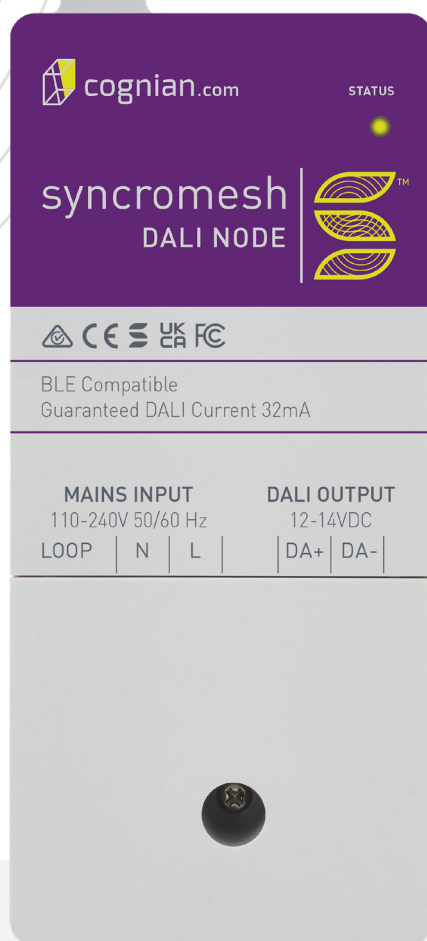


Syncromesh DALI Node



The SDN is a DALI Node for the Syncromesh Wireless Network, connecting Bluetooth devices and DALI devices to the Syncromesh Gateway.



SPECIFICATION

Syncromesh DALI Node (SDN)

Retrofit friendly

Install DALI lighting control systems into existing buildings with minimal disruption to the tenant, without running DALI cables.

Lower cost project variations

Easily add or remove lighting control project variations, after or during installation with little labour impact.

Open new possibilities

Install DALI luminaires and sensors in previously unreachable and hard to cable locations.

Eliminate costs

DALI control cables, associated conduit, and the labour to install them are no long needed.

Lower maintenance costs

DALI ballasts can be replaced without reprogramming DALI components.

Integrated BLE

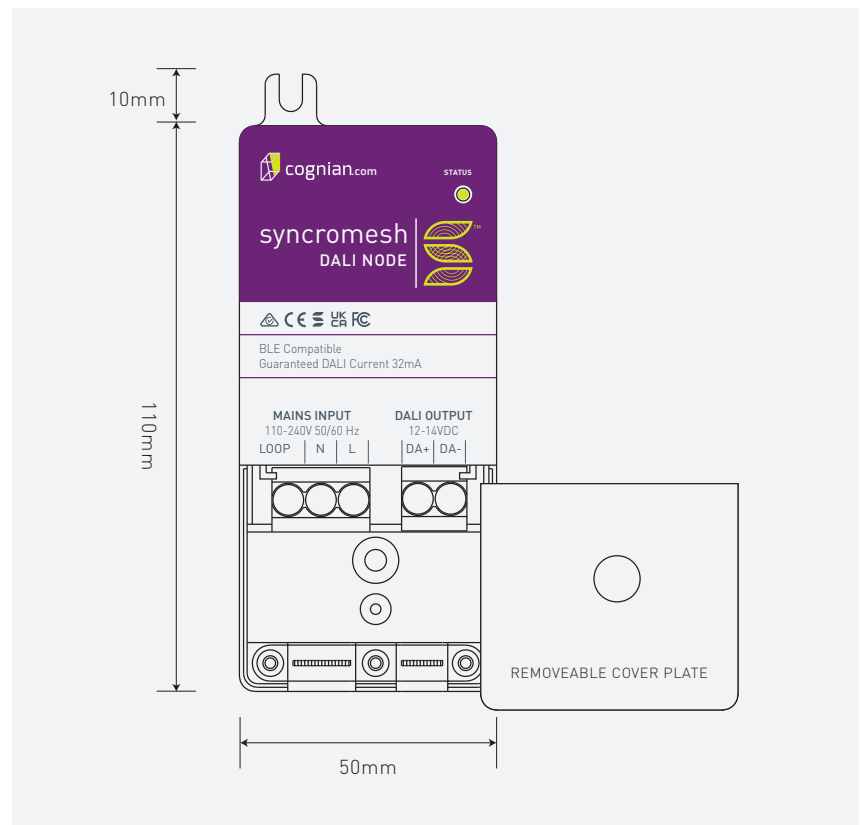
The SDN incorporates a BLE Chip for connection of BLE Inputs, including location services, environmental sensors, hvac sensors, lighting switches and beacons.

DIMENSIONS

50mm W x 110mm H x x 32mm D

LED STATUS COLOUR KEY:

- Solid The SDN has powered up and is searching for the Syncromesh wireless network.
- ⏏ Blinking Error! The DALI cable is wired to another SDN, or the DALI wires are crossed.
- ⏏ Blinking The SDN has found a Syncromesh connection and is identifying connected DALI lights.
- Solid The SDN has made a Syncromesh connection and identified DALI luminaires wired to it.



SPECIFICATION

Syncromesh DALI Node (SDN)



Syncromesh products are for commercial/industrial use.

* Note DALI Devices

The SDN device has a total of 7 slots available for connected DALI devices.

1 x slot is reserved for a Luminaire connection with remaining slots open for input devices, each device instance takes up one slot regardless if it is used or not.

Be aware that most DALI and BLE input devices have more than one instance. For example, a 4 input DALI switch will use 4 slots even if only one physical switch is connected.

ELECTRICAL	
Supply Voltage	110-240V 50/60Hz
Mains Terminals	2 x 2.5mm ² maximum 3 x 1.5mm ² maximum ✓ To make connection easy, use 1.5mm ² cable
Standby Power	~0.4W (Depending on connected DALI devices)
DALI OUTPUT	
Output Voltage	12-14VDC
Guaranteed Current	32mA
DALI Terminals	2 x 2.5mm ² maximum 3 x 1.5mm ² maximum ✓ To make connection easy, use 1.5mm ² cable
INTERFACES	
 Syncromesh Wireless	2.4 GHz ISM Band Multi-hop
Bluetooth Low Energy	Version 5.0 through 4.0
DALI	DALI & DALI-2 Type 0, 1, 4, 5, 6, 7, 8
Sensors	DALI-2 Certified + selected others
Switches	DALI-2 Certified + selected others
PHYSICAL	
W x H x D	50 x 110 x 32 mm
Casing	Polycarbonate
Aerial	Internal
Product Model	SN-DAL-1 SKU-991400189
ENVIRONMENT	
Operating Temperature	0 - 60°C
Operating Humidity Range	95% RH non condensing
IP Rating	IP20 Indoor Use Only
Mounting	Surface Mount 3.5mm holes
COMPLIANCE	
	

Due to continuous improvements and innovations, specifications may change without notice.

