PRODUCT OVERVIEW

The 75F® Smart Stat™ thermostat and controller provides an integrated in-room, wall-mounted user interface, with up to seven onboard sensors. The Smart Stat can control a range of single or two-stage equipment to support comfortable, healthy and efficient buildings. Perfect for office spaces, conference rooms, hotel rooms, patient rooms and other environments where individual zone sensing, display and controls are desired.

The 75F Smart Stat features a radial touch-illuminated interface, an OLED display, plus a daughter board with physical control capabilities for dual stage equipment. An additional button allows local user control for functions like fan speed, depending on the profile.

The Smart Stat sensors include occupancy, temperature, VOC, derived CO_2, humidity, light and sound measurement, and it can be ordered with a dedicated CO_2 sensor to add room measurement.

FEATURES

- Temperature & humidity sensors
- High accuracy UV index sensor; ambient light sensor
- VOC sensor with derived CO_2
- Optional dedicated CO_2 sensor
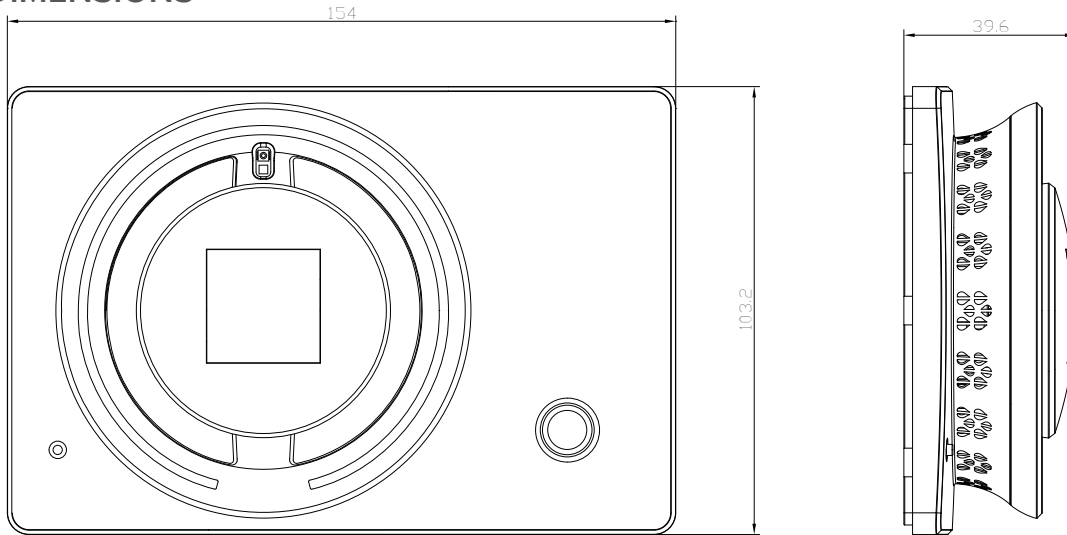- Occupancy Sensor
- Sound sensor

75F® FACILISIGHT®

Facilisight, our suite of web and mobile apps, allows for remote monitoring and control of your smart HVAC or lighting system. Oversee and manage the 75F system across all your sites. Compatible with iPhone, iPad, Android phones and all major web browsers. 75F® Occupant App™ enables users to personalize temperature and lighting.

APPLICATIONS

75F® Single Stage Equipment™

Unit Heaters
Water Source Heat Pumps
Dual Stage Rooftop Units
PTAC Units
4-Pipe Fan Coil Units
2-Pipe Fan Coil Units

DIMENSIONS

154

103.2

39.6

INCLUDED

- (1) Smart Stat
- (1) Airflow sensor

VARIATIONS

- **#3155:** Smart Stat + Airflow sensor + (1) C0₂ Sensor

SMART STAT SPECIFICATIONS

GENERAL	
Mounting	(2) screws in drywall
Dimensions	154mm length, 103.2mm height, 39.6mm plate depth
Operating temp.	Operating temp. 0-50˚C (32-122˚F)
Accuracy & Range	Temperature (typical +/- 0.2C)
	Humidity (typical +/- 2% RH)
	VOC sensor with derived CO_2: 0 – 60,000 ppm; TVOC: 0 – 60,000 ppb; Typical Accuracy 15% of measured value
	Optional dedicated CO_2 sensor: 0 – 2,000 ppm
	High accuracy UV index sensor; matches erythermal curve, ambient light sensor, <100 mlx resolution
	Sound sensor 40-120dB
	Occupancy sensor 35-degree field of view

ELECTRICAL	
Power	24V ac for power. Consumption < 1VA
Inputs	(2) 10K Type-2 thermistor inputs, (2) 0-10V analog inputs
Outputs	(6) Relays 125V ac/0.3A, 30V dc/1A

COMMUNICATIONS	
Bluetooth ✴	Used during commissioning and wireless triangulation
Mesh **900 MHZ**	IEEE 802.15.4-compliant; used for device communication on mesh network
Wired	4 wire RS-485 interface. BACnet support coming soon.