

iLight SCMC0210 DINrail Module Range



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[Home](#) » [iLIGHT](#) » iLight SCMC0210 DINrail Module Range Instructions 

Contents

- [1 iLight SCMC0210 DINrail Module Range](#)
- [2 Typical Schematic](#)
- [3 Mounting & Installation](#)
- [4 Technical Data](#)
- [5 Device LEDs and Buttons](#)
- [6 Typical Connection Diagram](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)



iLight SCMC0210 DINrail Module Range



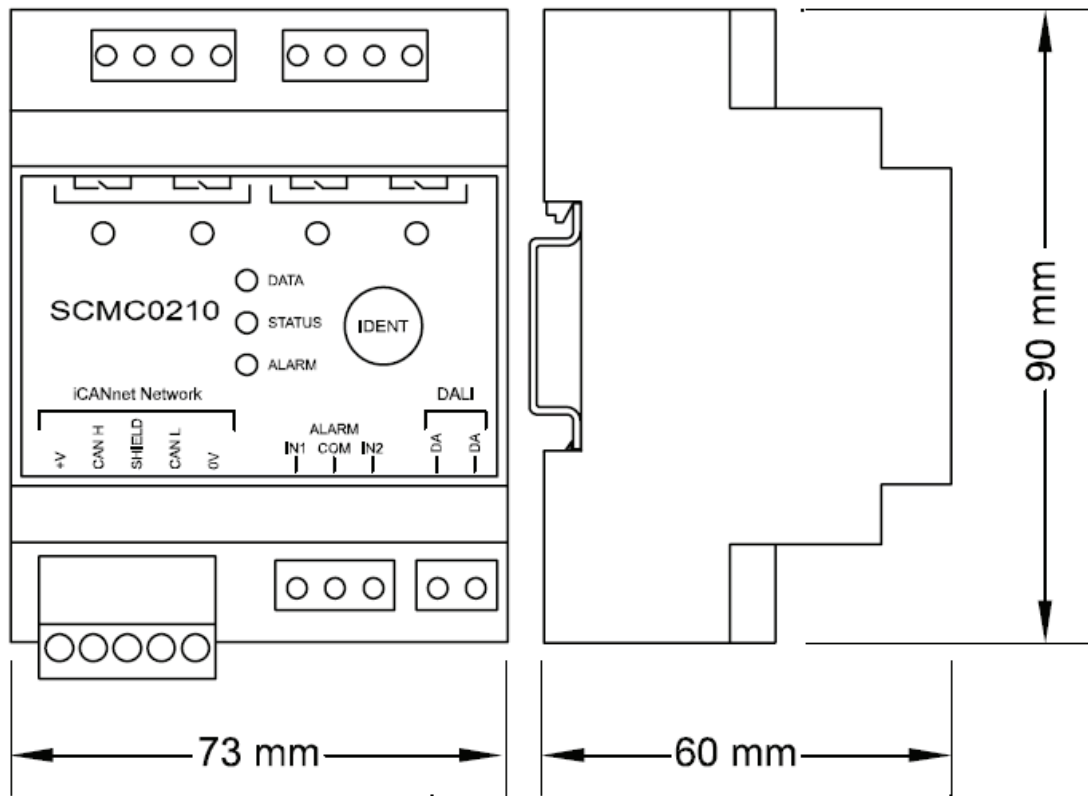
Usk House, Lakeside Llantarnam Park,
Cwmbran,
NP443HD, UK
t: +44 (0)1923 495495
e: enquiries@iLight.co.uk
www.iLight.co.uk

EU Authorised Representative

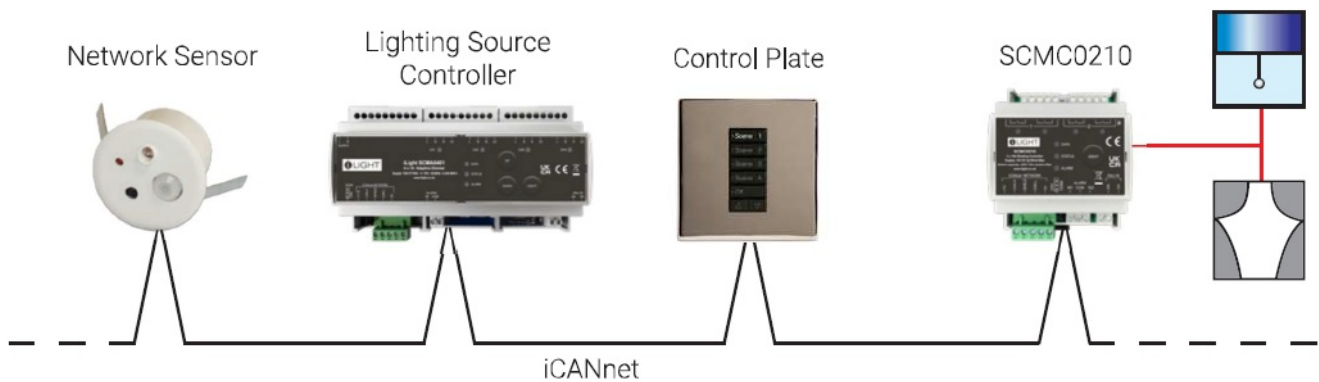
Cooper Lighting Netherlands B.V High Tech Campus
HTC48
Eindhoven
5656 AE

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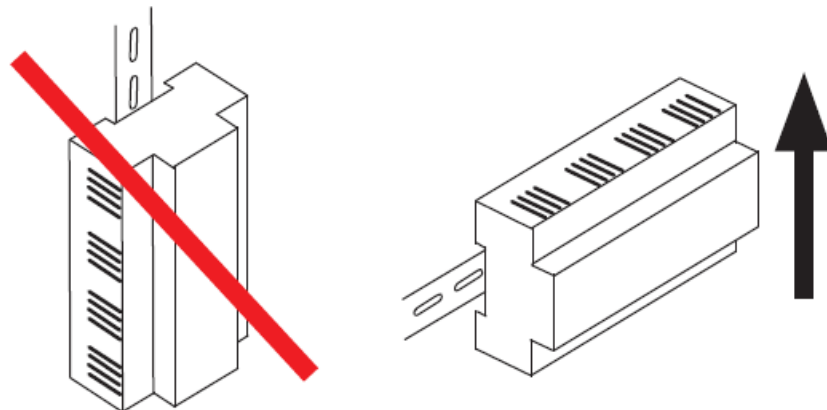
Dimensions



Typical Schematic



Mounting & Installation

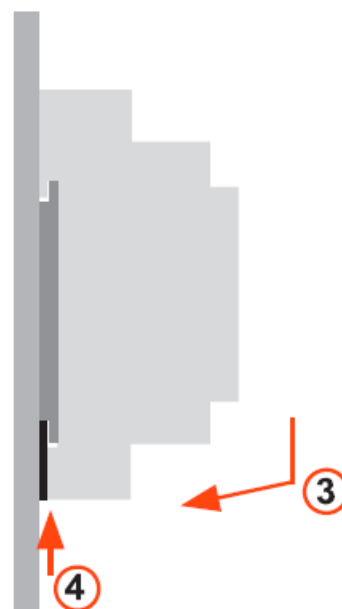
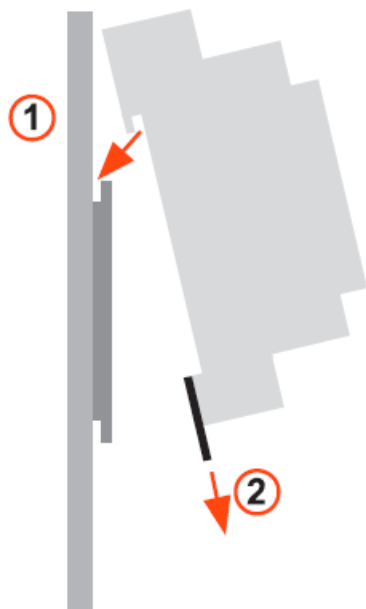


SCMC0210 must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

Ensure selected enclosure provides adequate cooling ventilation.

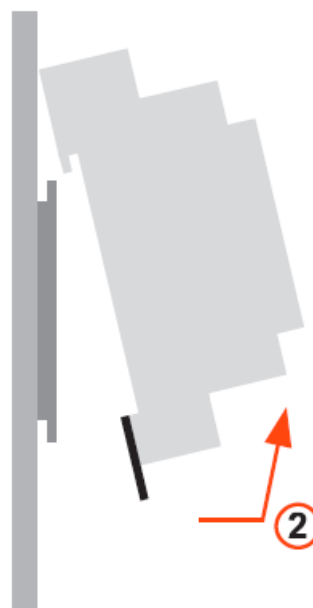
Fixing to DIN rail

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:** 1.0 Amp
- **Load Protection:** Provided by installer.
- **Control Supply:** 90mA quiescent current. (Recommended: 200mA 15V DC Supply)
- **Terminal Sizes:** Channel screw terminals: 8 x 2.5mm'
iCANnet™ input/output screw terminals: 5 x 1 mm'
DALI input screw terminals: 2 x 1.5mm'
Alarm input screw terminals: 3 x 2.5mm'
- **Installation:** Installation must be carried out by a suitably qualified electrician.
- **Load Data:** 2 x 1 DA relay pairs, 3 wire shade control – 120 – 250V AC +/-1 0%, 50/60 Hz 3 wire shade control – Volt free (No minimum load)
DC switching – Max 24V DC – 1 DA
- **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

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
Ov	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.

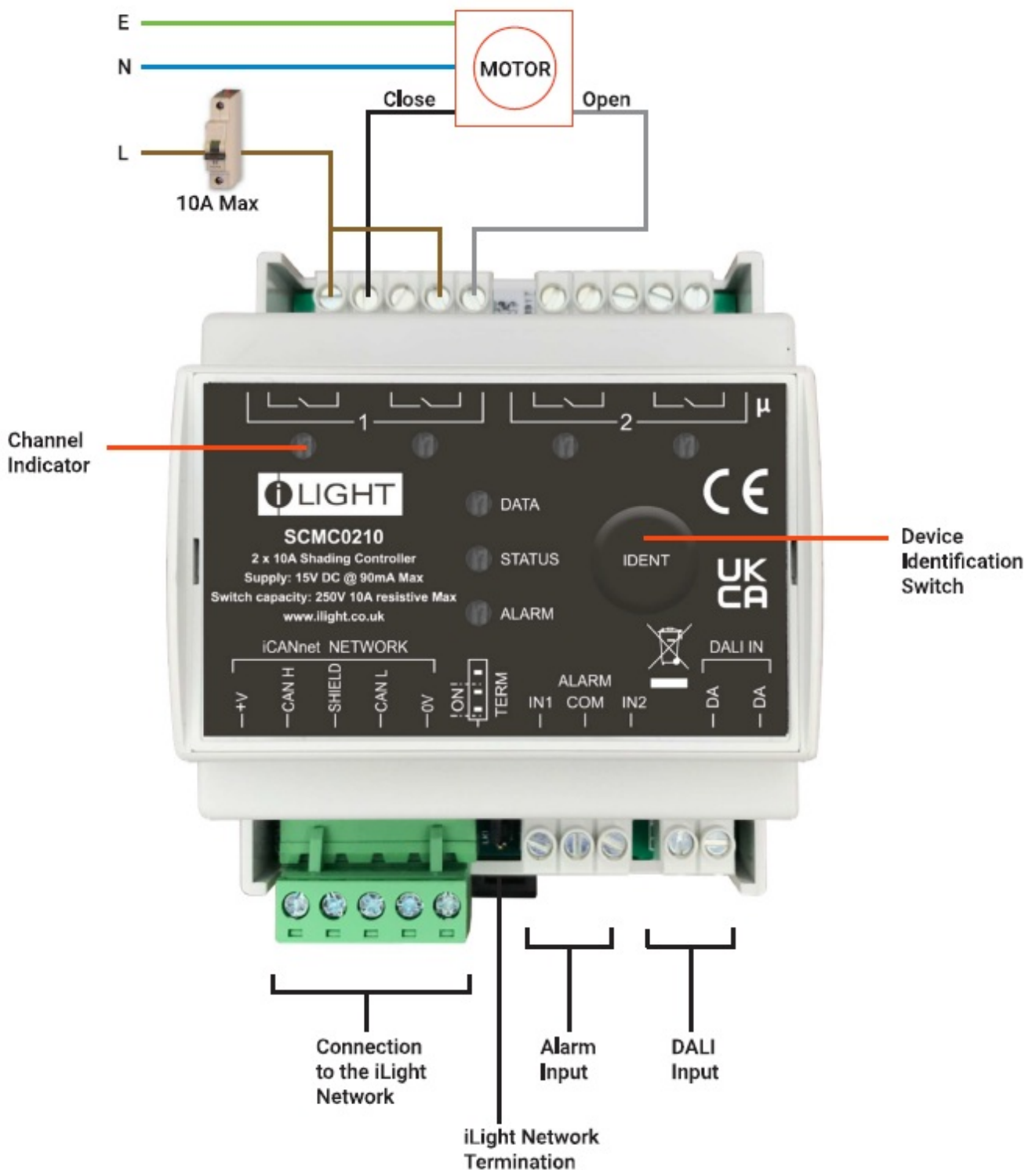
IMPORTANT NOTE: Connecting a mains potential cable to the iCAN Network terminals is likley to damage the unit and other devices connected, and invalidate warranty.

Network Power Requirements

Nominal operating voltage: 15V (12-18V)

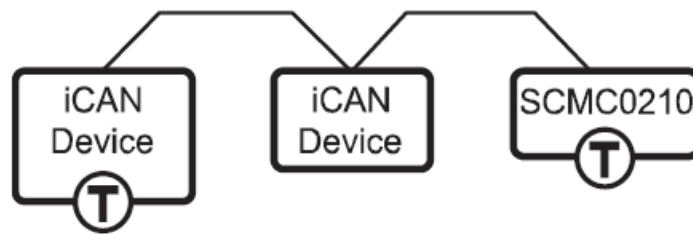
Nominal operating current: 90mA

Typical Connection Diagram



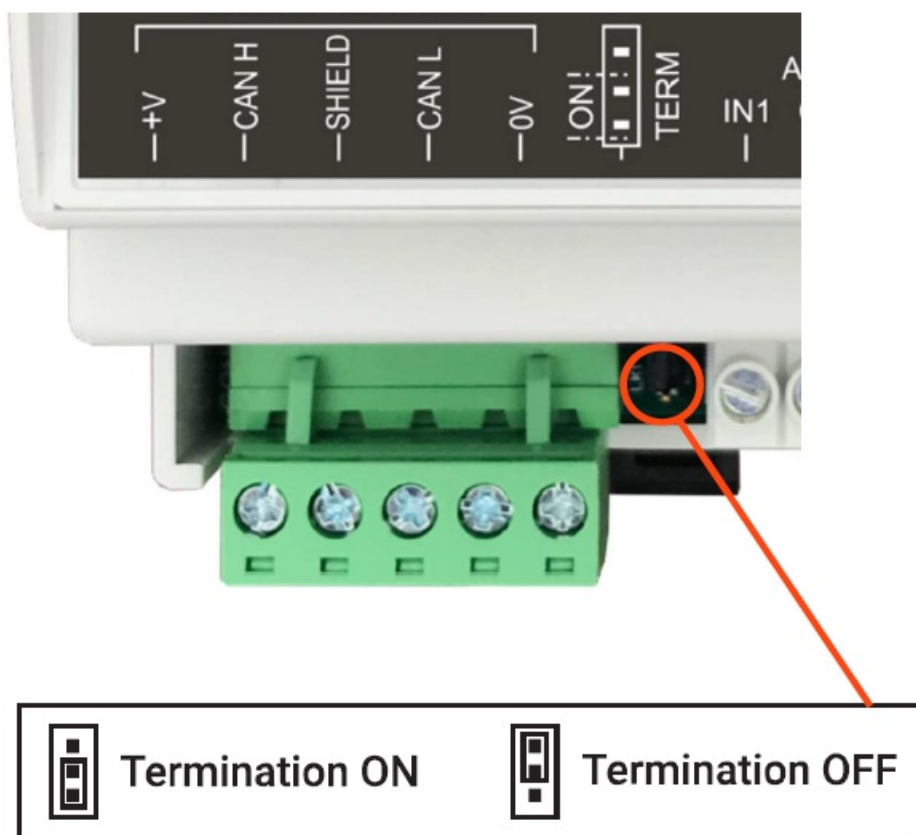
Network termination

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

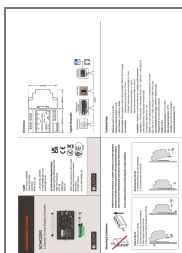


The SCMC0210 unit is supplied with termination disabled as standard. If it is connected as an end device in the iCAN network, you need to move the jumper to enable termination.

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



Documents / Resources



[iLight SCMC0210 DINrail Module Range](#) [pdf] Instructions
SCMC0210 DINrail Module Range, SCMC0210, DINrail Module Range, Module Range, Range

References

- [User Manual](#)

Manuals+. Privacy Policy

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