

LOG-ML10V

IN FIXTURE 0-10V LIGHTING CONTROL

indoor   



Features

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

Overview

LOG-ML10V node, when connected to 0-10V dim-to-off drivers, enables any lighting manufacturer to deliver simple, fully connected fixtures. The small and sleek form factor includes a digital PIR sensor and ambient light sensing for daylight harvesting applications as well as occupancy based control. LOG-ML10V allows for 0-10V dimming and dim-to-off functionality, providing continuous dimming control to conserve energy, simplify maintenance and personalize the lighting environment.

Description

LOG-ML10V is designed with a low profile, making it architecturally and aesthetically pleasing. This node easily integrates into lighting fixtures or customized housings. LOG-ML10V consist of a compact lens, allowing it to fit into small fixtures. Although configurable for advanced settings, this node is designed for plug and play applications. LOG-ML10V can also be integrated to BACnet through LOGICA®'s gateway (LOG-EBOX).

Options in Operation

Local Control: An on board microprocessor and memory allows for standardized operation at the fixture level, eliminating the reliance on software or network configuration. LOG-ML10V can be utilized out of the box with default settings or configured for advanced operation through LOGICACONFIG Software. Preferences and behavior settings can be accomplished using simple drag and drop remote configuration in a localized fashion, even after installation is completed.

Integration to BAS: LOG-ML10V has the ability to communicate information through LOGICA®'s EBOX (LOG-EBOX) and into an existing Building Automation System. The convergence of lighting and building automation allows for granular information to be communicated to the BAS for improved operational efficiency.

Environmental Concerns:

- Humidity degree: 15 to 85%Rh (Avoid condensation or freezing of this product)
- Pressure: 86 to 106KPa
- Overheating, oscillations, shocks can cause the sensor to malfunction.
- This sensor is not waterproof or dust-proof. Avoid use in environments subject to excessive moisture, condensation, frost, containing salt air or dust.
- Avoid use in environments with corrosive gases.

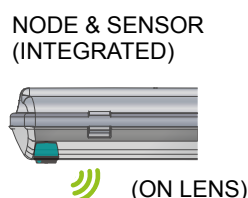
Technical Specifications

Motion Sensing	Digital Passive IR
Ambient Light Sensing	0-94.8 FC (0-1020 LUX), Photo IC type
Detection Distance	5 m
Detection Range (Horizontal x Vertical)	94° x 82°
Operating Temperature	0° - 50°C - Indoor use only
Input Voltage	12-36 VDC / 24 VAC
Continuous Dimming	0-10 VDC
Standby Power	< 1W
Wireless Range	45.72 m (15.24 m - 45.72 m)
Knockout Size	22.225 mm
Start Up & Configuration	LOG-USB (476100295) & LOGICACONFIG

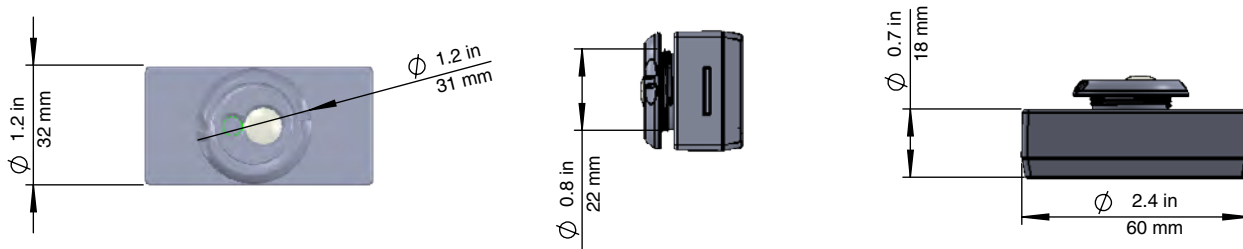
***Note:** LOGICA® wireless device antenna cannot be enclosed inside a metal box. Wireless range will be greatly limited with enclosed antenna.

Application Notes

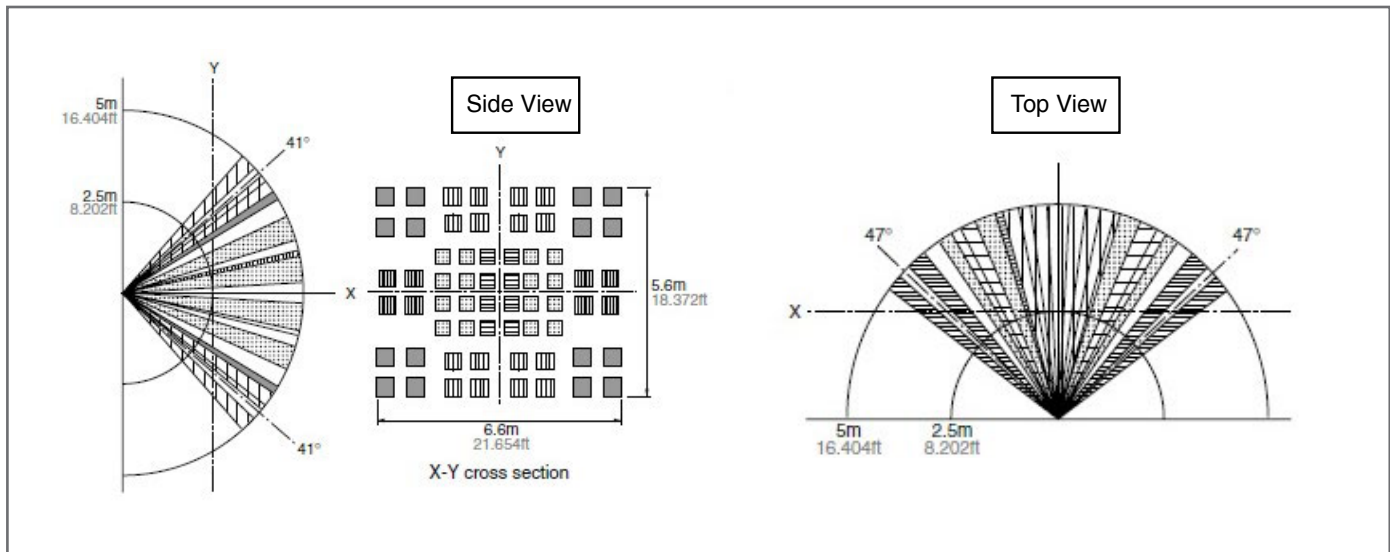
BASIC		ADVANCED	
· Zoning	· Luminaire level lighting control	· Networking	· Device monitoring / Remote diagnostic
· Addressable	· Easy start-up & configuration	· Scheduling	· Personal control
· Scene control		· BACnet	· Restricted access

Compatible Devices**Basic Common Application**

Dimensions



Detection Performance



Wiring Diagram

