LOG-10V12
IN FIXTURE 0-10V LIGHTING CONTROL NODE

indoor

Features

· Wireless communication.
· In fixture installation.
· Powered from driver or any available 12-15 VDC source.
· Compatible with 0-10V, dim-to-off LED drivers.
· Remotely configurable.

Description

LOG-10V12 is integrated into the lighting network at the fixture level. LOG-10V12 gives lighting OEMs and driver manufacturers the flexibility to incorporate lighting control as a value added part of their lighting related offering. It also allows for multiple drivers to be connected together through the 0-10V output.

LOG-10V12 is designed to mount onto a fixture prior to leaving the manufacturing facility or can be retrofitted after the fact. This node communicates wirelessly over radio frequency to compatible wireless end devices, including occupancy sensors, LUX sensors, light switches and more. LOG-10V12 provides for both localized control as well as software driven functionality using LOG-AP3.

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-10V12 can be utilized out of the box with default settings, or configured for advanced operation LOGICACONFIG Software. Advanced preferences and behavior settings can be accomplished using simple drag and drop remote configuration in a localized fashion, even after the installation is completed.

Integration to BAS: LOG-DR10V12 has the ability to communicate information through LOGICA®'s EBOX (LOG-EBOX) and into an existing Building Automation System (BAS). The convergence of lighting and building automation allows for granular information to be communicated to the BAS for improved operational efficiency.

Compatible Devices

REMOTE SENSOR
(LOG-ML2)
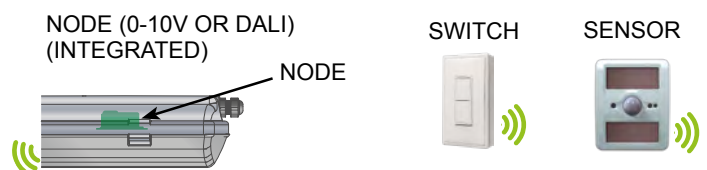(476100270)

SWITCH
(LOG-ESRP)
(476100273)

ACCESS POINT
(LOG-AP3)
(476100318)

BACnet GATEWAY
(LOG-EBOX)
(476100316)

Basic Common Application

NODE (0-10V OR DALI)
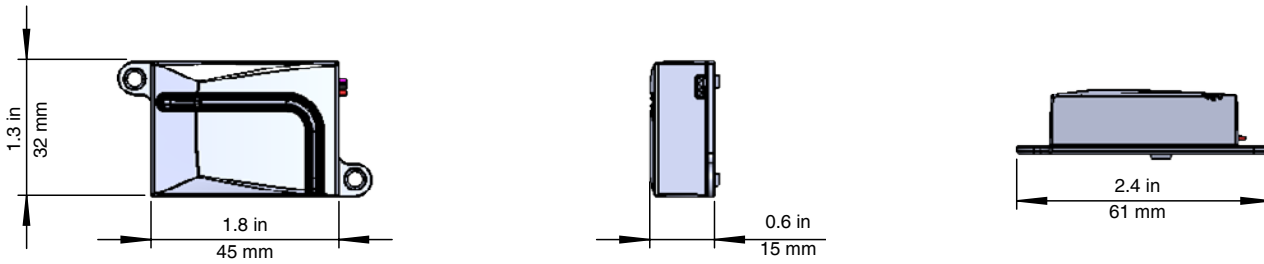(INTEGRATED)

NODE

SWITCH

SENSOR

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Technical Specifications

Input Voltage	12 - 15 VDC
Continuous Dimming	0-10 VDC
Standby Power	< 1W
Number of Outputs	1
Operating Temperature	0° - 60°C - Indoor use only
Wireless Range	45.72 m (15.24 m - 45.72 m)
Wireless Protocol	902 MHz
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.
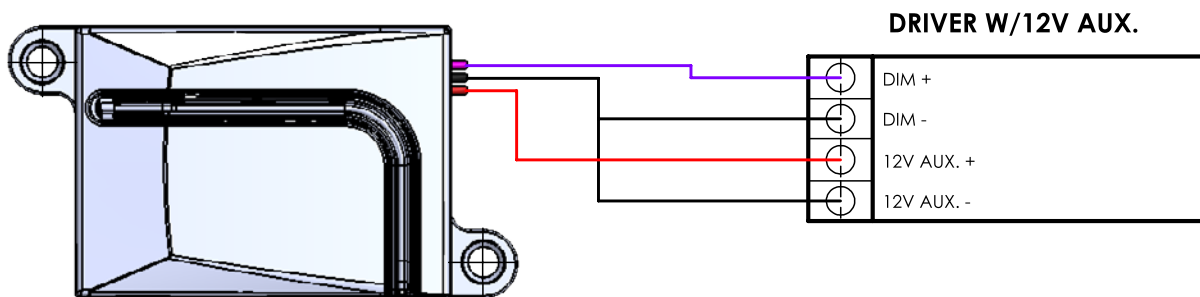
Application Notes

BASIC	
· Zoning	· Luminaire level lighting control
· Addressable	· Easy start-up & configuration
· Scene control	

ADVANCED	
· Networking	· Device monitoring / Remote diagnostic
· Scheduling	· Personal control
· BACnet	· Restricted access

Dimensions

1.3 in / 32 mm
1.8 in / 45 mm
0.6 in / 15 mm
2.4 in / 61 mm

Wiring Diagram

DRIVER W/12V AUX.

DIM +
DIM -
12V AUX. +
12V AUX. -

RED: 12-15 VDC

BLACK W/GRAY STRIP: SHARE GROUND(VDC) & GROUND (DIM -)

VIOLET: 0-10V (DIM +)

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