Installation Guide

EG2-S
Ethernet Gateway

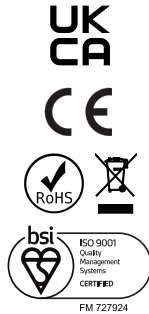UKCA

CE

RoHS

bsi ISO 9001 Quality Management Systems CERTIFIED
FM 727924

Typical Schematic

Remote PC

Laptop / Wireless Devices

Local PC

Lighting Source Controller

Network Sensor

EG2-S Ethernet Gateway

WIFI Router
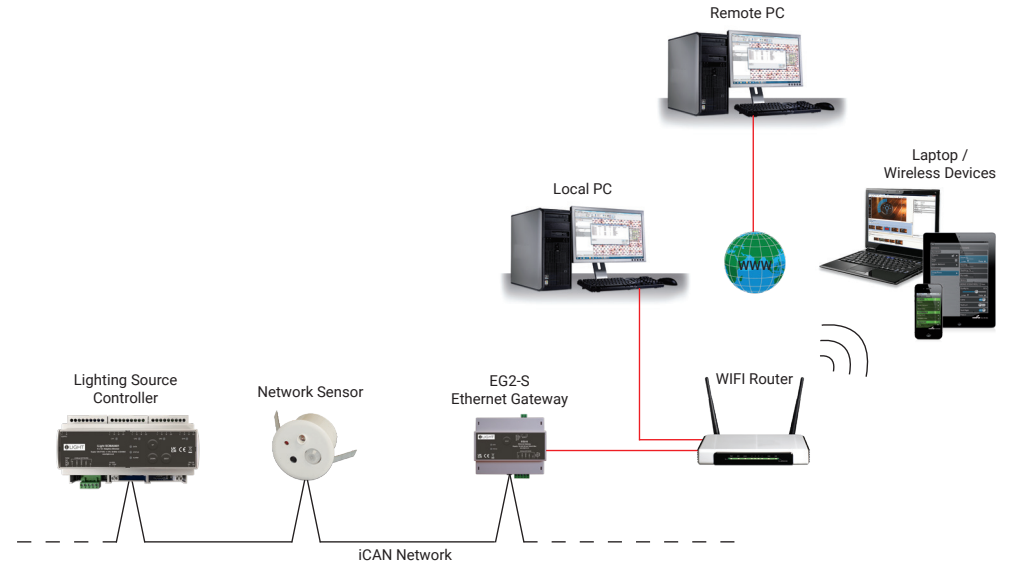
iCAN Network

Mounting & Installation
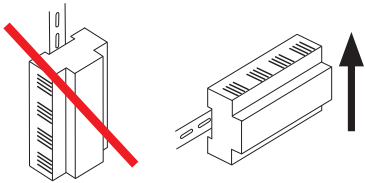
EG2-S must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

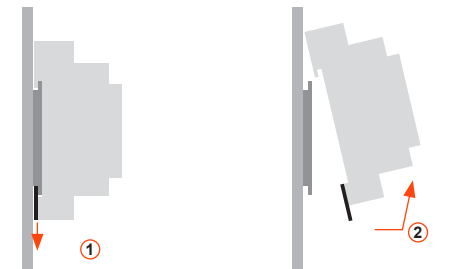**Ensure selected enclosure provides adequate cooling ventilation.**

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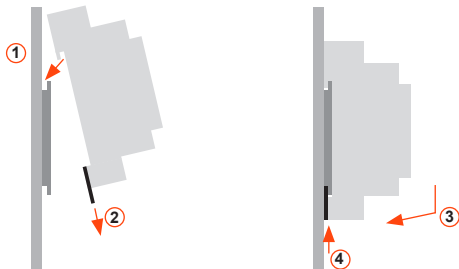
Removing from DIN rail
1. Pull down bottom clip with screwdriver.
2. Lift module away from DIN rail.

Technical Data

Electrical & Mechanical
Control: Via iLight network connection
Supply: +10 - 24V DC @ 750 mA Max (via external power supply)
Terminal Size: iCANnet cable size: 5 x 1mm^2. Power cable size: 2 x 1mm^2
Protection: Provided by installer
Recommended Cable: iCANnet Network Cable
Ambient temperature: 2°C – 50°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: 106mm (w) x 91mm (h) x 62mm (d)
Weight: 0.22kg

Software
For programming EG2-S, Device Editor software is required.
Please consult your iLight representative for latest versions.

EG2-S
Ethernet Gateway

Device LEDs and Buttons

Status LED
Green LED flashes – device OK

Data LED
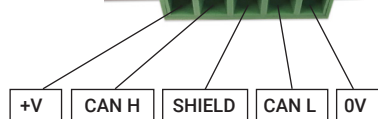Red LED flashes when messages sent on network.

Device Identification
Press and release switch.
Sending a message to identify the device on the network (red Data LED flashes)

iCAN network wiring
Cable connections to the iCAN network are made to a removable 5-way connector block located on the EG2-S

| +V | CAN H | SHIELD | CAN L | 0V |

Function	iCANnet Cable Colour
0V	Black
CAN L	Blue
Shield	Silver
CAN H	White
+V	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.

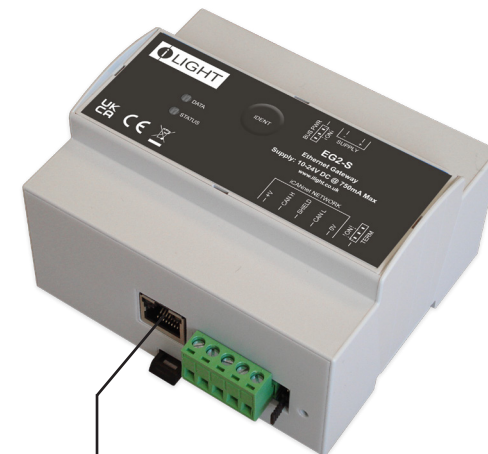## Typical Connection Diagram

Power Supply Jumper
Enables iLight Network BUS power when in the 'ON' position. Disables iLight Network BUS power when removed or in the 'OFF' position.
Caution: This product requires 10-24V@750mA. When using the network to power this device ensure adequate power is available on the network.

Power Supply
+10 - 24V DC @ 750 mA Max

Device Identification Switch

Data LED

Status LED

iLIGHT
EG2-S
Ethernet Gateway
Supply: 10-24V DC @ 750mA Max
www.ilight.co.uk

BUS PWR   SUPPLY

iCANnet NETWORK
+V — CAN H — SHIELD — CAN L — 0V   TERM

Connection to non-PoE port on ethernet switch

Connection to the iLight Network

iLight Network Termination

Network termination

EG2-S 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 downwards from the top two pins to the bottom two pins.

| Termination ON | Termination OFF |

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