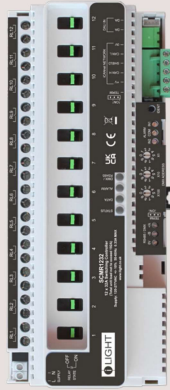


Installation Guide

SCMR1232

12 x 32A Relay Controller



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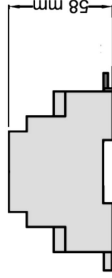
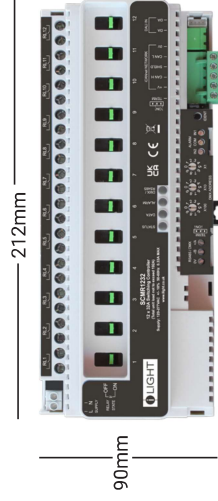
E&OE: iLight reserve the right to make changes to the equipment without prior notice.
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Doc No: 9850-000782-03

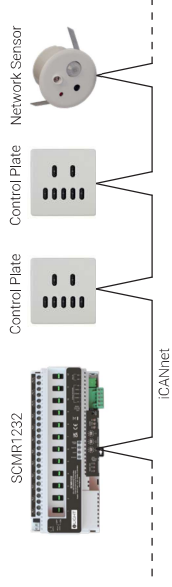


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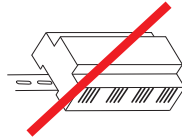
Dimensions



Typical Schematic



Mounting & Installation

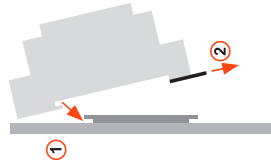


SCMR1232 must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

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 @ 40°C
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 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: 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°C - 20A capacitive per channel @ 40°C

SCMR1232

12 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
- 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 likely to damage the unit and other devices connected, and invalidate warranty.

Typical Connection Diagram

