

EN3-SCMR1210

12 Channel x 10 Amp Switching Controller

Key Features

- 12 x 10 Amp channels
- Switches resistive, inductive and capacitive lighting loads
- Manual override of any channel
- Integral processor
- DALI in (12 address DALI end device)
- RS485 / DMX512 in
- 2 x Auxiliary Inputs
- 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

This 12 channel high powered intelligent switching unit provides outstanding features and performance at a truly competitive price. It is fully rated for 10 Amps per channel of continuous inductive lighting load. This unit is designed for switching large lighting loads of most types. With a 128 scene integral memory this device offers multiple control options to meet the most demanding specifications.

With iLight's iCAN network 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. This product is designed for projects where there are multiple channels of Architectural lighting. It is the perfect choice for shopping malls, atria exterior lighting and industrial areas.

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 EN3-SCMR1210 and several accessories are available to aid the installer in connection of the iCANnet network.

Mechanical Data

Weight: 10.8 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

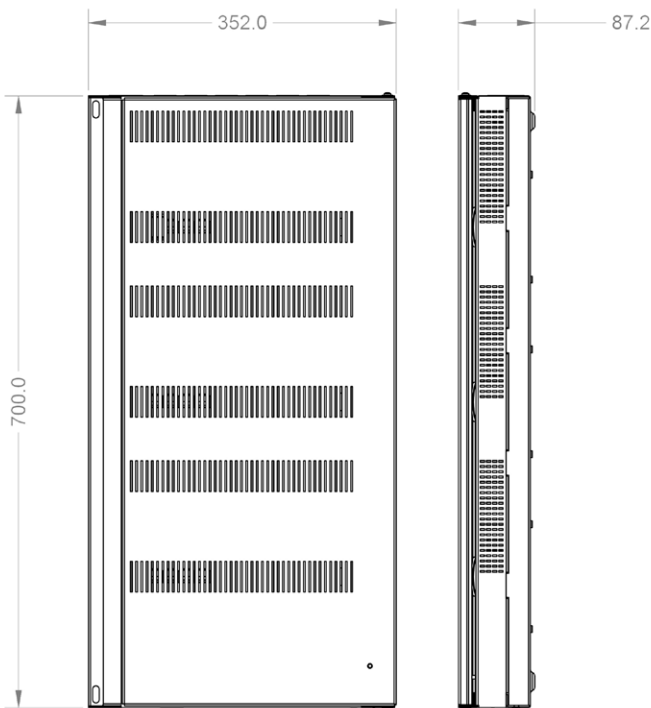
Accessories

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.

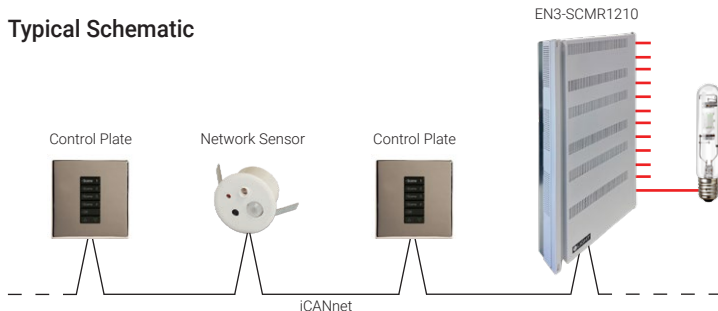
ENACC-LND-INT - iLight DIN Rail Enclosure - iCANnet Landing Card

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

Dimensions



Typical Schematic



Electrical Data

Supply: 120 - 277V AC +/-10%, 50/60 Hz

Maximum Load: 100 Amp Single Phase @ 50°C

Maximum Channel Current: 10 Amp

Protection: 10 Amp MCBs Type C, 6KA rated

Terminal Sizes: Incoming supply, max' cable size: 10mm²

Neutral: 2 x 25mm² & 13 x 16mm²

Earth: 2 x 25mm² & 13 x 16mm²

Loads, max' cable size: 1 x 4mm² or 2 x 2.5mm² per circuit

iCANnet™ network cable size: 5 x 1mm²

Audio Visual Port: RS485 2 x 1mm²

Panic/fire alarm input: 2 x 1mm²

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

Load Data

This unit is designed to work with most lighting load types. Please consult with the iLight help desk for guidance on true load calculations. Care should be taken when specifying discharge lighting sources with power factor capacitors.

Switched Outputs:

12 x 230V 10A (Inductive and Resistive)

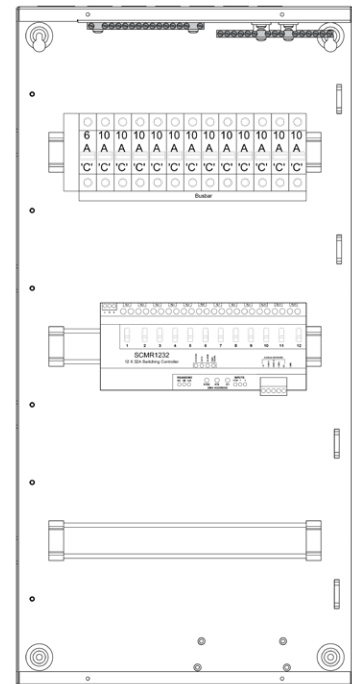
Control Data

Control: Via iLight network connection or DALI

Recommended Network Cable: iCANnet™ Network Cable

Programming: Via Device Editor software

Internal View



Contact Us

+44 (0)1923 495495

enquiries@iLight.co.uk

www.iLight.co.uk

iLight

A brand of Signify
Usk House, Llantarnam Park
Cwmbran, NP44 3HD, UK

Changes to the products, to the information contained in this document, and to prices are reserved; so are errors and omissions.

© 2022 Signify Holding
All Rights Reserved

iLight is a registered trademark.
All other trademarks are property of their respective owners.

EN3-SCMR1210 Rev3 1121



FM 727924