

# SCMD6400

## 16 Group Addressable DALI Controller - DIN Rail mount

### Key Features

- DALI controller – can dim, switch and monitor up to 64 DALI ballasts within 16 groups
- Full flexibility for software reconfiguration including multiple controllers to match changes in physical office layout
- Includes ability to control and test emergency fittings equipped with suitable DALI controllers
- DINrail mount with lugs for wall mounting if required
- 3 RJ12 connectors for sensors each configurable for two motion sensor inputs or one combined motion and photoelectric sensor input
- Screw terminal connections for up to four inputs (allowing 2 retractive switch inputs)
- Single switched mains output
- Connects to the iCANnet™ network allowing control of lighting from any control panel, switch or sensor on the network
- Configuration stored in Non Volatile EEPROM
- Firmware storage in reflashable FLASH memory over iCAN network
- Configurable start up mode
- LEDs display unit status
- CE compliant to all relevant standards
- Designed and manufactured to ISO9001:2008 standards



### Overview

This fully addressable DALI controller enables control of up to 64 DALI addresses using up to 16 groups. The system can monitor tube life which enables predictive maintenance to be carried out, and also monitors lamp function indicating failures, allowing tubes to be changed with minimum disruption.

Lamps can be switched off at the ballast by the DALI controller, enabling power wiring schemes to be independent of the controller to be used. The SCMD6400 unit contains a single 16 amp switched supply which can be used to provide power the lamps being controlled, enabling the ballasts to be switched off, achieving additional energy saving.

With sensor and switch inputs directly into the unit, it can be used as an independent controller. Additional switches and sensors can be connected into iLight's iCANnet™ network using iLight's universal interfaces, creating desired lighting control schemes. With iCANnet™ connectivity, it has the capability of being linked with a virtually limitless number of other iLight products to build up to any size of system.



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## Mechanical

Weight: 1 kg

Operating temperature: +2°C to +40°C

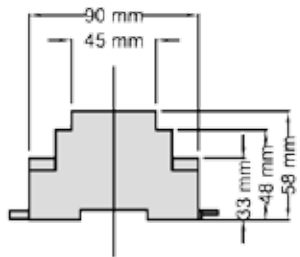
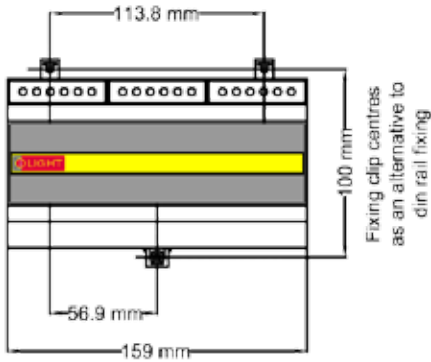
Note: All enclosures must be adequately ventilated

Max storage temperature: +60°C

Humidity: +5 to 95% non-condensing

Environmental protection: IP20

## Dimensions



## Electrical

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

Terminals max. wire size: 2.5mm<sup>2</sup>

Sensor inputs: 3 x RJ12

Switch inputs: 4, configurable as break or make, max wire size 2.5mm<sup>2</sup>

iCANnet™ network inputs/output: 2 x RJ45

DALI output screw terminals: Max wire size 2.5mm<sup>2</sup>

DALI signal: Nominal 16V, max current 100mA

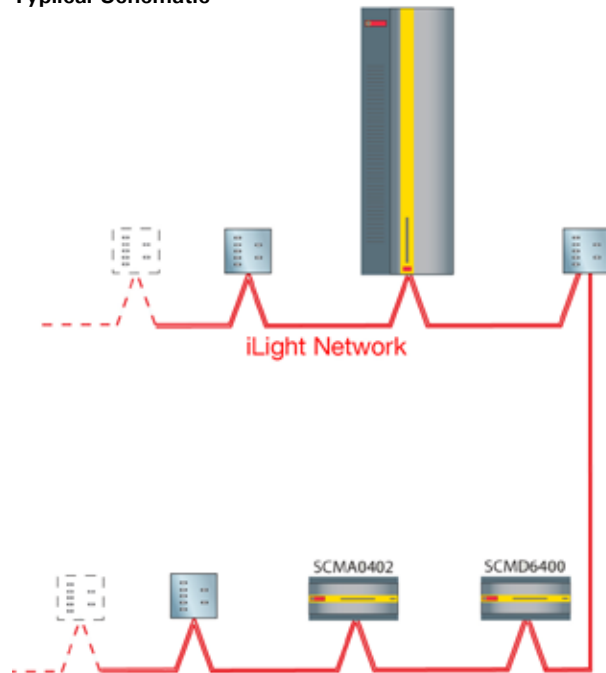
Switched Outputs: 1 x 16A

Maximum load: 16 Amp single phase @ 40°C

Terminals max wire size: 1 x 2.5mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup> per circuit

Protection: Provided by installer - Use supply MCB, 16A or less

## Typical Schematic



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