

# EN1-SCMD4

## 4 Universe Addressable DALI-2 Controller - Controls Enclosure

### Key Features

- DALI-2 controller – can individually dim, switch and monitor up to 256 DALI addressable ballasts
- 64 groups per DALI universe
- Includes ability to control and test DALI emergency fittings
- Supports iLight DALI sensors and field devices
- 2 configurable volt free inputs
- DMX control
- RS485 control
- Connects to the iLight network via screw terminals
- 4 Internal 250mA DALI line 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-SCMD4 is a 4 universe DALI-2 controller enabling dimming and switching of up to 256 individual addressable DALI devices including luminaires and iLight 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.

EN1-SCMD4 features direct DMX and RS485 control allowing the unit to be integrated with other systems. The switch inputs provide connection to fire or security systems or the use of remote switches and sensors. Additional switches and sensors can be connected onto the iCANnet network using iLight's wide range of interfaces.

The compact design of EN1-SCMD4 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-SCMD4 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

Integral iLight Network Power Supply: 15V 500mA

Terminal Sizes: Neutral: 2 x 25mm<sup>2</sup> & 13 x 16mm<sup>2</sup>  
Earth: 2 x 25mm<sup>2</sup> & 13 x 16mm<sup>2</sup>  
iCANnet™ input/output screw terminals: 5 x 1mm<sup>2</sup>  
DALI output screw terminals: 8 x 2.5mm<sup>2</sup>  
RS485 / DMX input screw terminals: 3 x 2.5mm<sup>2</sup>  
Switch input screw terminals: 3 x 2.5mm<sup>2</sup>

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

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."

DMX signal: Addressable in Device Editor, DMX512-A

Switch inputs: 2, configurable as break or make

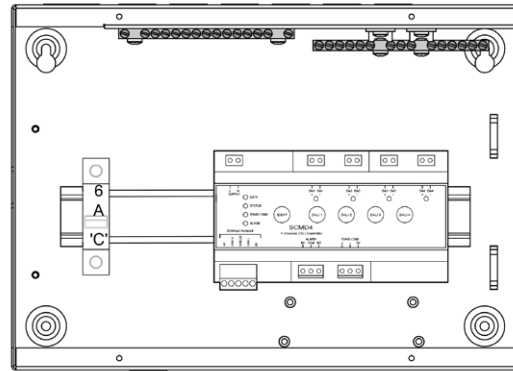
## Control Data

Control: Via iLight network connection

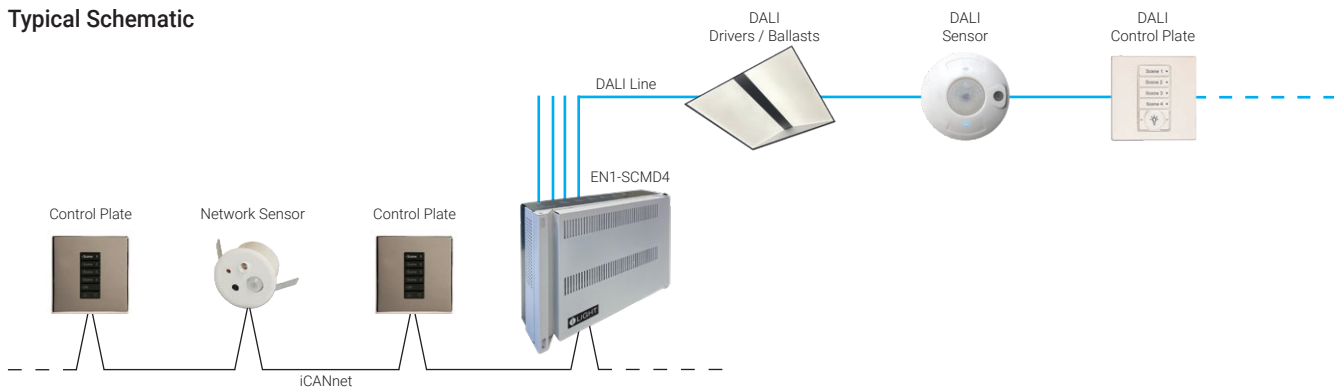
Recommended Network Cable: iCANnet™ Network Cable

Programming: Via Device Editor software

## Internal View



## Typical Schematic



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