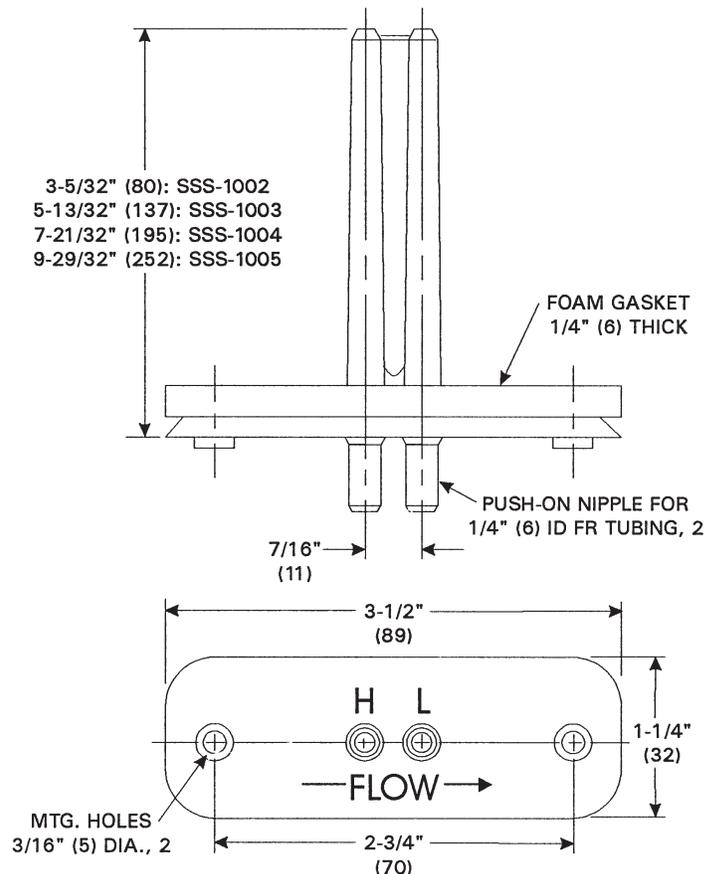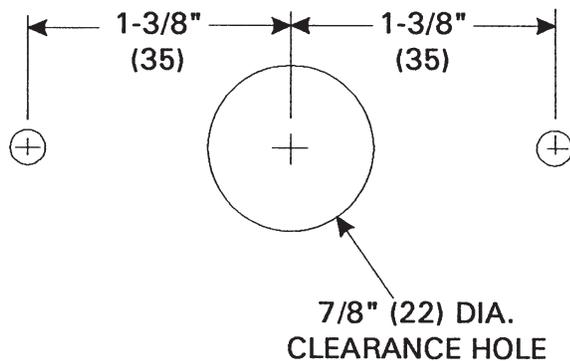# Installation Guide

Mounting

1. Determine the duct's flow direction and install the SSS-1000 based on the unit's flow arrow imprint.

NOTE: **The sensor must be mounted with the arrow pointing in the direction of the air flow.**

2. Cut a 7/8" hole in the duct to accept the unit.
3. Attach using two self-tapping screws inserted in the 3/16" mounting holes.

Connections

Connections use 3/8" OD polyethylene tubing. Check that there are **no sharp bends** in the tubing at any connection. Bends and creases may leak as tubing ages.

1. Connect the Port "H" to the "High" input on the VAV controller.
2. Connect the Port "L" to the "Low" input on the VAV controller.

NOTE: With **CSC-3000 series, CSP-4000/5000 series, KMD-7000 series, and BAC-7000 series controllers**, use an **HFO-0108 3/8" to 1/4" barb union adapter** and appropriate polyethylene tubing to the sensor and controller. **For maximum accuracy in the CSP-5000 series, KMD-7000 series, and BAC-7000 series** controllers, the 3/8" OD tubing between the sensor and the adapter should be as short as possible, and the 1/4" OD tubing from the adapter to the controller should be 24" long (on both the High and the Low sides).

Specifications

Material	Light gray ABS/ polycarbonate (UL94-5V)
Mounting	Integral flange with gasket
Connection	1/4" (6 mm) nipple for 3/8" (10 mm) OD polyethylene tubing
Weight	1 oz. (28 grams)

Temperature Limits

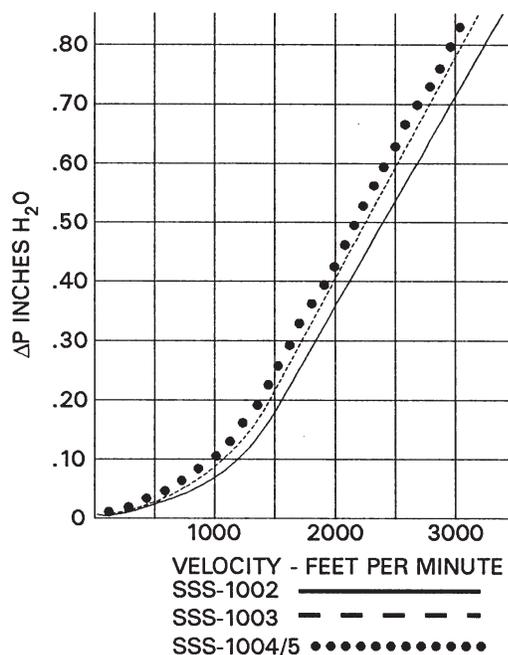|	
Operating	40 to 120° F (4 to 49° C)
Shipping	–40 to 140° F (–40 to 60° C)

Accessories

HFO-0108   3/8" x 1/4" barb union adapter

Maintenance

Sensing orifices must be kept free of dust accumulation or debris. The sensors are designed for dependable, long-term reliability and performance.

VELOCITY - FEET PER MINUTE
SSS-1002 ———————
SSS-1003 — — — — —
SSS-1004/5 ●●●●●●●●●●●

FPM = K x SQRT(ΔP)	
Model	**K**
SSS-1002	3450
SSS-1003	3300
SSS-1004	3200
SSS-1005	3200
Feet per minute equals the (relevant model) K factor times the square root of the differential pressure.	

$$FPM = K \times SQRT(\Delta P)$$