# LOG-NODL SOLUTION

# LIGHTING CONTROL INTERNAL NODE & REMOTE SENSOR

- The LOGICA® NODL is a internal node and remote sensor lighting control solution allows lights to turn on and shut off automatically based on occupancy and availability of natural light.
- This solution uses a internal node (LOG-10V12L), occupancy photocell sensor (LOG-ML2L), and an optional wall switch (LOG-ESRPL).
- The LOG-10V12 is inside the fixture, while the LOG-ML2L, and ESRPL (optional) are out of the fixture.
- 4 different configurations:
  - NODL-1 (Occupancy Sensor only)
  - NODL-2 (Occupancy Sensor & Daylight Harvesting)
  - NODL-3 (Daylight Harvesting only)
  - NODL-4 (Dusk to Dawn only)
- Flexible solution.
- Adjustable ramping rate of dimming.
- Scalable solution.
- Field or factory commisionable.

LOG-10V12L NODE 0-10V (INTERNAL) LOG-ML2L LOG-ESRPL REMOTE SENSOR SWITCH (OPTIONAL)

APPLICATION: LOG-NODL is ideal for single or multiple fixtures on/off or dimming control applications. LOG-NODL is ideal to use in most damp/wet locations based on product rating.

### **ORDERING LOGIC**

SOLUTION	STANDARD	OPTION <sup>1</sup>	ACCESSORIES	
NODL	1 (Occupancy Sensor only)	2 <sup>2</sup> (Occupancy Sensor & Daylight Harvesting)	LOG-ESRPL <sup>3</sup> (Wall Switch)	
3 <sup>2</sup> (Daylight Harvesting only)				
		4 <sup>2</sup> (Dusk to Dawn only)		

NOTE 1: For any other setting please contact factory.

NOTE 2: Commissioning required.

NOTE 3: Controls lighting scenes and continuous dimming

Example: NODI -2

DESCRIPTION: LOGICA internal node with wall switch solution, Occupancy and Daylight sensors activated, and dusk to dawn

### **ADVANTAGES**

- PIR occupancy sensor comes by default with 3 steps dimming.
  - 100% while occupied •
  - Step 1: 50% after 30 minutes of unoccupied.
  - Step 2: OFF after 60 minutes of unoccupied.
  - Step 3: Commissioned if needed.
- Daylight Harvesting (Photocell PIR will always overwrite daylight harvesting):
  - 0 200 lux = 100%.
  - 200 400 lux = 80%
  - 400 600 lux = 60%
  - 600 800 lux = 40%
  - 800 1020 lux = 20%
- Dusk to dawn (Photocell PIR disabled):
  - < 200 lux = ON •
  - > 800 lux = OFF



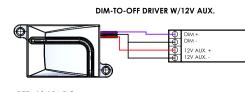
- Wall Switch (optional):
  - On
  - Higher dimming
  - Lower dimming
    - Off

DAMP



## **LOG-NODL SOLUTION**

#### WIRING DIAGRAM



RED: 12-15 VDC BLACK W/GRAY STRIP: SHARE GROUND(VDC) & GROUND (DIM -) VIOLET: 0-10V (DIM +)

#### **TECHNICAL SPECIFICATIONS**

LOG-10V12 NODE 0-10V (INTERNAL)	Input Voltage	12 - 15 VDC	
	Continuous Dimming	0-10 VDC	
	Standby Power	< 1W	
	Number Of Outputs	1	
	Operating Temperature	32° - 140°F (0° - 60°C) - Damp location	
	Wireless Protocol	Enocean Wireless Protocol	
	Wireless Range	150Ft (50Ft-150Ft Typical) / 45.72M (15.24M - 45.72M)	
	Start Up & Configuration	Log-Usb (476100295) & Logica Tool	
	Leads	24" Long Leads	

LOG-ML2L REMOTE SENSOR	Motion Sensing	Digital Passive Ir
	Detection Distance	39FT (12M)
	Detection Range (Hor. X Vert.)	102° X 92°
	Light Sensor	0-95 FC (0-1020 LUX)
	Default Transmission Interval	Immediate Upon Detected Occupancy
	Default Unoccupied Send Delay	5 Minutes (Adjustable Via Logica Tool)
	Min. Light Required To Charge	4FC (40 LUX)
	Min. Charge Time To Begin Operation	1 minute @ 20FC (200 LUX)
	Full Charge Time	~8 HOURS @ 100FC (1000LUX)
	Maintain Charge Time	3 Hours Per 24 Hours @ 20FC (200 LUX)
	Operation Life At Full Charge	Up To 72 Hours
	Optional Battery Life	10 Years (1/2Aa 3.6V Lithium)
	Operating Temperature	-3° - 140°F (20° - 60°C) - Damp Location
	Start Up & Configuration	LOG-USB (476100295) & Logica Tool
	1	
	Input	Electrodynamic Harvesting
	Transmission	Radio Frequency (RF) Transmitter
	Transmission Range	Typ. 328ft (100M)Free Field/32.8ft (10M) Indoor
	Rf Transmission	On Press & Release Of Rocker Button

WARRANTY: 5 year warranty, see website for full warranty details.

**Operating Temperature** 

Start Up & Configuration

LOG-ESRPL

SWITCH

(OPTIONAL

Beghelli reserves the right to change, without notice, specifications or materials that in our opinion will not alter the function or performance of the product. Technical specifications that appear on www.beghelliusa.com supersede all other versions existing in print or electronic form.

32° - 131°F (0° - 55°C) - Damp location

LOG-USB (476100295) & LOGICA TOOL

