Description

The TSP-8001 is a secondary actuator for SimplyVAV dual-duct installations. The actuator connects directly to a BAC-8007 SimplyVAV controller for easy installation.

- ♦ Integrated airflow sensor
- ♦ No set up required. All programing and sequences are built into the SimplyVAV BAC-8007 dual-duct primary controller.
- ♦ All inputs and outputs for SimplyVAV controllers are set up at the factory. No field programming is required.

Specifications

Inputs and outputs

All inputs and outputs connect directly to a BAC-8007 SimplyVAV controller. Connections are made with screw terminals that accept wire size 12-16 AWG.

Air flow sensor features

CMOS differential pressure 0-2 inches of water (0-500 Pa) measurement range. Internally linearized and temperature compensated.

- ♦ Configured as BACnet analog input object.
- ♦ Span accuracy 4.5% of reading.
- ♦ Zero point accuracy 0.0008 in. H2O/0.2 Pa at 25° C
- ♦ Barbed connections for 1/4 inch FR tubing.

Actuator features

Torque	40 in-lb. (4.5 N•m)
Angular Rotation	0 to 95°
	Adjustable end stops at 45° and 60° rotation
Motor Timing	90 sec./90°at 60 Hz

Shaft size

Directly mounts on 3/8 to 5/8 inch (9.5 to 16 mm) round or 3/8 to 7/16 inch (9.5 to 11 mm) square damper shafts.

Installation

Supply voltage	24 volts AC (–15%, +20%), 50-60 Hz, 5 VA, Class 2 only
Weight	13.2 ounces (375 grams)
Case material	Gray and black flame retardant plastic
Environmental limits	
Operating	32 to 120° F (0 to 49° C)
Shipping	–40 to 140° F (–40 to 60° C)
Humidity	0-95% relative humidity (non-condensing)

Specifications

Regulatory

- UL 916 Energy Management Equipment
- CE compliant
- SASO PCP Registration KSA R-103263
- FCC Class B, Part 15, Subpart B and complies with Canadian ICES-003 Class B

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
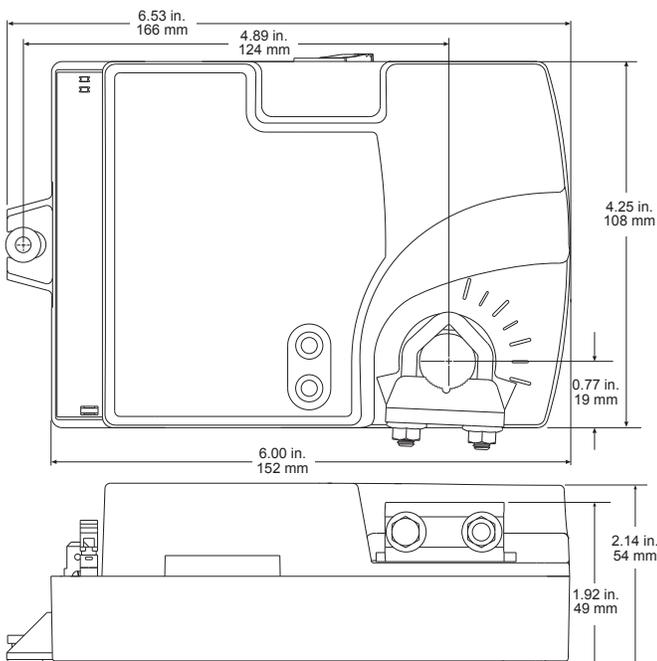
Accessories

Airflow sensors

For VAV boxes without flow pickups, order one of the following airflow sensors. A 3/16 to 1/4 inch tubing adaptor is required.

Kit-8001	An SSS-1002 sensor, 3 ft. of 0.25 in FR tubing, and adaptors
SSS-1002	3-5/32 in. length (80 mm)
SSS-1003	5-13/32 in. length (137 mm)
SSS-1004	7-21-32 in. length (195 mm)
SSS-1005	9-29/32 in. length (252 mm)

Ordering information

TSP-8001	Dual-duct VAV secondary actuator with airflow inputs

KMC Controls, Inc.
19476 Industrial Drive
New Paris, IN 46553
574.831.5250
www.kmccontrols.com
info@kmccontrols.com