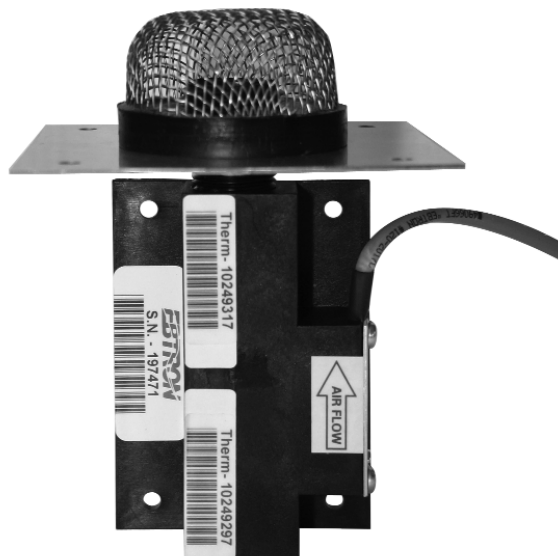


Bleed Airflow Sensor

Installation Guide for -B Bleed Airflow Sensor with Underfloor/Floor Mount Kit

Bleed Airflow Sensor with
Underfloor/Floor Mount Kit (Part number 800-1255)
For use with Gold Series GB1, and
Hybrid Series HB1/SB1 Bleed Airflow Sensors

Document Name: IG_B_UF_FLOOR_R1A



Bleed Airflow Sensor with Underfloor/Floor Mount Kit

Table of Contents

1	OVERVIEW	3
2	PREPARATION FOR INSTALLATION	4
3	BLEED SENSOR UNDERFLOOR/FLOOR MOUNT KIT INSTALLATION	4

List of Figures

Figure 1.	Bleed Airflow Sensor and Underfloor/Floor Mount Installation Kit Components.....	3
Figure 2.	Typical Application, Bleed Airflow Sensor and Underfloor/Floor Mount Installation Kit.....	3

1 OVERVIEW

This document provides the instructions necessary to install the Bleed Airflow Sensor when supplied with the Underfloor/Floor mounting kit shown in Figures 1 and 2. Figure 2 shows installation details for the underfloor/floor mounting kit for underfloor systems. The bleed sensor requires a 3 to 3.5 inch (76.2 to 88.9 mm) opening through the floor, in a suitable non traffic location. The opening is covered by the stainless steel face plate and the protective screen provided. The plate should be secured and sealed to the floor.

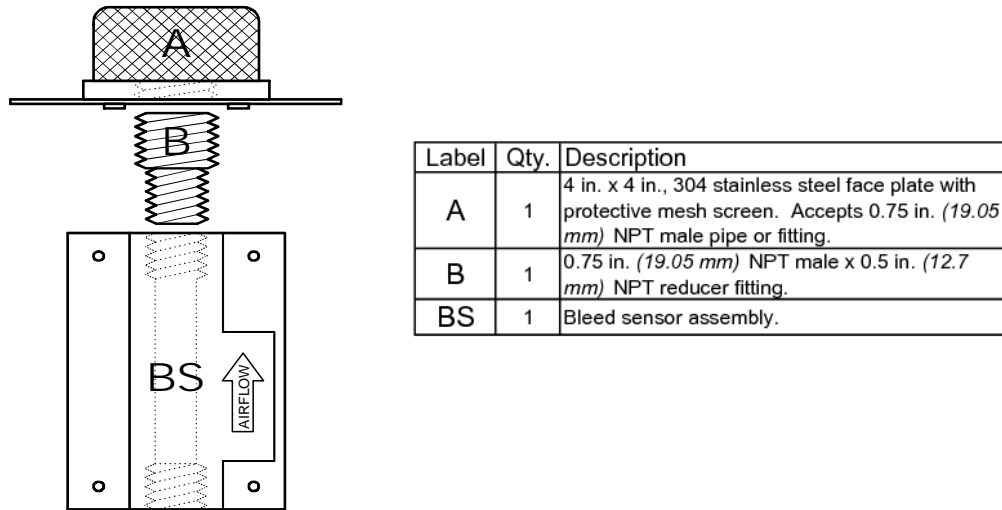


Figure 1. Bleed Airflow Sensor and Underfloor/Floor Mount Installation Kit Components

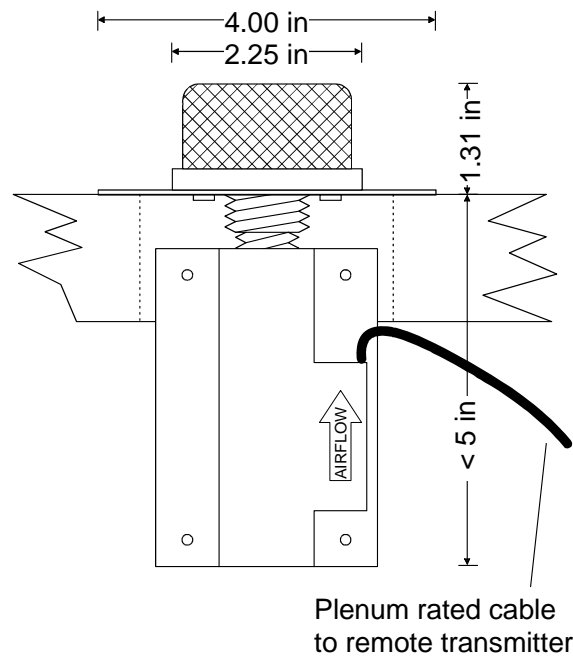


Figure 2. Typical Application, Bleed Airflow Sensor and Underfloor/Floor Mount Installation Kit

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.

WARNING



Do not place the protective screen in an expected floor traffic area since it protrudes approximately 1-3/8 inches above the floor surface.

- b. Carefully open the Bleed Airflow Sensor and Underfloor/Floor Mount Installation Kit packages and inspect for damage. If damage is noted, immediately file a claim with carrier.

3 BLEED SENSOR UNDERFLOOR/FLOOR MOUNT KIT INSTALLATION

The following paragraphs detail installation of the bleed airflow sensor with the underfloor/floor mount installation kit. Figure 2 shows typical Bleed Airflow Sensor installation detail for the Underfloor/Floor Mounting kit. The bleed sensor requires a 3 to 3.5 inch (76.2 to 88.9 mm) opening through the floor in a suitable non traffic location. The opening is covered by the stainless steel face plate and the protective screen provided. The plate should be secured and sealed to the floor.

- 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 the four mounting holes provided with suitable attaching hardware.
- c. Install tubing as shown from each pressure zone.
- d. The supplied shield (or equivalent) must be used to protect the Bleed Sensor opening. Do not place in expected high traffic areas where the protective screen protrudes approximately 1-3/8 inches above the floor surface. In addition, in all applications, prevent water any carry over into the sensor.
- e. Route the plenum rated cable supplied to the Ebtron transmitter.
- 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).