SimplyVAV

Digital Temperature and Motion Sensors

Description

The SimplyVAV digital sensors are wall-mounted, temperature sensors for use with SimplyVAV series controllers. Key features include the following:

- ◆ Integrated operator interface that is ready to use with SimplyVAV series controllers
- ◆ Large LCD display
- ◆ Simple three-button interface
- ◆ Continuously displays temperature
- ◆ Displays time (after initiating a BACnet time synchronization command using capable hardware or software)
- ◆ Use as a service tool to set up SimplyVAV controllers
- ◆ Optional motion sensor to detect space occupancy and control temperature setback

Specifications

Display

- ◆ Multifunctional LCD
- ◆ 1.88 x 1.25 in. (48 x 32 mm)

Compatibility

SimplyVAV controllers

Controller Connection

Connector type	Eight-wire RJ-45 modular jack
Cable type	Standard Ethernet cable up to 75 feet (22.9 meters)
Power	Supplied by connected controller
Mounting	Surface mount directly to any flat surface or to a 2 x 4 inch or 4 x 4 inch handy-box. Mounting on a 4 x 4 inch box requires a mounting backplate.
Weight	2.8 ounces (80 grams)
Material	Flame retardant plastic

Sensor accuracy

Type	Thermistor
Accuracy	±0.36° F (±0.2° C)
Resistance	10,000 Ω at 77° F (25° C)
Operating range	48 to 96° F (8.8 to 35.5° C)

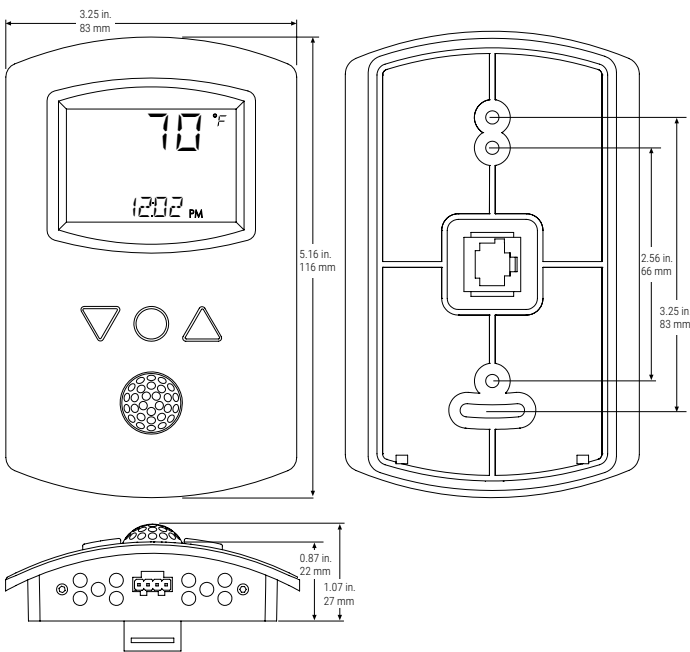Occupied heating setpoint configuration display shown.

Environmental Limits

Operating Temperature	34° to 125° F (1.1 to 51.6° C)
Shipping	–40° to 140° F (–40°C to 60° C)
Humidity	0 to 95% relative humidity non-condensing

Motion sensor

Detector type	Passive infrared
Range	33 feet (10 meters). See diagrams.

Top view   Side view

Dimensions

3.25 in.
83 mm

5.16 in.
116 mm

2.56 in.
66 mm

3.25 in.
83 mm

0.87 in.
22 mm

1.07 in.
27 mm
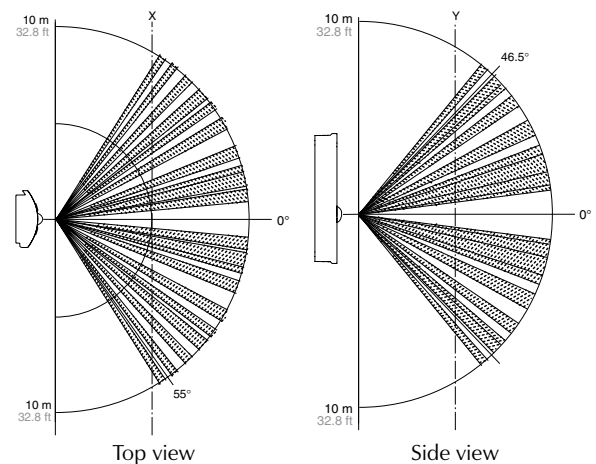
NOTE: Home display shows time after initating a BACnet time sync command with hardware or software (e.g. a BAC-5051E router, KMC Connect, KMC TotalControl, KMC Commander, etc.).

Regulatory

- ◆ 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.

FC CE

Accessories

| HMO-1161W80 | 4 x 4 inch backplate, white |
| HPO-1161 | Foam insulating gasket |

Sensor selection guide

See the data sheet for SimplyVAV STE-6000 series sensors for detail on those models.

Model	Temperature sensor	Setpoint dial	Override button	Setpoint buttons	Motion sensor	Digital display	Configuration tool	Balancing tool
STE-8001W80	◆			◆		◆	◆	◆
STE-8201W80	◆			◆	◆	◆	◆	◆
STE-6010W80	◆							
STE-6014W80	◆	◆						
STE-6017W80	◆	◆	◆					

Ordering information

Model description	Model number
SimplyVAV digital temperature sensor	STE-8001W80
SimplyVAV digital temperature and motion sensor	STE-8201W80

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