

Installation Guide

SCMS0410

4 Channel x 10 Amp Switching Controller



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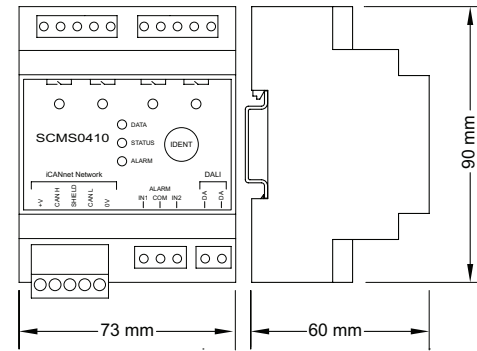
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HTC 48
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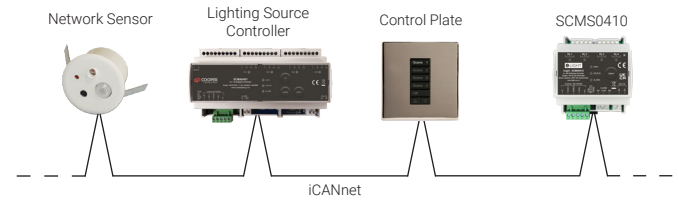
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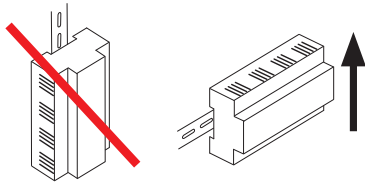
Dimensions



Typical Schematic



Mounting & Installation

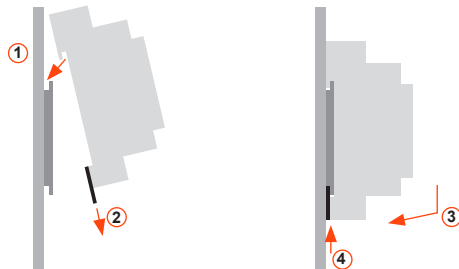


SCMS0410 must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

Ensure selected enclosure provides adequate cooling ventilation.

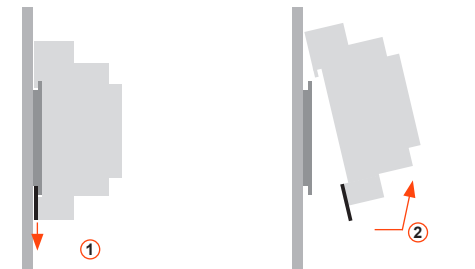
Fixing to DIN rail

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

Maximum Load: 40 Amp @ 50°C
 Maximum Channel Current: 10 Amp
 Load Protection: Provided by installer
 Control Supply: 150mA quiescent current. (Recommended: 200mA 15V DC Supply)
 Terminal Sizes:
 Channel screw terminals: 8 x 2.5mm²
 iCANnet™ input/output screw terminals: 5 x 1mm²
 DALI input screw terminals: 2 x 1.5mm²
 Alarm input screw terminals: 3 x 2.5mm²

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

Control: Via iLight network connection or a compatible DALI controller

Recommended Network Cable: iCANnet™ Network Cable

Programming: Via Device Editor software

Weight: 0.25kg

Operating temperature: +2°C to +50°C

Max storage temperature: +60°C

Humidity: +5 to 95% non-condensing

Environmental protection: IP20

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Device LEDs and Buttons

Status LED

Green LED flashes – device OK
Green LED flashes rapidly – DALI control

Data LED

Red LED flashes when messages sent on network

Alarm LED

Red LED solid on for local initiated alarm
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

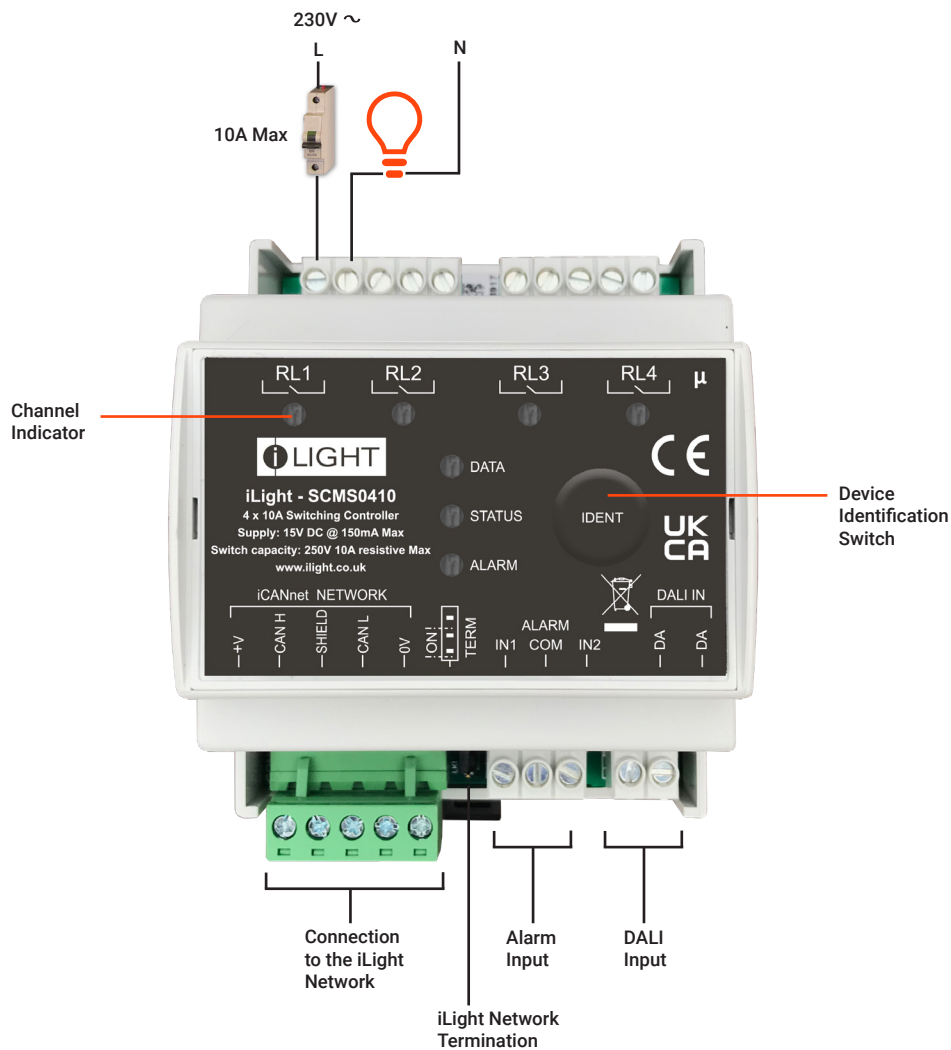
Maximum segment distance: 500m (1640 ft)
Devices per segment: 100 (without bridge or repeater)
Consult iLight for information on alternative cable types.

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

Network Power Requirements

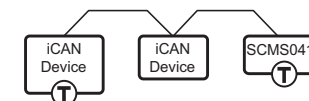
Nominal operating voltage: 15V (12-18V)
Nominal operating current: 150mA

Typical Connection Diagram



Network termination

The iCAN network follows a daisy chain topology that requires termination on the devices located at either end of the network.



The SCMS0410 unit is supplied with termination disabled as standard. If it is connected as an end device in the iCAN network, you need to move the jumper to enable termination.

To enable SCMS0410 termination, move the jumper outwards from the inner two pins to the outer two pins:

