# syncromesh

# Syncromesh Relay Node

**cognian**.com

STATUS

## syncromesh
### RELAY NODE

BLE Compatible
Maximum Output Load Rating 2.0A
Requirements for specific conditions on back
(Join L - Lin for Mains Switching)

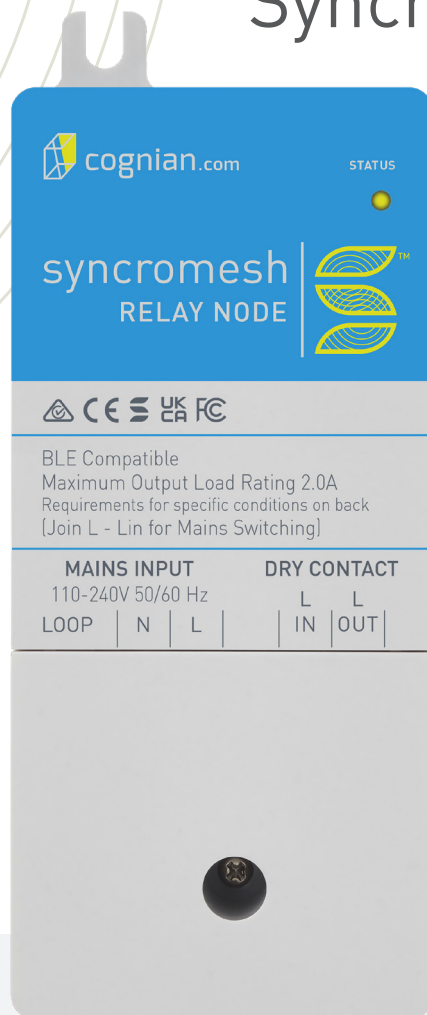| MAINS INPUT | | | DRY CONTACT | |
| --- | --- | --- | --- | --- |
| 110-240V 50/60 Hz | | | L | L |
| LOOP | N | L | IN | OUT |

The SRN is a Relay Node for the Syncromesh Wireless Network, connecting Bluetooth devices and a single dry contact suitable for mains switching.

**cognian**technologies

## SPECIFICATION
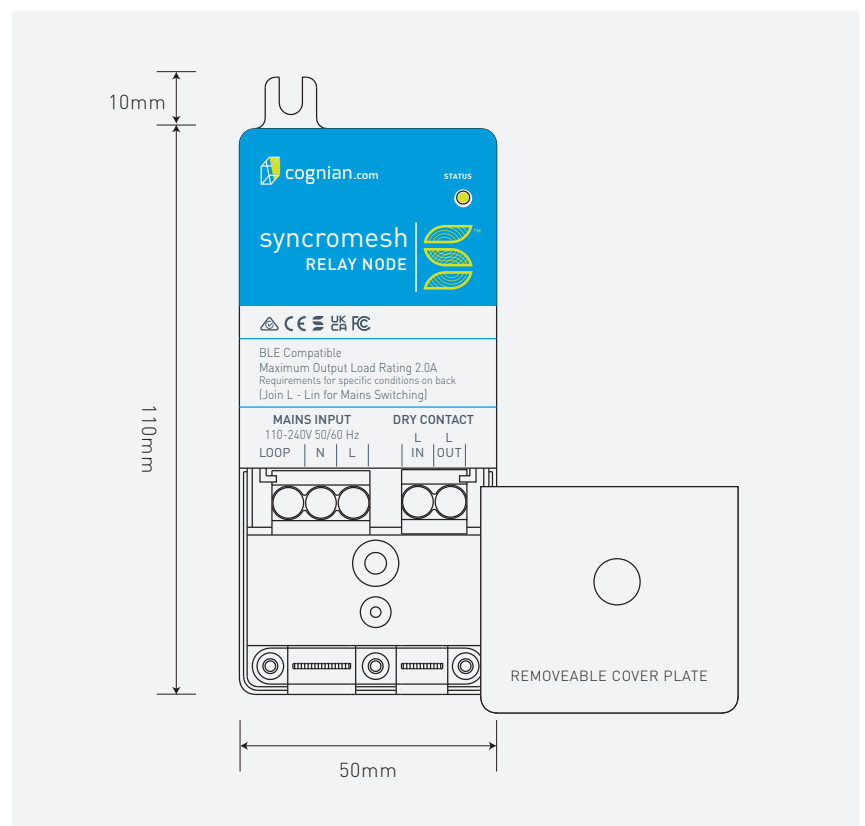
# Syncromesh Relay Node (SRN)

**Retrofit friendly**
Rezone lighting in existing buildings without running new switch cables and with minimal disruption to the tenant.

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

**Open new possibilities**
Switch powered devices on desks, meeting room tables, or other hard to cable areas.

**Eliminate costs**
Integrate lower cost non-DALI fittings with DALI installations.

**Integrated BLE**
The SRN 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:

● SRN is powered on, but not connected to the wireless Syncromesh network

● SRN is connected to the wireless Syncromesh network

# syncromesh

## SPECIFICATION

## Syncromesh Relay Node (SRN)

Syncromesh products are for commercial/industrial use.

| ELECTRICAL | |
|---|---|
| Supply Voltage | 110-240v 50/60Hz |
| Mains Terminals | 2 x 2.5mm$^2$ maximum 3 x 1.5mm$^2$ maximum<br>✓ *To make connection easy, use 1.5mm² cable* |
| Standby Power | ~0.3W (~1.0W when contact closed) |
| Maximum Output Load Rating | Resistive 2.0A |
| | Fluorescent 0.5A |
| | Inductive 0.5A |
| | Motor (Exhaust Fan) 0.5A |
| Max Inrush Current | 20A <20mS |
| Relay Terminals | 2 x 2.5mm$^2$ maximum 3 x 1.5mm$^2$ maximum<br>✓ *To make connection easy, use 1.5mm² cable* |
| **INTERFACES** | |
| Syncromesh Wireless | 2.4 GHz ISM Band Multi-hop |
| Bluetooth Low Energy | Version 5.0 through 4.0 |
| **PHYSICAL** | |
| W x H x D | 50 x 110 x 32 mm |
| Casing | Polycarbonate |
| Aerial | Internal |
| Product Model | SN-REL-1 SKU-991500199 |
| **ENVIRONMENT** | |
| Operating Temperature | 0 - 60°C |
| Operation Humidity Range | 95% RH non condensing |
| IP Rating | IP20 Indoor use only |
| Mounting | Surface mount 3.5mm holes |
| **COMPLIANCE** | |

⚠ CE ⧢ UK CA FC

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