Installation Guide

iLIGHT

SCMH1200
12 Channel DINrail
Mount HF Controller

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CE

RoHS

ISO 9001:2015 Quality Management
FM 664349

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Typical Schematic

iCANnet
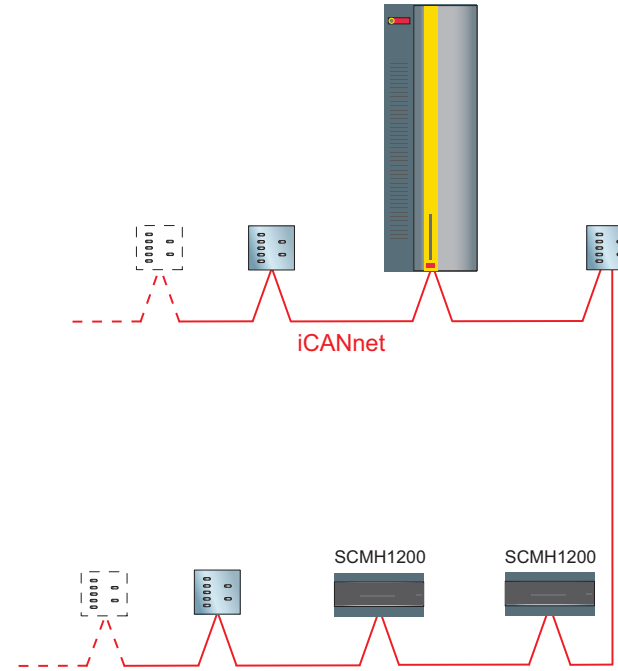
SCMH1200   SCMH1200
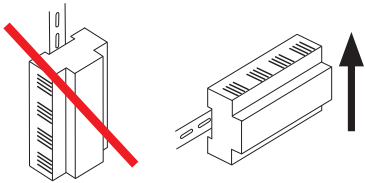
Mounting & Installation

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.

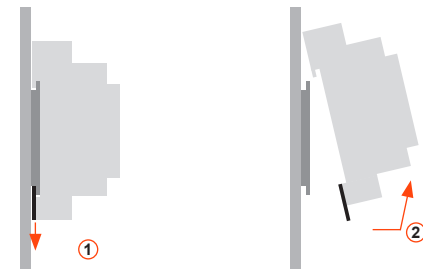Ensure selected enclosure provides adequate cooling ventilation.

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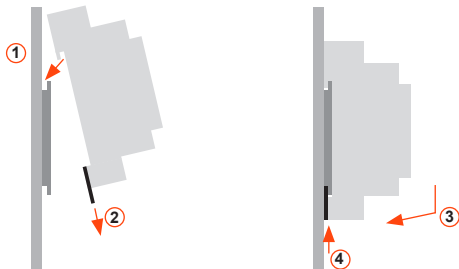
Removing from DIN rail
1. Pull down bottom clip with screwdriver.
2. Lift module away from DIN rail.

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
12 Channel DINrail Mount HF Controller

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