75F® Occupancy and Temperature Node

A high-precision, pre-calibrated Occupancy, temperature and humidity sensor

- Accurate Occupancy detection

- Accurate Temperature and humidity readings

- Battery operated

75F® OTN

75F's suite of sensor offerings gives building owners the power of IoT-connected devices for optimal efficiency and comfort in spaces where it matters most. Measure to manage with the 75F OTN, a high-precision Occupancy, temperature and humidity Node that communicates with the 75F CCU to deliver data that influences temperature control.

OVERVIEW

The Occupancy and Temperature Node (OTN) adds a high precision Occupancy, temperature and humidity sensor that is pre calibrated from the factory. The OTN is easily mounted on a wall or even surfaces completely inverted. The OTN is powered using 2 x AA batteries which provides enough power to last for a couple of years.

KEY FEATURES

• Accurate Occupancy detection(110 deg angle at 3mtr)

• Accurate temperature readings (typical +/-0.2C)

• Accurate humidity readings (typical +/- 2% R.H.)

• Works on the LW mesh along with other 75F® Nodes and Stats.

• Battery powered providing more than 2 years battery life.

ADDITIONAL FEATURES

• Sleek design, low impact aesthetics
• Factory pre-calibrated
• Easily mounted

COMPATIBLE APPLICATIONS

• 75F Temperature Influencing
• 75F® Dynamic Airflow Balancing™
• 75F® Outside Air Optimization™
• 75F® Smart VAV with Reheat™
• 75F® Hydronic Controls™
• 75F® Single Stage Equipment™

75F® OTN

MECHANICAL

Dimensions	142mm x 79mm x 32mm
Mounting	Wall mount
Operating Temperature	Operating Environment: **0°F – 122°F**

SENSORS

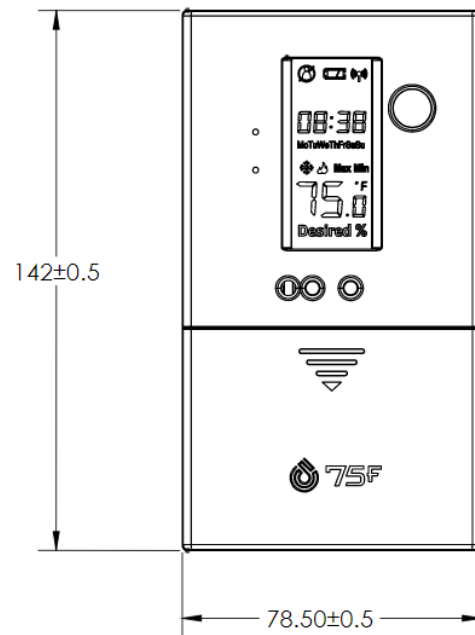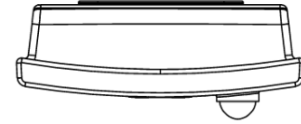|	
Temperature	Operating range between 0 to 125°C; typical accuracy of +/- 0.2C
Humidity	Sensing range between 0 to 100%RH; Typical accuracy of +/- 2% RH
Occupancy	3m with 120-degree conical angle.

ELECTRICAL

Power	2 x AA Battery (3VDC)

COMMUNICATIONS

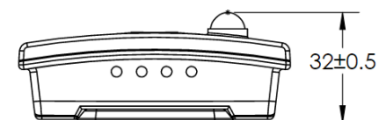|	
Mesh	IEEE 802.15.4-compliant; used for device communication on mesh network

TOP VIEW

142±0.5

78.50±0.5

FRONT VIEW

32±0.5

BOTTOM VIEW