

EN1-SCMD2

2 Universe Addressable DALI Controller - Controls Enclosure

Key Features

- DALI controller – can individually dim, switch and monitor up to 128 DALI addressable ballasts
- 64 groups per DALI universe
- Includes ability to control and test DALI emergency fittings
- Supports iLight DALI sensors and control plates
- 2 Internal DALI universe power supplies
- Each universe has a dedicated test/override button allowing the installer to test or override the installation prior to commissioning
- DALI universe LED status indicators
- Configuration stored in Non Volatile EEPROM
- Firmware storage in reflashable FLASH memory over iCAN network
- Configurable start up mode
- All metal construction
- Lockable hinged door
- Front panel and door ventilation
- CE & UKCA compliant to all relevant standards
- Designed and manufactured to ISO9001 standard



Overview

The EN1-SCMD2 is a 2 universe DALI ballast controller comprising an EN1 enclosure prepopulated with an SCMD2, protective device and internal supply wiring. The EN1-SCMD2 enables control of up to 128 individual addressable DALI devices including luminaires and DALI relays.

iLight DALI multisensors and control plates can be added to the DALI universes creating a complete DALI solution. Each DALI universe supports up to 64 groups and can monitor the performance of DALI addressable devices and report status back through iCANnet. Emergency light tests and reporting can also be instigated through this versatile lighting controller.

The compact design of EN1-SCMD2 delivers system flexibility as well as reducing installation costs and space used. Being part of the iLight system, it can be seamlessly integrated into flexible lighting schemes with any type of lighting load for commercial, architectural and residential applications. Integration with Building Management Systems allows for centralised control and management of the lighting system.

The knockouts to the top of the enclosure have been designed to line up with any of the original iLight source controllers making replacement quick and easy in a retrofit environment.

A dedicated knockout is provided for iCANnet connection to the EN1-SCMD2 and several accessories are available to aid the installer in connection of the iCANnet network.

Mechanical Data

Weight: 4 kg

Mains Cable Access:

6 x 25.5mm/M25 knockout & 1 x 38.3mm/PGx knockout

Control Cable Access:

1 x 25.5mm/M25 knockout

Climate Range:

Temperature: +2°C to +50°C

Humidity: +5 to 95% non condensing

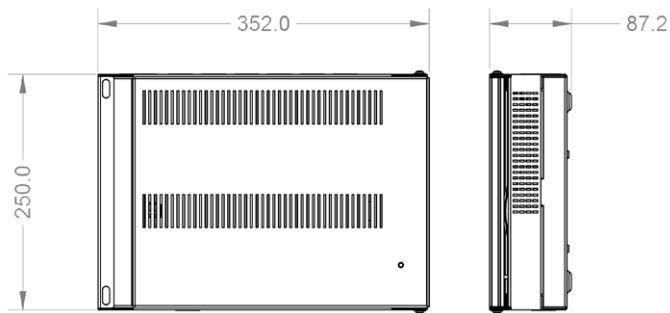
Accessories

The optional landing card provides connection of the iCANnet™ Network to the internal panel network and a point of disconnection. M4 Threaded posts are provided as standard to support the installation of this optional card.

ENACC-LND-INT - iLight DIN Rail Enclosure - iCANnet Landing Card

ENACC-PRG-INT - iLight DIN Rail Enclosure - iCANnet Programming Port

Dimensions



Electrical Data

Supply: 230 volts +/- 10% 50/60 Hz

Protection: 6A MCB

Terminal Sizes: Neutral: 2 x 25mm² & 13 x 16mm²
Earth: 2 x 25mm² & 13 x 16mm²
iCANnet™ input/output screw terminals: 5 x 1mm²
DALI output screw terminals: 4 x 2.5mm²

DALI signal: Nominal 16V, max current 250mA supplies to each universe. Guaranteed minimum current 245mA
Automatic shut-down and restart after short-circuit (maximum 1 per bus) according to IEC 62386-101.

Installation: Installation must be carried out by a suitably qualified electrician.

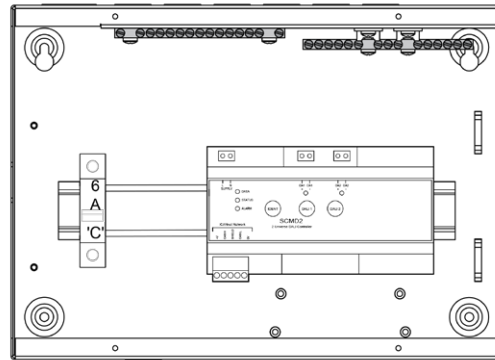
Control Data

Control: Via iLight network connection

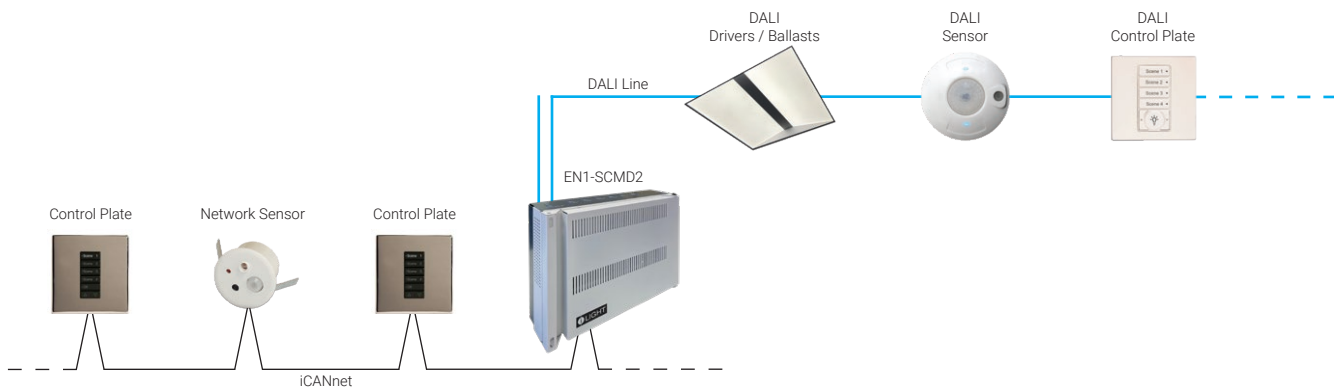
Recommended Network Cable: iCANnet™ Network Cable

Programming: Via Device Editor software

Internal View



Typical Schematic



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EN1-SCMD2 Rev2 1121

UK
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FM 727924

