

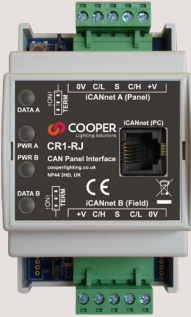
## Cooper Lighting Solutions

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### CR1-RJ

iCANnet to iCANnet Repeater

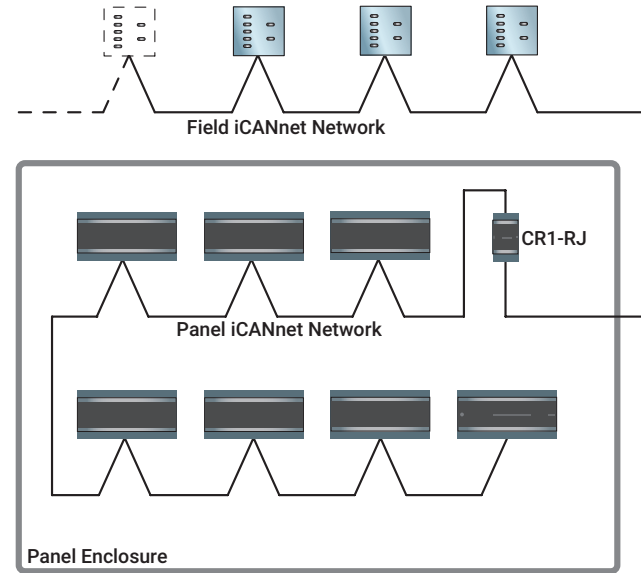


E&OE. iLight reserve the right to make changes to the equipment without prior notice.  
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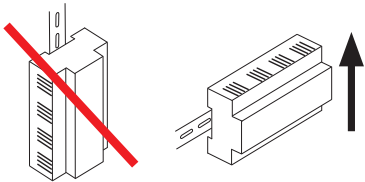
Doc No: 9850-000562-02



## Typical Network Schematic



## Mounting & Installation

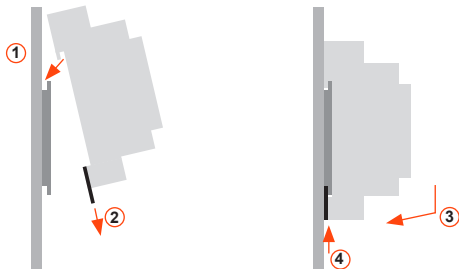


CR1-RJ must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

Ensure selected enclosure provides adequate cooling ventilation.

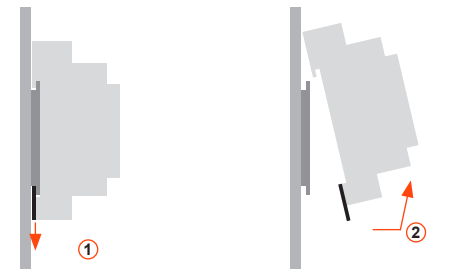
### Fixing to DIN rail

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  
Operating temperature: 0°C to +50°C  
Max storage temperature: +60°C  
Humidity: +5 to 95% non-condensing  
Environmental protection: IP20

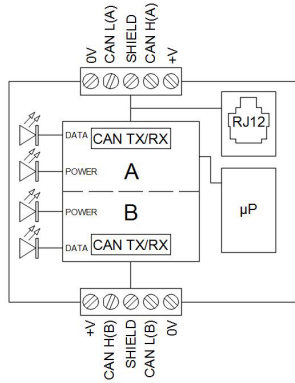
### Installation

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

# CR1-RJ

iCANnet to iCANnet Repeater

## Block schematic



## 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)

## Typical Connection Diagram

