

# SCMH0410-G2

8 channel controller - 4 volt free 10A switched outputs & 4 channels of 0/1-10v or broadcast DALI

## Key Features

- 4 volt free - 10A switched outputs
- 4 channels of dimming for 0/1-10v or broadcast DALI
- 40A maximum load
- DIN rail mount with lugs for wall mounting if required
- Phase independent volt free switching
- Quiet operation
- 8 freely programmable inputs
- Intelligent device power management and temperature monitoring
- DALI Broadcast line monitoring providing lamp, ballast or communication failure notifications
- Connects directly to the iLight network
- Configuration stored in Non Volatile EEPROM
- Firmware storage in reflashable FLASH memory over iCANnet
- Configurable start up mode
- Circuit protection installed separately as required
- CE & UKCA compliant to all relevant standards
- Designed and manufactured to ISO9001 standard



## Overview

The SCMH0410-G2 is an indispensable addition to our family of DIN rail source controllers. Bringing together the best of our compact switching and DALI, 0/1-10V control products, the result is a compact yet powerful controller that supports innumerable applications, both in networked systems and as a standalone room controller.

Each of the four volt free contacts can be switched independently or in tandem with the signal lines, switching up to 10A of load, they can just as easily be employed to control ancillary items such as local HVAC, air handling units or other non-lighting devices. All switched outputs are phase independent and support AC, DC or volt free contact switching applications.

With an integral power supply, SCMH0410-G2 has sufficient capacity to support 50 DALI ballasts or 30 0/1-10V ballasts per signal output.

Eight inputs provide the opportunity to connect a wide range of peripheral volt free contact devices, such as simple momentary action switches, door/window contacts, alarm inputs or presence/absence detectors.

With iLight network connectivity, the SCMH0410-G2 can be linked with a virtually limitless number of other iLight products to build a system of any size.

## Mechanical Data

Weight: 0.35 kg

Operating temperature: +2°C to +50°C

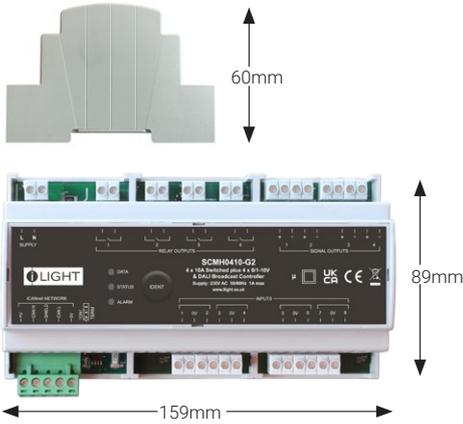
Note: All enclosures must be adequately ventilated

Max storage temperature: +60°C

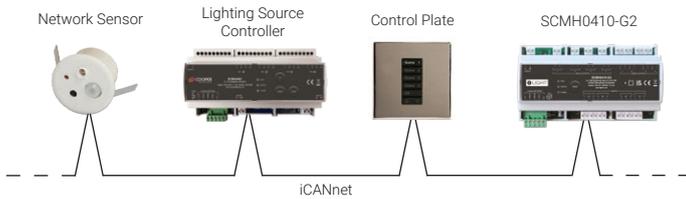
Humidity: +5 to 95% non-condensing

Environmental protection: IP20

## Dimensions



## Typical Schematic



## Electrical Data

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

Maximum load: 40 Amp @ 50°C

Maximum switching channel current: 10 Amp

Load Protection: Provided by installer

Control Supply: 10mA from iCANnet

Terminal Sizes (Capacity per terminal):

Supply/relay/signal screw terminals: 2x1mm<sup>2</sup> or 1x 2.5mm<sup>2</sup> or 1x 4mm<sup>2</sup>

Input screw terminals: 0.2mm<sup>2</sup> to 1mm<sup>2</sup>

iCANnet™ input/output screw terminals: 5 x 1mm<sup>2</sup>

Input Cable Length: 30m MAX

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

## Load Data

Load types: 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.

4 x 10A relays, 120 - 250V AC +/-10%, 50/60 Hz, Volt free DC switching - Max 24V DC - 10A

DALI (Broadcast)

Source, 50 mA per channel 15VDC

40 Ballasts/50mA per channel MAX

0/1-10V

30 Ballasts source/sink, 30 mA per channel MAX

## Control Data

Control: Via iLight network connection

Recommended Network Cable: iCANnet™ Network Cable

Programming: Via Device Editor software

## Contact Us

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