

SCMH1200

12 Channel DINrail Mount Digital Dimming Controller

Key Features

- 12 channel device
- Broadcast DALI, DSI or 1-10V control
- 128 scene memory
- Connects to the iLight network via screw terminals
- Fail to full safety feature
- iLight iCANnet™ network inputs
- DALI in (12 address DALI end device)
- Future proof with FLASH memory
- CE & UKCA compliant to all relevant standards
- Designed and manufactured to ISO9001 standard



Overview

This SCMH1200 is a DINrail mount 12 channel digital dimming controller. Each channel may be configured to provide Broadcast DALI, DSI or 1-10V control. With iLight 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.

Mechanical Data

Weight: 0.35kg

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

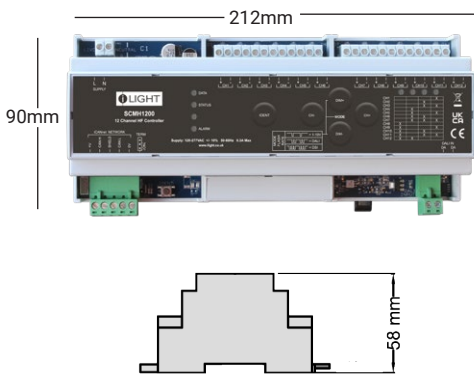
Environmental protection: IP20

Installation: Installation must be carried out by a suitably qualified electrician and installed in a suitable DINrail enclosure.

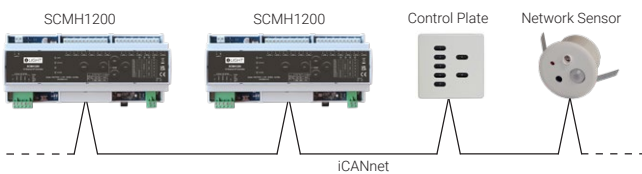
Software

For programming SCH1200, Device Editor V2.11.1 or later is required (Packaged with iCANsoft V3.1.7 or later)

Dimensions



Typical Schematic



Electrical Data

Mains supply: 100 - 277V AC, 50/60 Hz

Integral iLight Network Power Supply: Max 500mA at 15V

Terminal Sizes (Capacity per terminal):

Supply/Load screw terminals: 2x1mm² or 1x 2.5mm²

Input screw terminals: 0.2mm² to 1mm²

iCANnet™ input/output screw terminals: 5 x 1mm²

Terminal Torque Setting: 0.5Nm

Maximum Load: There is no load control. Power switching is achieved by the DSI / DALI ballasts themselves.

Supported Load Types:

DALI (Broadcast), source, 100 mA per channel

DSI, source, 100 mA per channel

0-10V, source, 50 mA per channel

1-10V, sink, 50 mA per channel

Recommended quantities of drivers/ballasts:

Maximum of 50 per channel

Maximum of 500 per SCMH1200 unit

Switched Relay Outputs: None

Use: SCMH0410-G2 for relays and low voltage control,

SCMR1232 and SCMR0432 for feed through (latching) relays,

SCMS0410 for feed through (electronically held) relays.

Memory:

FLASH memory to be able to upgrade firmware

EEPROM for 128 scene memory

Fade Times: 0.1 seconds to 60 minutes

Control Data

Control: Via iLight network connection

Recommended Network Cable: iCANnet™ Network Cable

Programming: Via Device Editor software

DALI Endpoint

When used as a DALI endpoint, SCMH1200 will consume 2mA from the DALI line.

DALI address quantity: 12

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