

Installation Guide

iLight

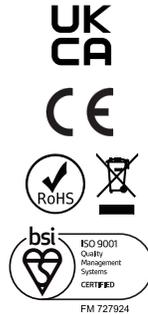
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TSI-1

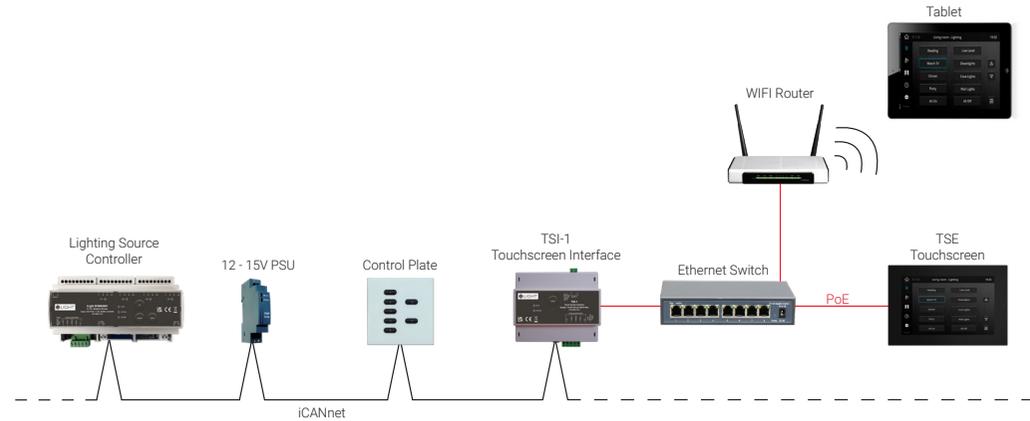
TSE Touchscreen Interface



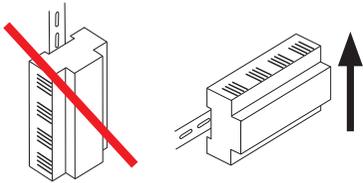
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Typical Schematic



Mounting & Installation

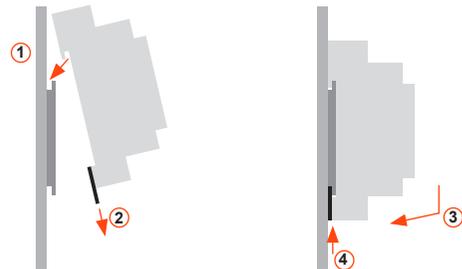


TSI-1 must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

Ensure selected enclosure provides adequate cooling ventilation.

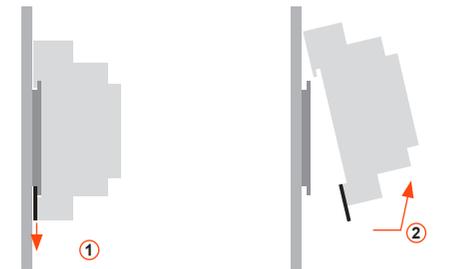
Fixing to DIN rail

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 iCAN connection
Supply: +10 - 24V DC @ 750 mA Max (via external power supply)
Terminal Size: iCANnet cable size: 5 x 1mm². Power cable size: 2 x 1mm²
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 TSI-1, Device Editor and TSE Designer software are required. Please consult your Cooper Lighting Solutions representative for latest versions.

TSI-1

TSE Touchscreen Interface

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 Connections

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

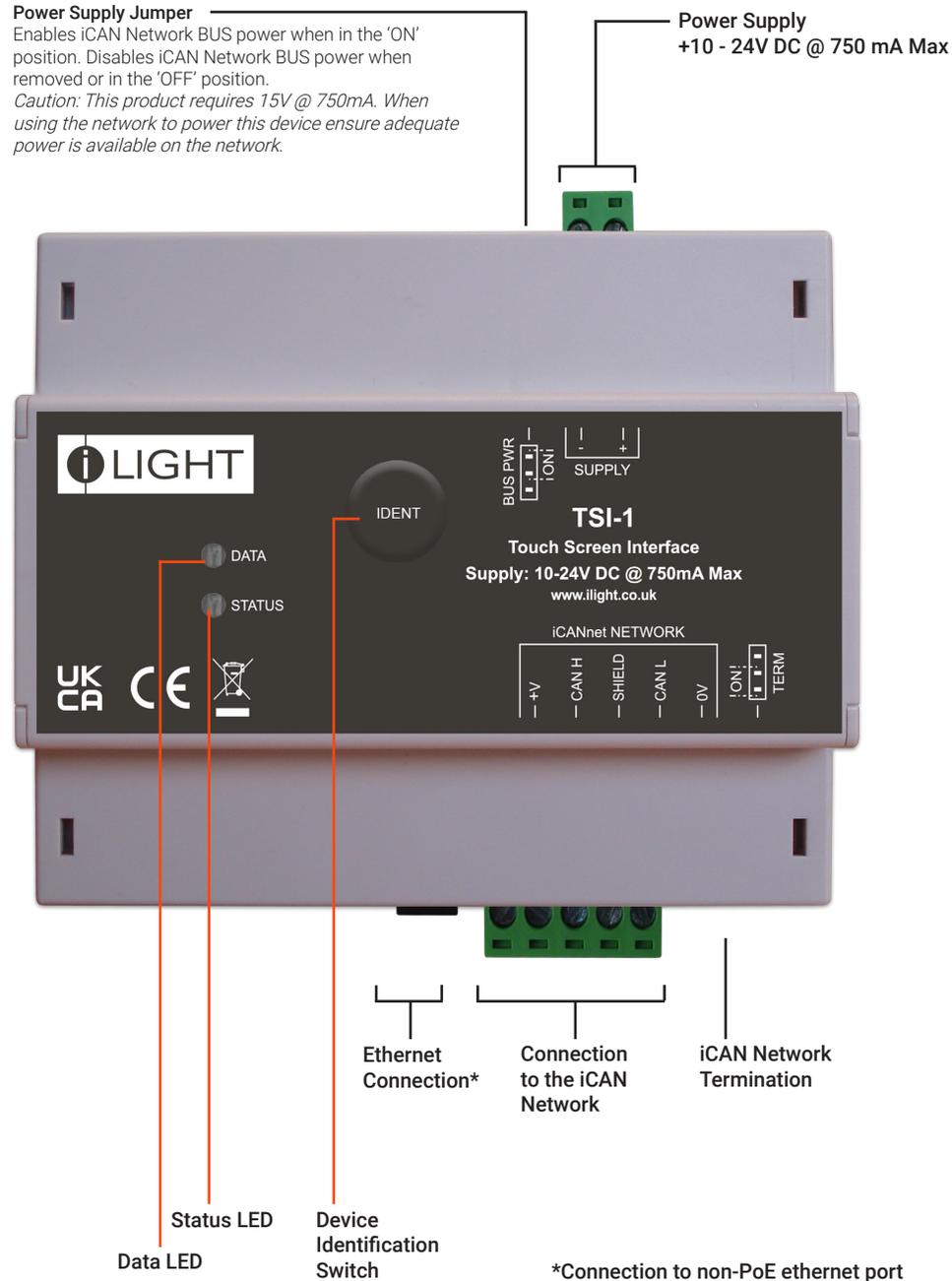
Maximum segment distance: 500m (1640 ft)
 Devices per segment: 100 (without bridge or repeater)
 Consult Cooper Lighting Solutions for information on alternative cable types.

Network Power Requirements

Nominal operating voltage: 15V (12-18V)
 Nominal operating current: 750mA

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



Network termination

TSI-1 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.

