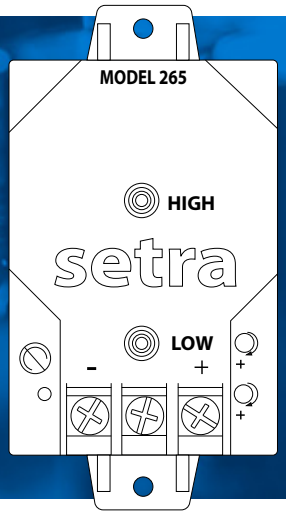
BUILDING STATIC PRESSURE SENSOR ASM01832



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

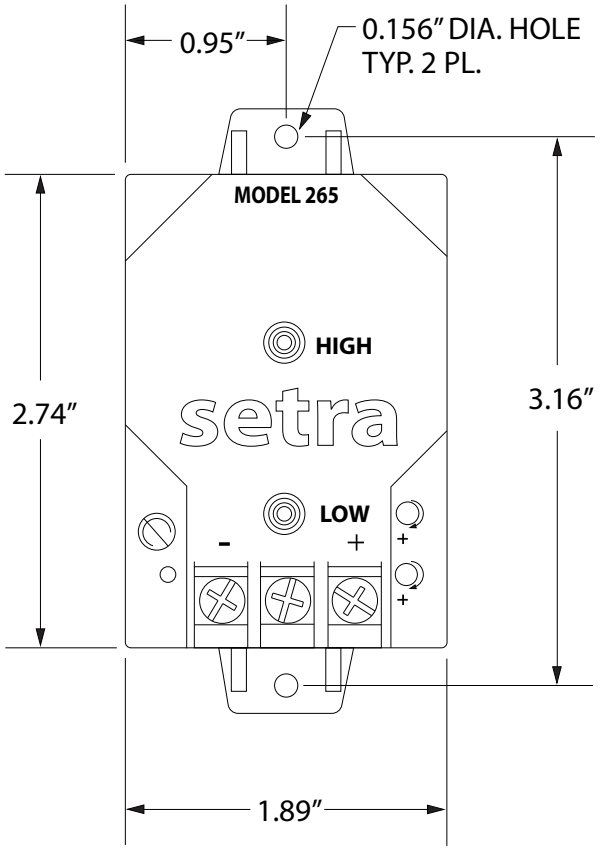
Validating Information Provided by the Sensors to the Unit Controllers

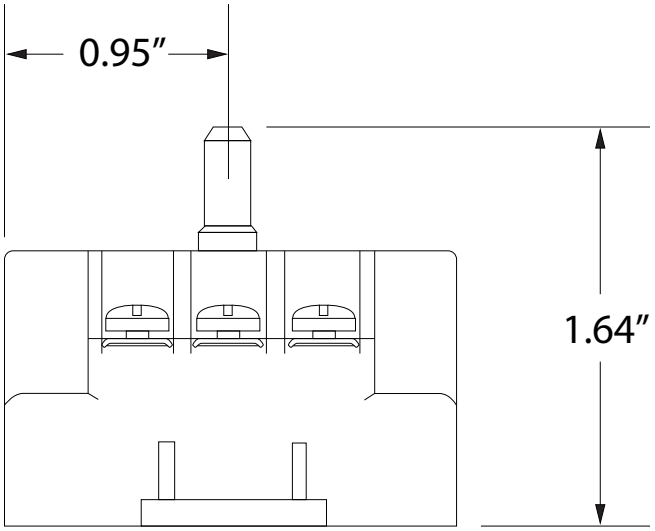
The Building Pressure Sensor is used to sense building pressure in applications where monitoring of the building static pressure is required to ensure the building maintains the proper air pressurization.

The Building Pressure Sensor case is molded from fire retardant glass filled polyester. The sensor utilizes a tensioned stainless steel diaphragm and insulated stainless steel electrode. This arrangement allows up to 10 PSI overpressure without damage to the unit. The sensor provides a 0.0 to 5.0 VDC output in response to a –0.25 to +0.25 inch WC pressure differential. Accuracy is 1% of full scale of the sensor.

Electrical and Environmental	
Operating Pressure Range	-0.25" to +0.25" WC Pressure Differential
Operating Temperature	0°F to 150°F
Circuit	3 Wire
Accuracy	+/- 1% of full scale
Power Input Signal Output	9-30 VAC or 9-30 VDC 0 to 5 VDC
Hysteresis	+/- 0.1% of full scale
Non-repeatability	+/- 0.05% of full scale
Weight	3 oz.

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





INSTALLATION

Mounting

For easy wiring, the Building Pressure Sensor has three 6-32 screw terminal wiring connectors. The sensor has two ¼" barbed fittings provided for the connection of tubing to the high and low pressure ports.

The Building Pressure Sensor is designed to be mounted to a flat surface by means of the two 0.156 diameter holes provided in the sensor casing. For accurate readings the sensor must be mounted in a vertical position.

Scan the code for additional product information