Installation Guide

SCMR1232
12 x 32A Relay Controller

iLight

UK CA

CE

RoHS

bsi **ISO 9001** Quality Management Systems **CERTIFIED** FM 727924

iLight

Dimensions

212mm

90mm

58 mm

Typical Schematic

SCMR1232   Control Plate   Control Plate   Network Sensor
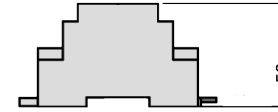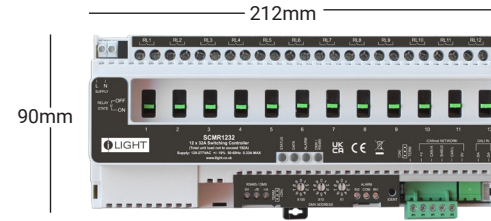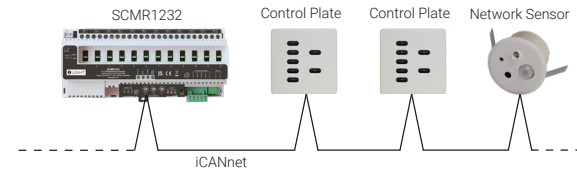
iCANnet
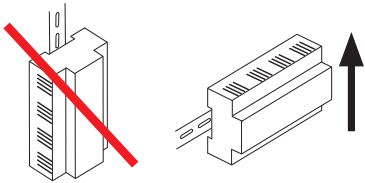
Mounting & Installation

SCMR1232 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.
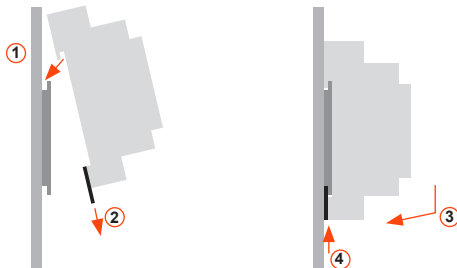
Removing from DIN rail
1. Pull down bottom clip with screwdriver.
2. Lift module away from DIN rail.

Technical Data

Electrical & Mechanical
Control: Via iLight network connection
iCANnet™ output current: 100mA Max @ nominal 15V
Rating: 32A* per channel @ 40ºC
Protection: Provided by installer
Output channel current: Maximum 12 x 32A*
(Total unit load not to exceed 192A)
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 10mm^2 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: 212mm (w) x 90mm (h) x 58mm (d)
Weight: 0.8kg

Software
For programming SCMR1232, Device Editor V2.11.1 is required
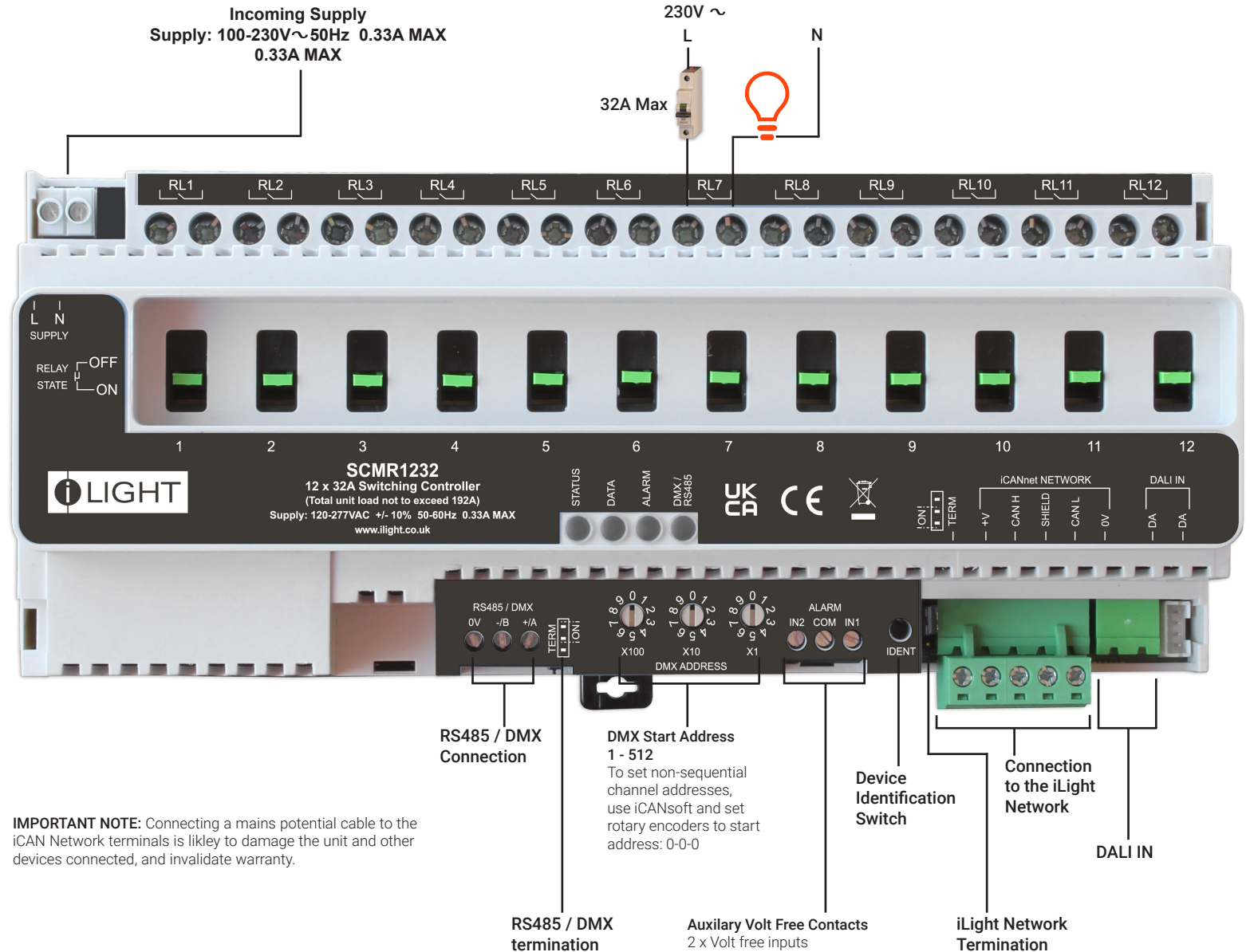(Packaged with iCANsoft V3.1.7 or later)

* 32A resistive per channel @ 40^{0}C   -   20A capacitive per channel @ 40^{0}C

SCMR1232
12 x 32A Relay Controller

Typical Connection Diagram

Incoming Supply
Supply: 100-230V~50Hz 0.33A MAX
0.33A MAX

230V ~
L   N

32A Max

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

RS485 / DMX LED
Green LED flashes when DMX or RS485 messages are sent or received

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.

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RS485 / DMX Connection

RS485 / DMX termination

DMX Start Address 1 - 512
To set non-sequential channel addresses, use iCANsoft and set rotary encoders to start address: 0-0-0

Auxilary Volt Free Contacts
2 x Volt free inputs

Device Identification Switch

Connection to the iLight Network

iLight Network Termination

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