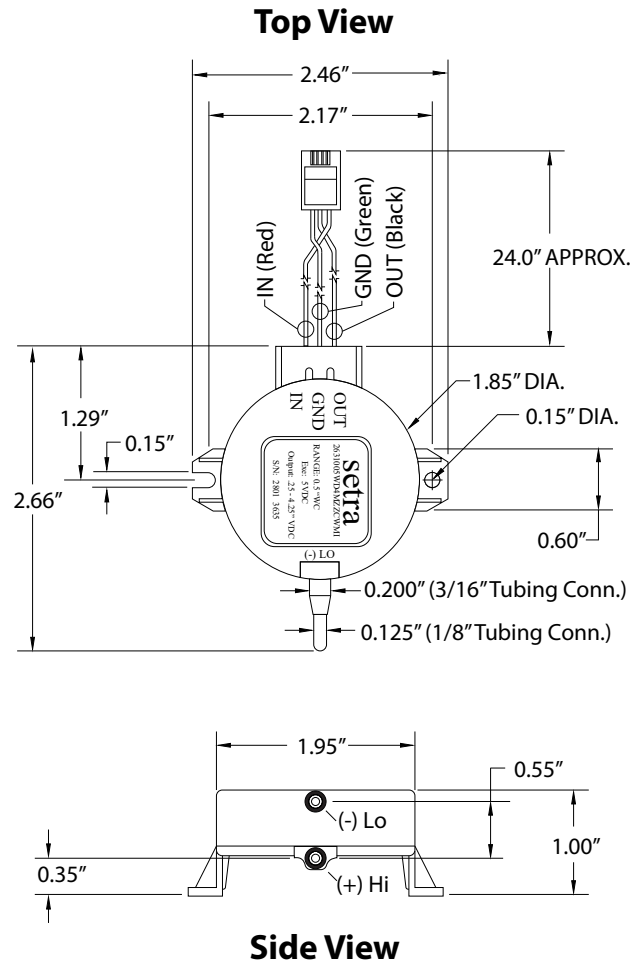
The Duct Static Pressure Sensor senses differential or gauge (static) pressures and converts the pressure difference (differential) to a proportional electrical output that corresponds to 0 to 5 inches or WC pressure. The sensor can be used in Duct Static Pressure sensor applications and VAV Pressure Independent Airflow sensor applications.

Warning: The plastic housing on the sensor is electrically conductive. Avoid contact with any electrical components. It is acceptable to mount the sensor on grounded sheet metal such as ductwork, electrical panels, etc.

Electrical and Environmental

Operating Temperature	20°F to 150°F
Accuracy RSS* (at constant temp)	+/- 1.0% @ FS
Connection	24" Cable Leads with 4 position RJ22 Modular Plug
Current Consumption	5 mA
Weight	3 oz.

Contact AAON Support for Technical Assistance
www.aaon.com/contact



INSTALLATION

Mounting

The Airflow Sensor should be mounted in a vertical position as shown with tubing connections pointing down. If this mounting position is not possible in your application, it may be mounted in a horizontal position. When mounted in a horizontal position, accuracy will be affected by approximately 2% full scale null shift due to diaphragm gravity effect error.

When the ASM01640 is used as a Duct Static Pressure Sensor, the sensor should be located near the controller, with the modular plug on the sensor directly connected to the mating controller jack.

Tubing must be run from the sensor to the Static Pressure Pickup Tube. Tubing should not exceed 250 ft. and must be continuous without any splices.

When the ASM01640 is used as an Airflow Sensor for VAV applications, it should be mounted in the VAV Box control enclosure near the box controller board. The modular plug should be connected to the VAV Controller Board connection. Tubing must be run from the sensor to the Airflow Pickup Probe tubing connection.

Scan the code for additional product information

