

LOG-HBK010V

0-10V KNOCK-OUT LUX & MOTION SENSOR



LOG-HBK010V
(476100283)

Features

- Daylight harvesting.
- Remotely configurable.
- Wireless communication.
- Full digital passive infrared for occupancy sensing.
- Powered from driver or any available 12-24VAC / 12-36VDC source.
- Compatible with 0-10V, dim-to-off LED drivers.

Overview

LOG-HBK010V node enables any lighting manufacturer with a high bay lighting offering to deliver simple, fully connected 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, this node bi-directionally communicates data to and from the lighting control network.

Description

LOG-HBK010V is designed to fit into most high bay LED lighting fixtures. The digital PIR sensor is rated for ceilings up to 11.8 meters. Although configurable for advanced settings, the LOG-HBK010V 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 LOGICA®'s EBOX (LOG-EBOX). The critical data points provided from this node includes occupancy status, light levels and light status.

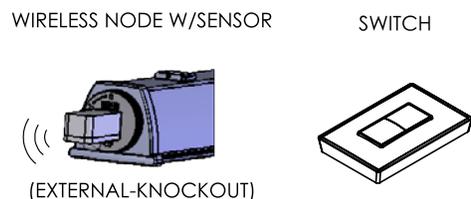
Application Notes

BASIC		ADVANCED	
· Zoning	· Easy start-up & configuration	· Networking	· Device monitoring / Remote diagnostic
· Addressable	· Scene control	· Scheduling	· Personal control
· Dim-to-Off	· Luminaire level lighting control	· BACnet	· Restricted access

Compatible Devices



Basic Common Application

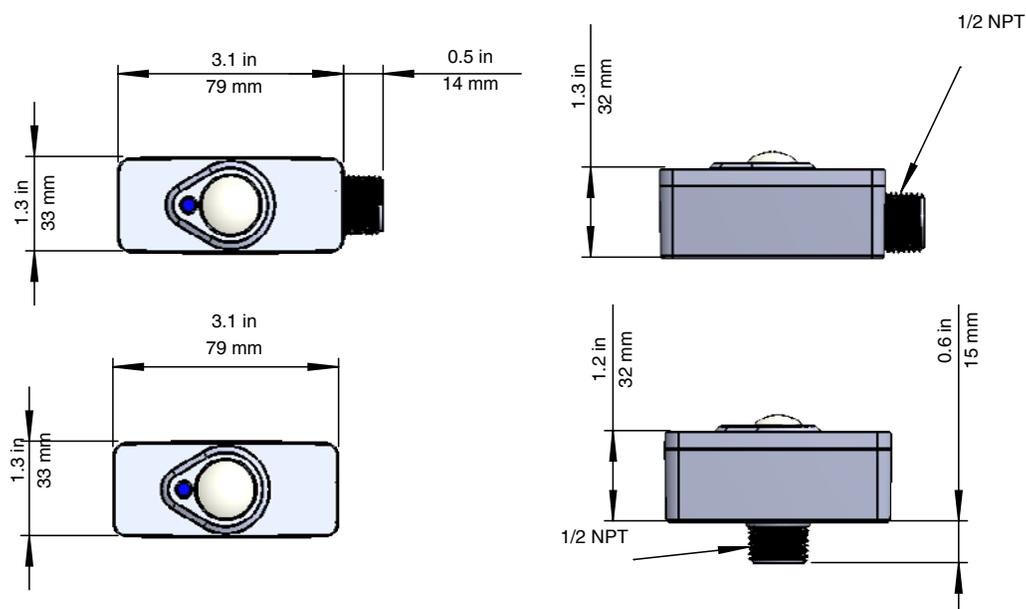


Technical Specifications

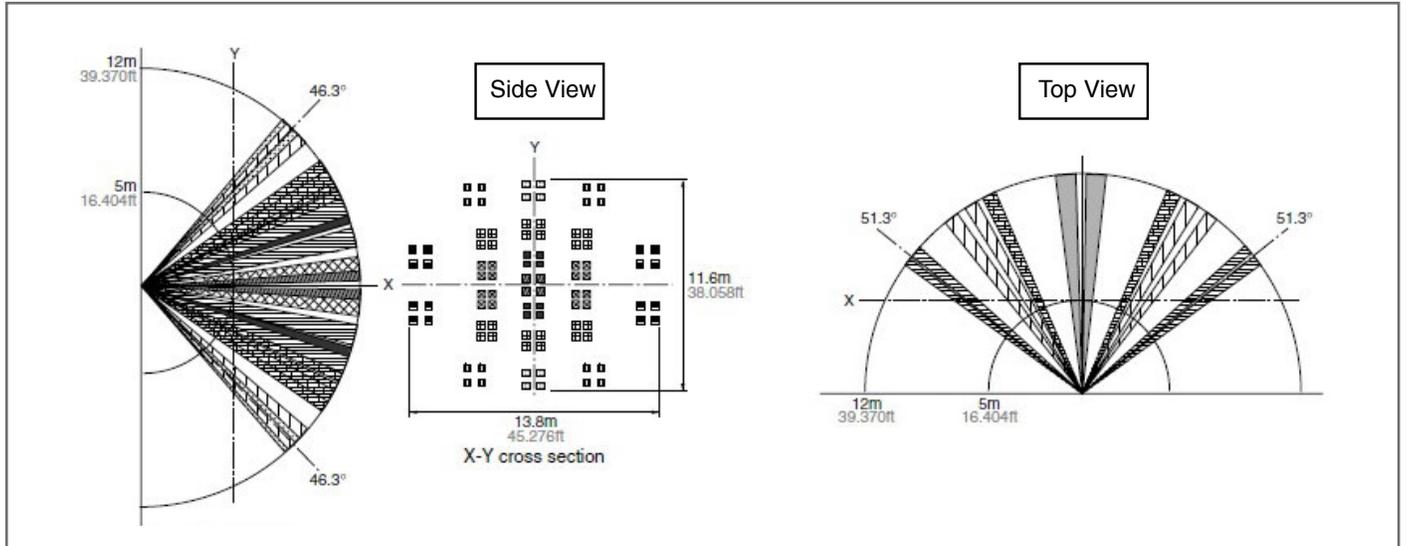
Motion Sensing	Digital Passive IR
Ambient Light Sensing	0-94.8 FC (0-1020 LUX), Photo IC type
Detection Distance	12 m
Detection Range (Horizontal x Vertical)	120° x 92°
Operating Temperature	0° - 60°C
Input Voltage	12-24VAC / 12-36VDC
Continuous Dimming	0-10VDC
Standby Power	< 1W
Wireless Protocol	EnOcean Wireless Protocol
Wireless Range	45.72 m (15.24 m - 45.72 m)
Start Up & Configuration	LOG-USB (476100295) & LOGICACONFIG

***Note:** LOGICA® wireless device antenna cannot be enclosed inside a metal box. Wireless range will be greatly limited with enclosed antenna.

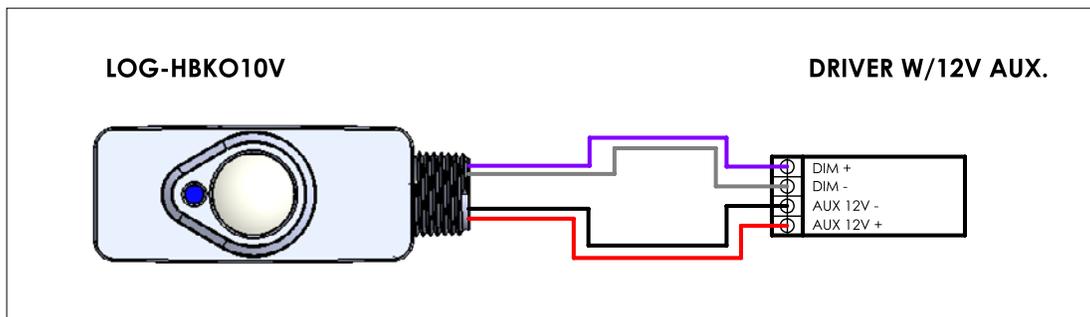
Dimensions



Detection Performance



Wiring Diagram



NOTE: FOR 0-10V A DIM-TO-OFF DRIVER IS NEEDED IN ORDER TO TURN OFF THE FIXTURE.