

Installation Guide

SCMR0432

4 x 32A Relay Controller



iLight

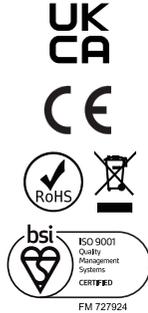
Usk House, Lakeside
Llantarnam Park,
Cwmbran,
NP44 3HD, UK

t: +44 (0)1923 495495
e: enquiries@iLight.co.uk
www.iLight.co.uk

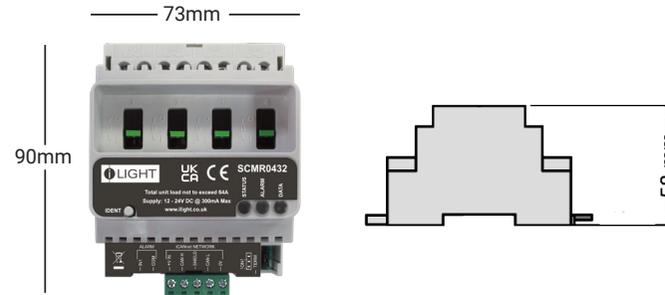
EU Authorised Representative
Cooper Lighting Netherlands B.V.
High Tech Campus
HTC 48
Eindhoven
5656 AE

E&OE. iLight reserve the right to make changes to the equipment without prior notice.
© Signify Holding

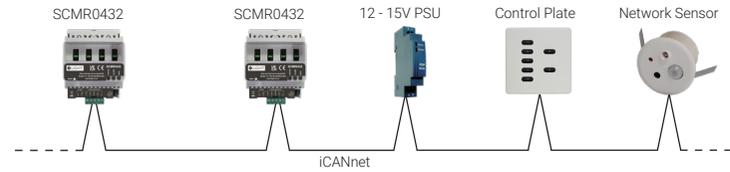
Doc No: 9850-000781-02



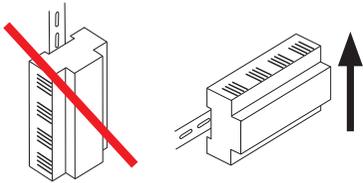
Dimensions



Typical Schematic



Mounting & Installation

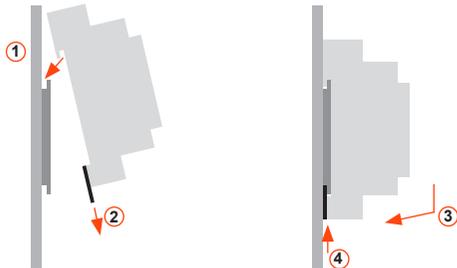


SCMR0432 must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

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

Electrical & Mechanical

Control: Via iLight network connection
 Rating: 32A* per channel @ 40°C
 Protection: Provided by installer
 Output channel current: Maximum 4 x 32A*
 (Total unit load not to exceed 64A)
 Note: Fully loaded channels should be spaced every other channel to prevent heat buildup
 Relay outputs: Volt free capable of switching inductive and resistive loads
 Terminal Sizes: Loads - maximum cable size: 1 x 10mm² per circuit
 Ambient temperature: 2°C – 40°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.
 Dimensions: 73mm (w) x 90mm (h) x 58mm (d)
 Weight: 0.8kg

Software

For programming SCMR0432, Device Editor V2.11.1 is required (Packaged with iCANsoft V3.1.7 or later)

* 32A resistive per channel @ 40°C - 20A capacitive per channel @ 40°C

SCMR0432

4 x 32A Relay 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 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

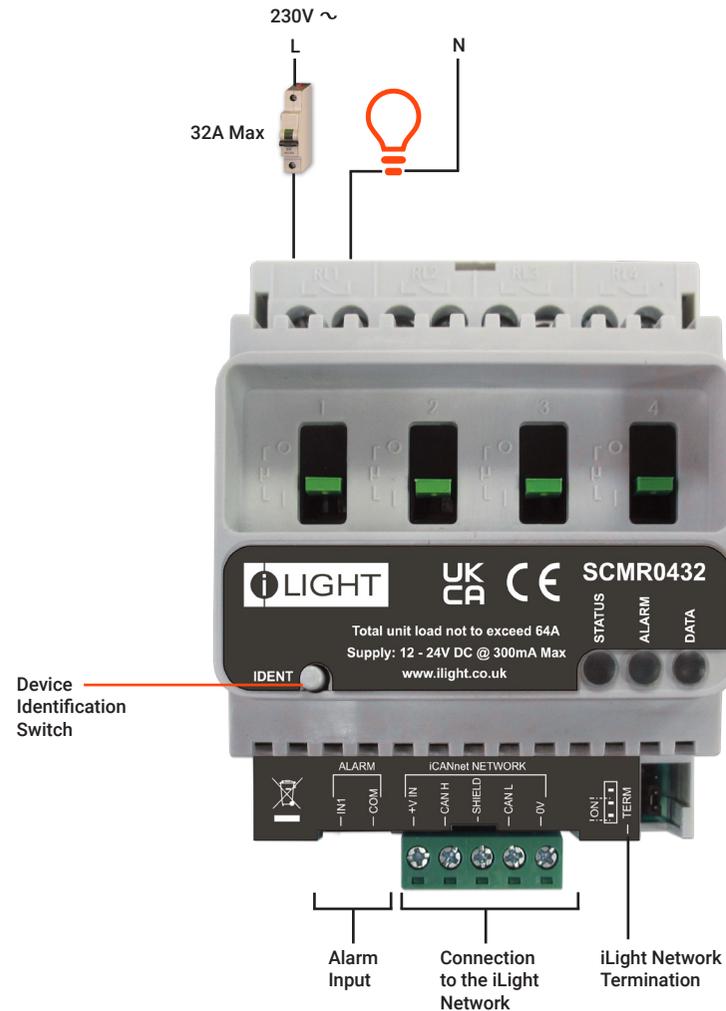
Maximum segment distance: 500m (1640 ft)
Devices per segment: 100 (without bridge or repeater)
Consult iLight for information on alternative cable types.

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: 50mA

Typical Connection Diagram



Network termination

SCMR0432 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.

