

# Installation Guide

## EG2-S

Ethernet Gateway



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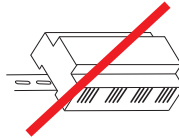
Doc No: 9850-000916-01



EN 60950-1  
Safety of Information Systems  
Compliant  
FM 727924



## Mounting & Installation

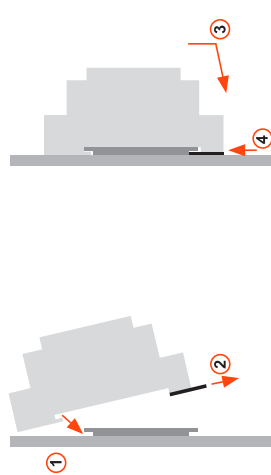


**EG2-S must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.**

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

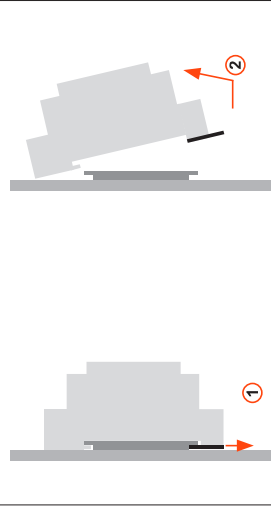
### Fixing to DIN rail

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.

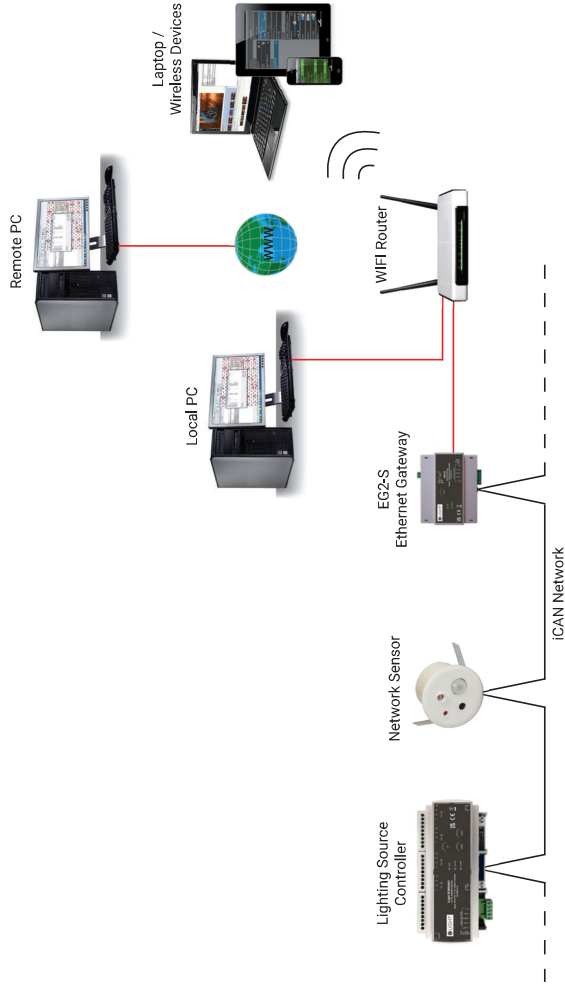


### Removing from DIN rail

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



## Typical Schematic



## 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<sup>2</sup>. Power cable size: 2 x 1mm<sup>2</sup>  
**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 DIN/rail enclosure.  
**Dimensions:** 106mm (w) x 91mm (h) x 62mm (d)  
**Weight:** 0.22kg

### Software

For programming EG2-S, the latest version of Device Editor software is required. Please sign in / register at [www.iLight.info](http://www.iLight.info) for the latest versions.

### Setup

Default Password: **password**

When connecting to an EG2-S (with firmware version 2.03P or later) the user must change the default password for a connection to an iLight system to be established. Using Link manager in Device editor create a connection and set a new password. The new password must contain 8-64 characters, at least one lower-case character, at least one upper-case character, at least one numeric character and at least one special character.

# 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



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 likely 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

Connection to the iLight Network

iLight Network Termination



Termination ON  
 Termination OFF

### 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.

Connection to non-PoE port on ethernet switch

