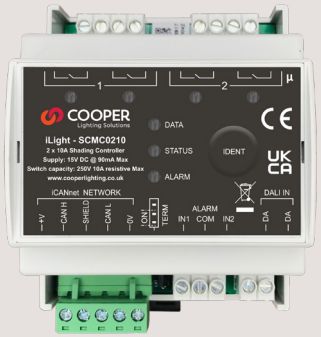
Installation Guide

iLIGHT

SCMC0210

2 Channel 10 Amp Shading Controller



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UK CA CE RoHS

bsi. ISO 9001:2015 Quality Management
FM 664349

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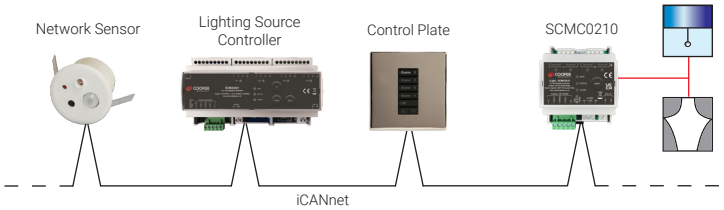
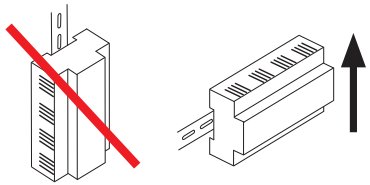
Typical Schematic



Mounting & Installation

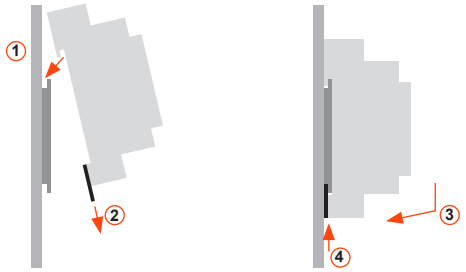


SCMC0210 must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

Ensure selected enclosure provides adequate cooling ventilation.

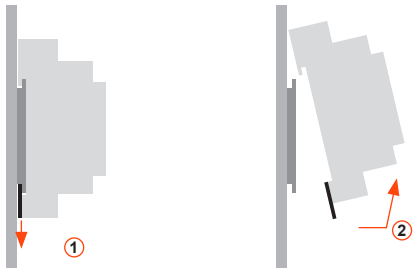
Fixing to DIN rail

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: 20 Amp @ 50°c
Maximum Channel Current: 10 Amp
Load Protection: Provided by installer.
Control Supply: 90mA 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: 2 x 10A relay pairs, 3 wire shade control - 120 – 250V AC +/-10%, 50/60 Hz
3 wire shade control - Volt free (No minimum load)
DC switching - Max 24V DC - 10A
Control: Via iLight network connection or a compatible DALI controller
(0% = RLY1 & 2 = OFF, 1-50% = RLY2 ON, 51-100% = RLY1 ON).
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

SCMC0210

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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

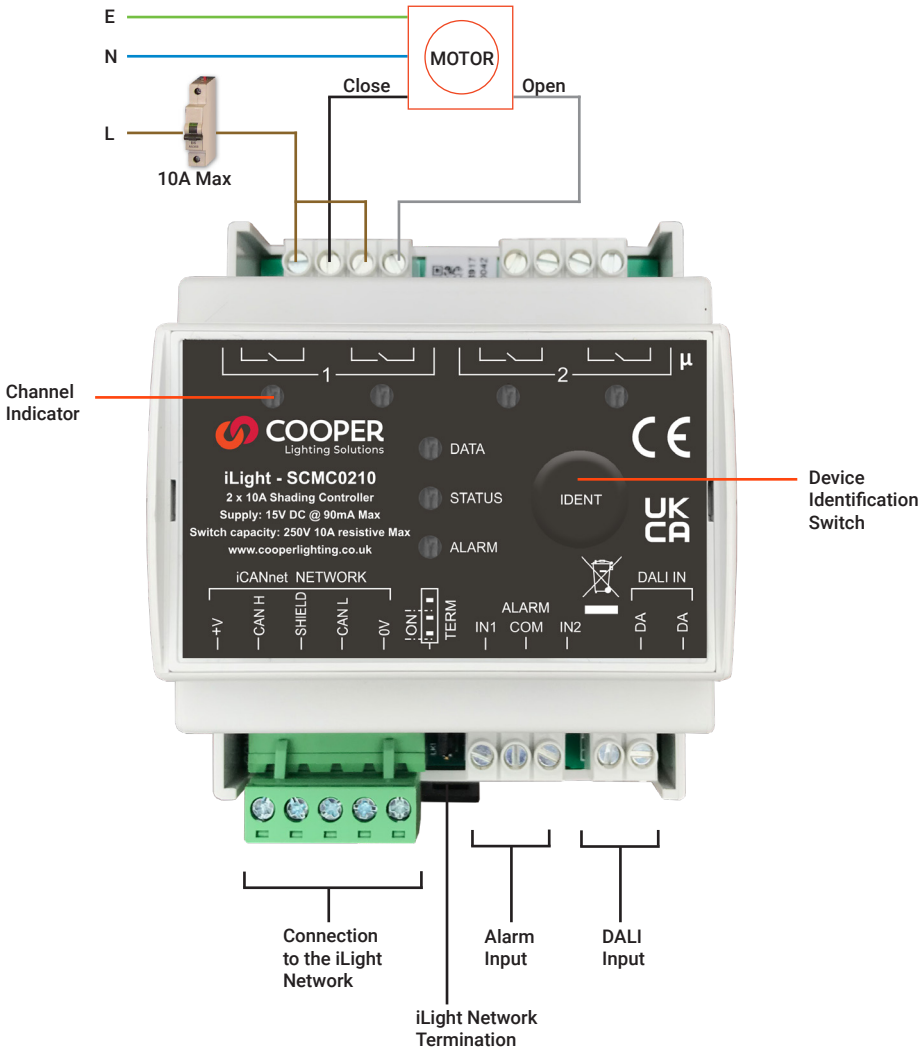
Function	iCANnet Cable Colours
0V	Black
CAN L	Blue
Shield	Silver
CAN H	White
+VDC	Red

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 likley to damage the unit and other devices connected, and invalidate warranty.

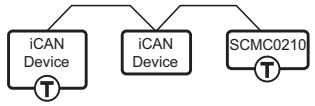
Network Power Requirements
Nominal operating voltage: 15V (12-18V)
Nominal operating current: 90mA

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 SCMC0210 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 SCMC0210 termination, move the jumper outwards from the inner two pins to the outer two pins: