Installation Guide

SCMH1200
12 Channel DINrail
Mount HF Controller

iLight
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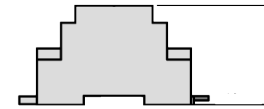e: enquiries@iLight.co.uk
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E&OE. iLight reserve the right to make
changes to the equipment without
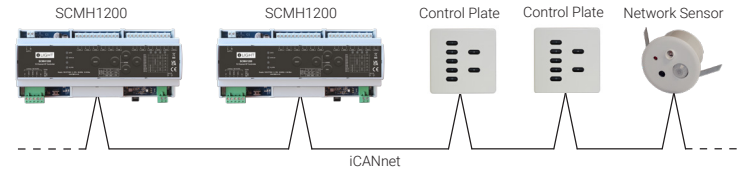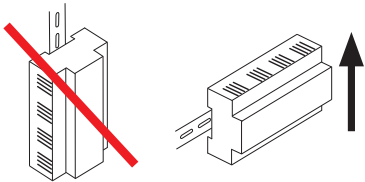prior notice.
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UKCA

CE

RoHS

bsi
ISO 9001
Quality
Management
Systems
CERTIFIED
FM 727924

Dimensions

212mm

90mm

58 mm

Typical Schematic

SCMH1200   SCMH1200   Control Plate   Control Plate   Network Sensor
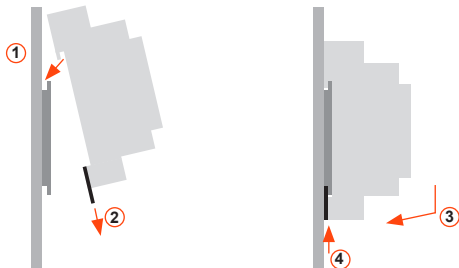
iCANnet

Mounting & Installation

SCMH1200 must be mounted in a suitable enclosure to provide regulatory
protection from electric shock hazard as well as protecting the iCANnet
data network from tampering that could lead to reduced network security.

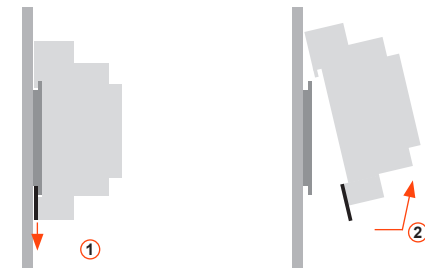Ensure selected enclosure provides adequate cooling ventilation.

Fixing to DIN rail
1. Fix top clips over DIN rail.
2. Pull down bottom clip using screwdriver.
3. Close module towards DIN rail.
4. Push up bottom clip to fix securely to DIN rail.

Removing from DIN rail
1. Pull down bottom clip with screwdriver.
2. Lift module away from DIN rail.

Technical Data

Supply: 100-230V ~50Hz 0.1-0.2A
Control: Via iLight network connection or DALI BUS connection.
iCANnet™ output current: 500mA Max @ nominal 15V
Rating: There is no load control.
Protection: Provided by installer
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 Outputs: None
Terminal Sizes: Incoming supply, max' cable size: 2.5mm2.
Ballast output, max' cable size: 2.5mm2 per terminal
iCAN network cable type: Belden 1502 or equivalent
Ambient temperature: 2°C – 50°C
Relative humidity: 5% - 95% max, non-condensing
IP rating: IP20
Installation: Installation must be carried out by a suitably qualified electrician and installed in a suitable DINrail
enclosure rated for the intended environment.
Dimensions: 212mm (w) x 90mm (h) x 58mm (d)
Weight: 0.35kg

Software
For programming SCMH1200, Device Editor V2.11.1 or later is required (Packaged with iCANsoft V3.1.7 or later)

SCMH1200
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Device LEDs and Buttons

Status LED
Green LED flashes – device OK

Data LED
Red LED flashes when messages sent on network.

Alarm LED
Red LED flashes for network initiated alarm

Device Identification
Press and release switch.
Sending a message to identify the device on the network (red Data LED flashes).

iCAN Network Connections

Function	iCANnet Cable Colours
0V	Black
CAN L	Blue
Shield	Silver
CAN H	White
+VDC	Red

Maximum segment distance: 500m (1640 ft)
Devices per segment: 100 (without bridge or repeater)
Consult iLight for information on alternative cable types.
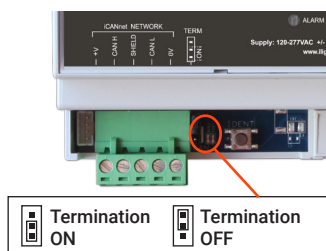
Network Power Requirements
Nominal operating voltage: 15V (12-18V)

IMPORTANT NOTE: Connecting a mains potential cable to the iCAN Network terminals is likley to damage the unit and other devices connected, and invalidate warranty.

Typical Connection Diagram

Incoming Supply
100 - 230V ∼ 0.1A - 0.2A

Output channels.
1-10V / DSI / DALI

Device Identification Switch

Connection to the iLight Network

iLight Network Termination

DALI Input

Network termination

SCMH1200 is supplied with termination disabled as standard. If it is connected as an end device on the iCAN network, the jumper will need to be moved to enable termination.

To enable termination, move the jumper outwards from the inner two pins to the outer two pins.

Termination ON   Termination OFF

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