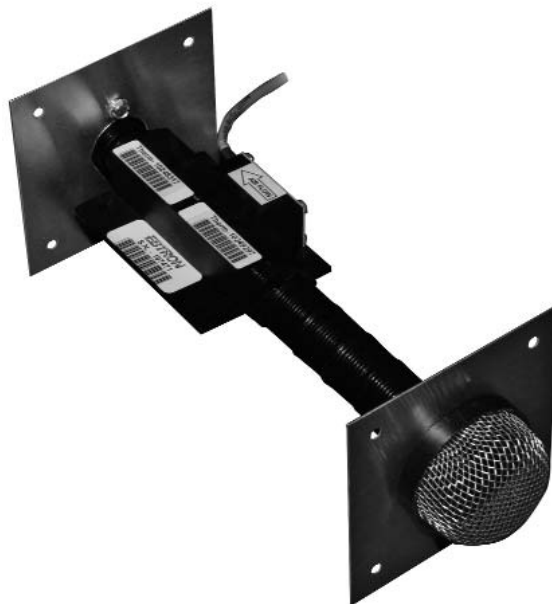


Bleed Airflow Sensor

Installation Guide -B Bleed Airflow Sensor with Wall Mount Kit

Bleed Airflow Sensor with
Wall Mount Kit (Part number 800-1240)
For use with Gold Series GB1, and
Hybrid Series HB1/SB1 Bleed Airflow Sensors

Document Name: IG_B_WALL_R1A



Bleed Airflow Sensor with Wall Mount Kit

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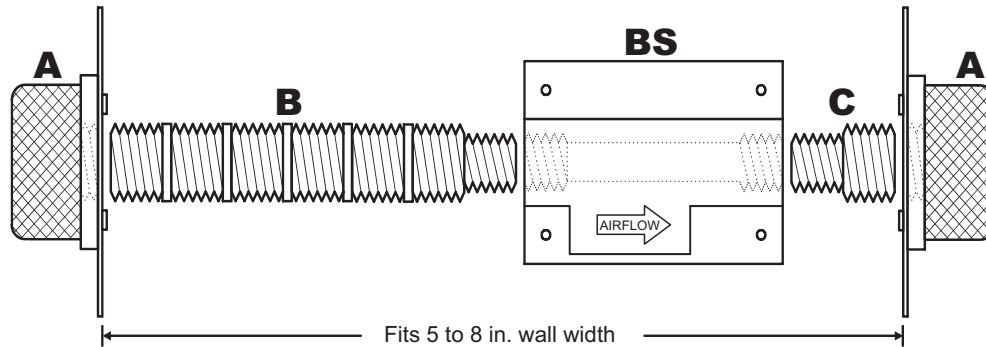
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1 OVERVIEW

This document provides the instructions necessary to install the Bleed Airflow Sensor when supplied with the Wall mounting kit shown in Figures 1 and 2. The Wall Mounting Kit (P.N. 800-1240) is designed for through-the-wall bleed airflow measurement between adjacent spaces with wall thickness of 5 to 8 inches (12.7 to 20.3 cm).



Label	Qty.	Description
A	2	4 in. x 4 in., 304 stainless steel face plate with protective mesh screen. Accepts 0.75 in. (19.05 mm) NPT male pipe or fitting.
B	1	0.75 in. (19.05 mm) NPT male x 0.5 in. (12.7 mm) NPT cut-off extension.
BS	1	Bleed sensor assembly.
C	1	0.75 in. (19.05 mm) NPT male x 0.5 in. (12.7 mm) NPT reducer fitting.

Figure 1. Bleed Airflow Sensor and Wall Mount Installation Kit Components

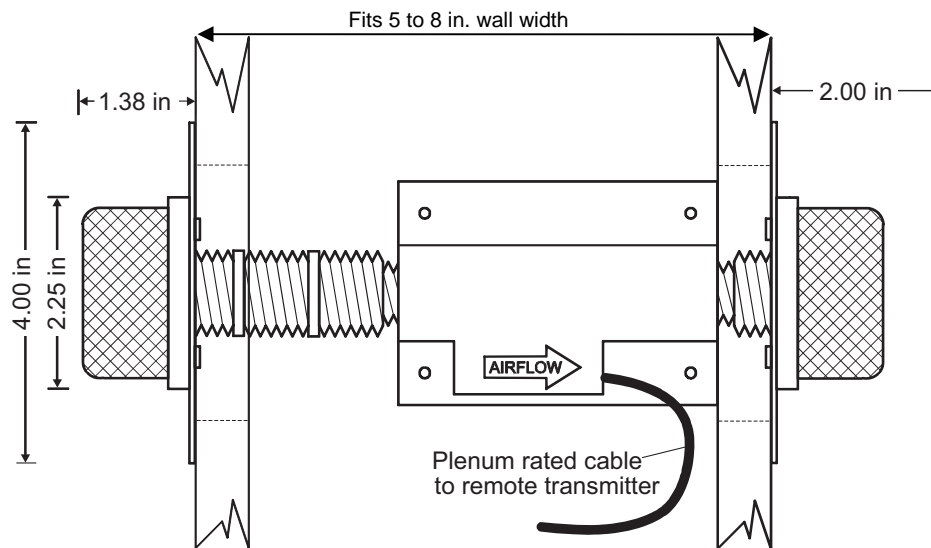


Figure 2. Typical Application, Bleed Airflow Sensor and Wall Mount Installation Kit

2 PREPARATION FOR INSTALLATION

- a. Determine the specified location for the Bleed Airflow Sensor as indicated on the engineer's plans. Ensure that the cable supplied with the sensor is of sufficient length to reach the planned transmitter installation site. It is recommended that the sensor be installed first to ensure that the included cable will reach the transmitter after routing and securing the cable.
- b. Carefully open the Bleed Airflow Sensor and Wall Mount Installation Kit packages and inspect for damage. If damage is noted, immediately file a claim with carrier.

3 BLEED SENSOR WALL MOUNT KIT INSTALLATION

The following paragraphs detail installation of the bleed airflow sensor with the wall mount installation kit. Figure 2 shows installation detail for the Wall Mounting kit between two adjacent spaces. The bleed sensor requires a 3 to 3.5 inch (76.2 to 88.9 mm) opening through the wall. Each opening is covered by the stainless steel face plates provided. The plates should be secured and sealed to the wall surface.

- a. Orient the bleed sensor so that the airflow directional arrow label points from the normally higher pressure side to the lower pressure side of the installation.
- b. Mount the sensor (if necessary) using suitable attaching hardware (provided by others) at the four mounting holes.
- c. Install tubing as shown from each pressure zone.
- d. A rain shield or louver (provided by others) must be used to prevent water carry over into the sensor on exterior wall surface applications subject to precipitation.
- e. Route the plenum rated cable supplied to the Ebtron transmitter.

CAUTION



On exterior wall surface applications, a rain shield or louver (provided by others) must be used to prevent water carry over into the sensor.

- f. For improved accuracy, engage the Field Adjust Wizard feature on the transmitter as outlined in the Transmitter technical manual (under separate cover).

For any application specific installation questions, concerns or assistance, please contact the Ebtron Applications team at 800.2EBTRON (800. 232-8766).