

Wireless Ceiling Sensors

ZigBee Pro Ceiling Motion Sensor

The wireless ceiling-mounted motion sensor is an accessory for the VT8000 Series Room Controllers. Detecting motion, temperature and humidity in a room, it is ideal for use in hotels, schools, dormitories, military barracks and other similar facilities.



Ceiling Motion Sensor Features



AT A GLANCE

- Compact size
- Three color LED event indication
- Long battery life (up to 5 years)
- Easy battery replacement
- ZigBee Pro wireless low power communication
- Easy pairing with VT8000
- Reports on : Occupied / Unoccupied / Stand-By range
- Measures temperature and humidity

A sleek, compact, and easy to install wireless sensor that provides motion and occupancy information to enable Room Controllers to further optimize management of HVAC and other systems.

Introduction

The SED-CMS-P ceiling-mounted motion sensor communicates wirelessly with VT8000 Series Room Controllers, reporting occupant motion from anywhere within its viewing range. Using this additional information, the VT8000s advanced occupancy management control sequences regulate HVAC equipment and other connected systems to maximize energy savings without compromising comfort. The sensor also reports Temperature ($\pm 0.5^{\circ}\text{C}$) & Humidity ($\pm 4\%$ RH) readings to the Room Controller.

In hotels and other hospitality facilities, the motion sensor enables the automated set-back or stand-by of HVAC equipment and other systems to reduce unnecessary energy consumption.

Use and compatibility

The SED-WMS-P is compatible with all VT8000 Series Room Controllers equipped with a ZigBee Pro[®] communication module.

Installation

The sensor requires no communication or power wiring. Communication is wireless using ZigBee Pro. Power is provided by batteries included in the product's box. By not having to install or connect cabling makes installation fast and easy, reducing labor costs on deployment.

- Battery life up to 5 years
- Battery status is communicated to the VT8000

Communication

- ZigBee Pro compatible with VT8000 Room Controllers

Integration

The motion status and battery status can be accessed through the display of VT8000 Room Controller. They are also visible in StruxureWare[™] Building Operation when the VT8000 is integrated via BACnet[®] MS/TP or in StruxureWare Building Expert when the VT8000 is integrated via ZigBee Pro. It is not recommended to use ZigBee networking between MPMs for an installation where ZigBee sensors will be used. The ZigBee sensors function when bound to the ZigBee network coordinator directly.



Ceiling Motion Sensor

Specifications

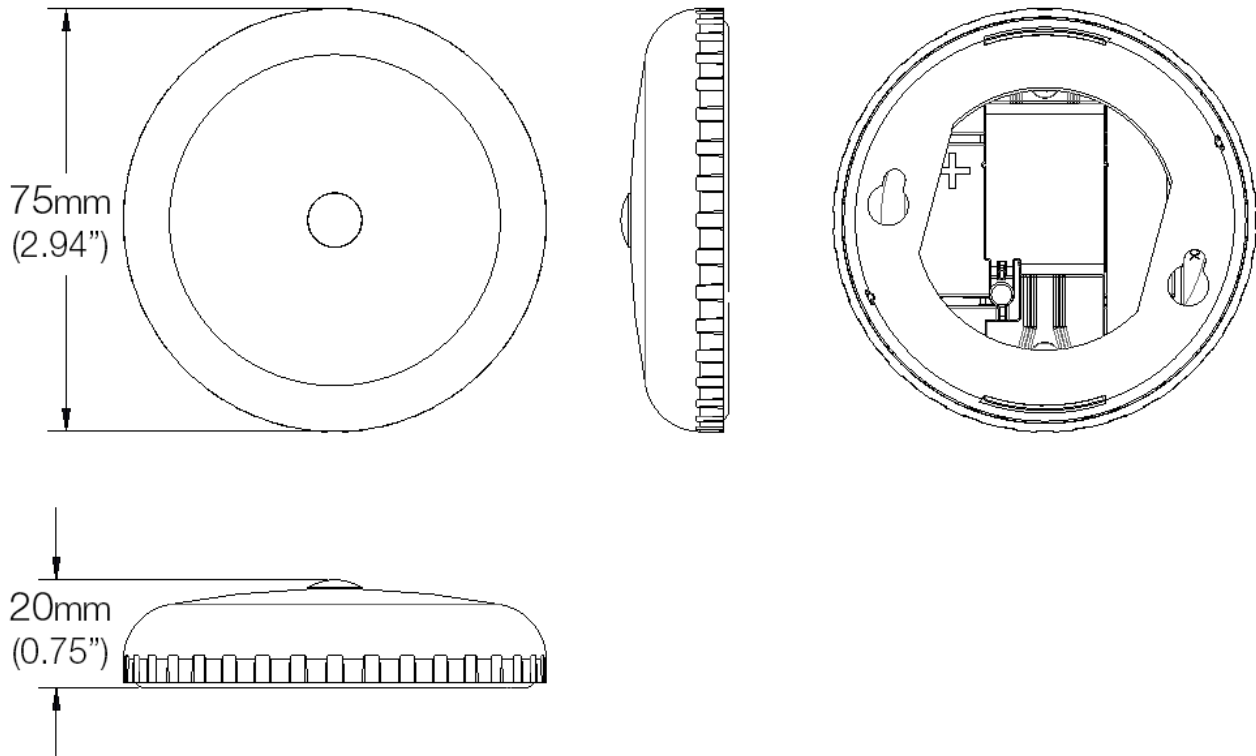
Dimensions	75mm diameter x 20mm thick (2.94in diameter x 0.75in thick)
Color	White
Weight	50g (1.8oz) with batteries
Communication	ZigBee, HA1.2 Compatible
Communication Range	Up to 40ft (12m), open field 300ft (100m)
Detection Range	Maximum: 90 deg cone, 16.5ft (5m) Recommended: 45 deg, 12ft (3.6m)
Battery Voltage	1.5VDC Alkaline
Battery Cell	2 x AAA (recommended Panasonic LR03XWA)
Battery Life	Up to 5 years
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)

Certification



 Check with your local government for instruction on disposal of these products.

Dimensions



Ordering Information

Part numbers

SED-CMS-P-5045 ZigBee Pro ceiling-mounted motion sensor

NOTE: Not compatible with VT8000 Room Controllers purchased before November 2014. Contact Sales Representative for further details.