

EXTERNAL MOTION SENSOR

FIXTURE INTEGRATED 0-10V LIGHTING CONTROL FOR DIM-TO-OFF DRIVERS

OVERVIEW:

The OSM1 node delivers simple, fully connected LED lighting fixtures. The form factor includes a digital PIR and ambient light sensing for daylight harvesting applications as well as very accurate occupancy detection. Easy to integrate into a high bay fixture through an available half inch knock out, the OSM1 node bi-directionally communicates data to and from the lighting control network.

DESCRIPTION:

The OSM1 is designed to fit into most highbay LED lighting fixtures. The digital PIR sensor is rated for ceilings up to 39 feet. Although configurable for advanced settings, the OSM1 is designed for plug and play applications. It is flexible enough for both localized control as well as software driven enhancement and also integration for BACnet through Magnum's M9-EBOX (Beghelli EBOXM1, item #476100316). The critical data points provided from this node includes occupancy status, light levels and light status.



Magnum model: M9-OPUS-HBKO10V
 Beghelli item # 476100283

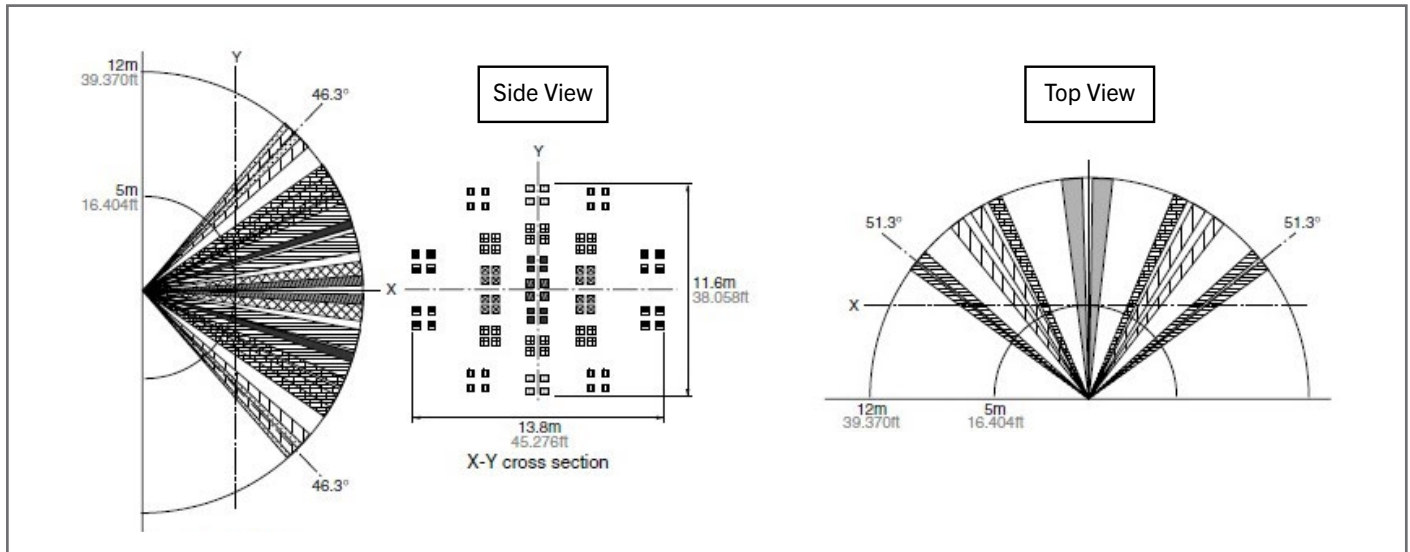
FEATURES:

- Full digital passive infrared for occupancy sensing
- Powered from driver
- Wireless communication
- Daylight harvesting
- Compatible with 0-10V, dim-to-off LED drivers
- Remotely configurable

TECHNICAL DATA:

Frequency	902 MHz - North America
Motion Sensing	Digital Passive IR
Detection Distance	12 m (39.3696 ft)
Detection Range (Horizontal x Vertical)	102° x 92°
Detection Zone	92 Zones
Ambient Light Sensing	0-94.8 FC (0-1020 LUX) Photo IC type
Operating Temperature	32° - 140°F (0° - 60°C)
Input Voltage	12-24VAC /12-36VDC
Output	0-10VDC @ 30mA (sinking driver) 5mA (sourcing driver)
Standby Power	< 1W
Wireless Protocol	EnOcean Wireless Protocol
Wireless Range	150 ft (50 ft-150 ft typical) / 45.72 m (15.24 m - 45.72 m)
Certifications	CE DLC

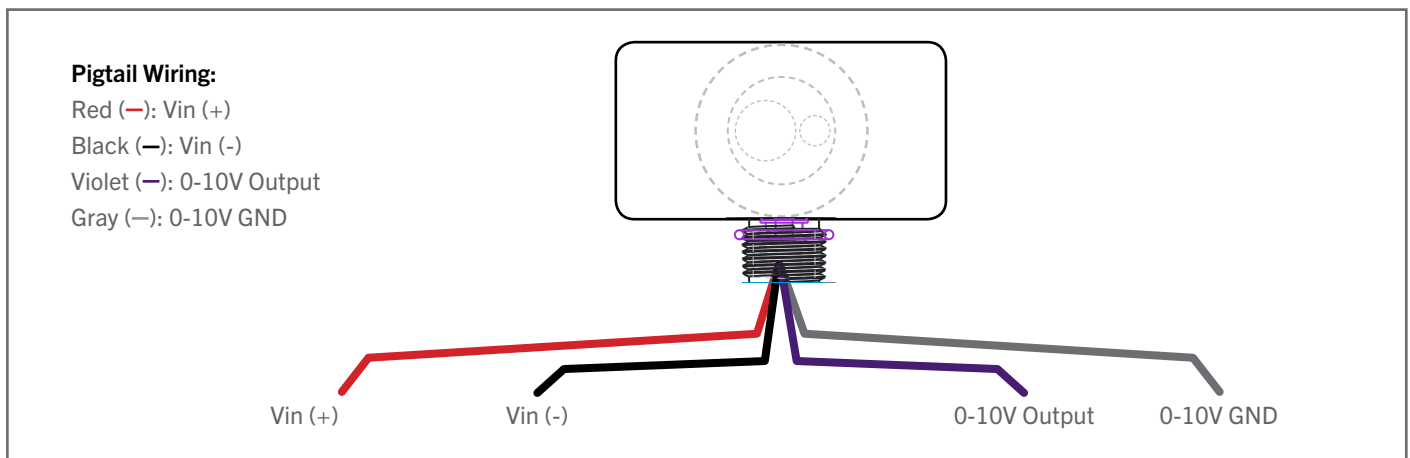
DETECTION PERFORMANCE:



DIMENSIONS:



WIRING DIAGRAM:



NOTE: Wireless device antenna cannot be enclosed inside a metal box. Wireless range will be greatly limited with enclosed antenna.