Installation Guide

CR1-RJ

Panel iCANnet Interface

COOPER Lighting Solutions

Cooper Lighting Solutions

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CE RoHS

bsi. ISO 9001:2015 Quality Management FM 664349

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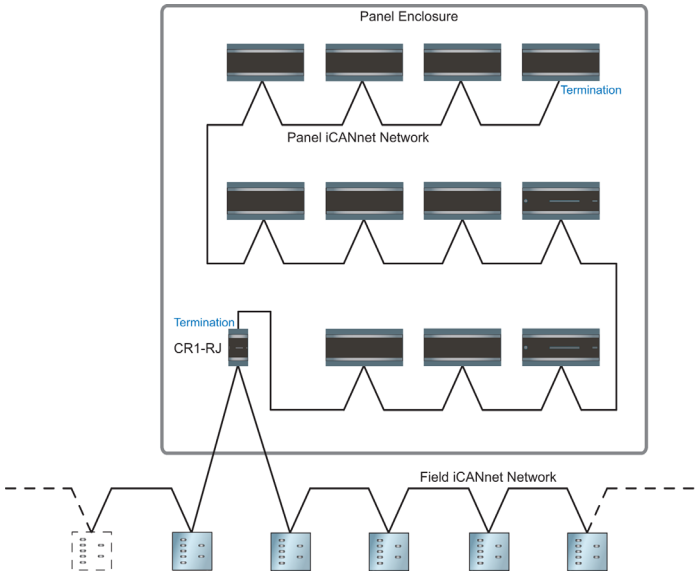
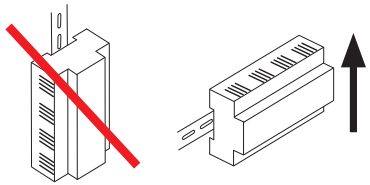
Typical Network Schematic



Mounting & Installation

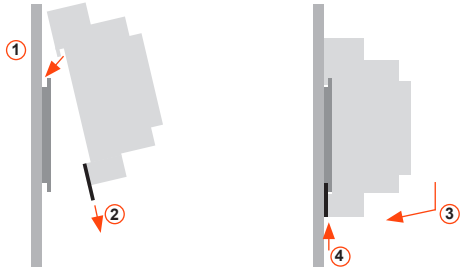


CR1-RJ must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

Ensure selected enclosure provides adequate cooling ventilation.

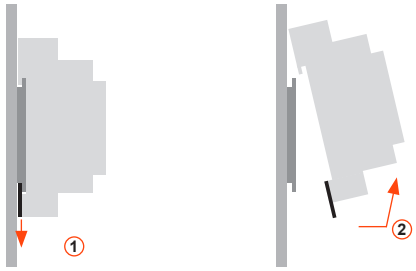
Fixing to DIN rail

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 Data
Supply: 15Vdc via iCANnet™ @60mA
iCANnet™ inputs/output: Screw terminals

Note: This product does not provide galvanic isolation between the A and B sides.

Mechanical Data
Weight: 0.1 kg (0.22lb)
Operating temperature: 0°C to +50°C
Max storage temperature: +60°C
Humidity: +5 to 95% non-condensing
Environmental protection: IP20

Installation
Installation must be carried out by a suitably qualified electrician and installed in a suitable DINrail enclosure rated for the intended environment.

CR1-RJ

Panel iCANnet Interface

Device LEDs and Buttons

Data A LED
Red LED - Flashes to show CAN traffic (Panel)

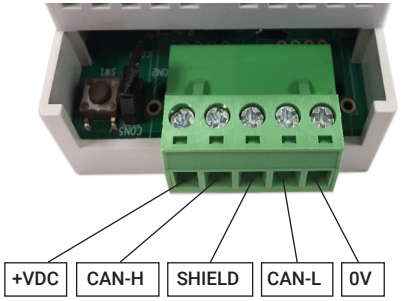
PWR A LED
Green LED - Status (Regular flash = ok.
Short pulse with long off = Device is locked)

PWR B LED
Green LED - Status (Regular flash = ok.
Short pulse with long off = Device is locked)

Data B LED
Red LED - Flashes to show CAN traffic (Field)

iCAN network wiring

Cable connections to the iCAN network are made to a removable 5-way connector block located at each end of the CR1-RJ unit:

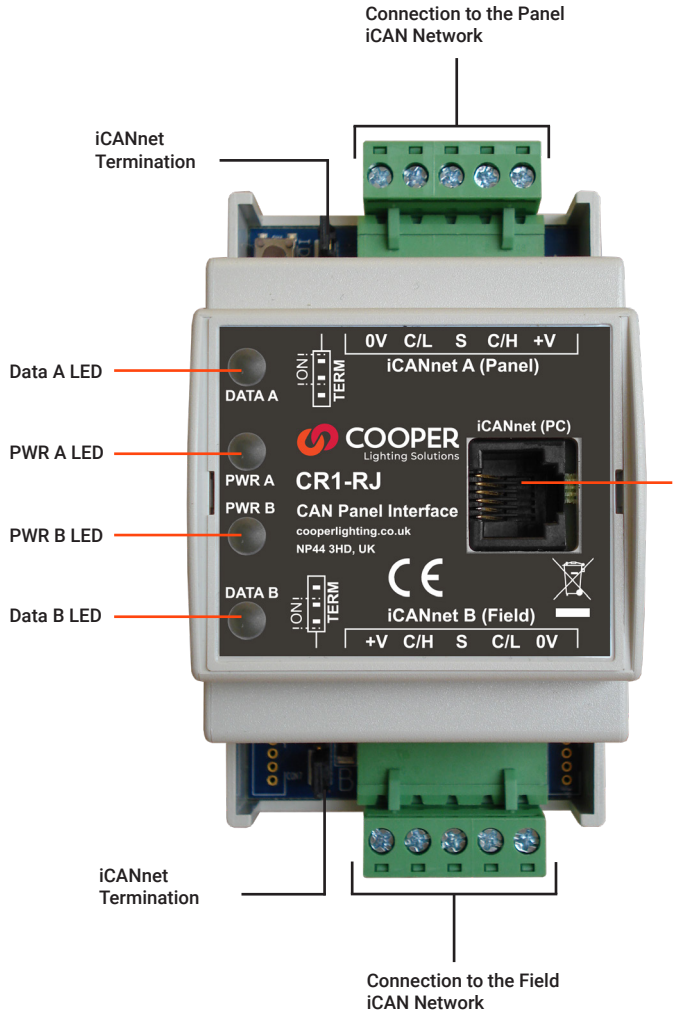


Function	iCANnet Cable Colours
0V	Black
CAN L	Blue
Shield	Silver
CAN H	White
+VDC	Red

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

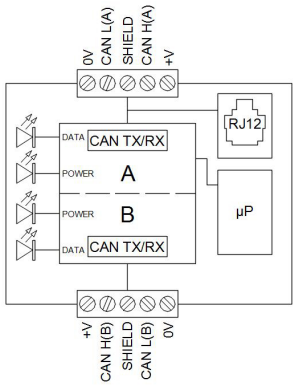
Network Power Requirements
Nominal operating voltage: 15V (12-18V)
Nominal operating current: 60mA

Typical Connection Diagram



Note: Connection remains to the Panel side even when device is locked.

Block schematic



Note: This product does not provide galvanic isolation between the A and B sides. If galvanic isolation is required use BN-2-D