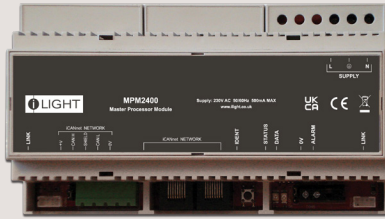# Installation Guide

MPM2400
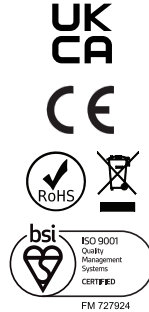Primary Processor Module

iLIGHT

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iLight
Usk House, Lakeside
Llantarnam Park,
Cwmbran,
NP44 3HD, UK

t: +44 (0)1923 495495
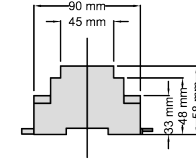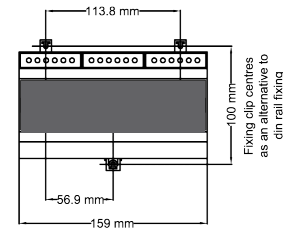e: enquiries@iLight.co.uk
www.iLight.co.uk

EU Authorised Representative
Cooper Lighting Netherlands B.V.
High Tech Campus
HTC 48
Eindhoven
5656 AE

E&OE. iLight reserve the right to make changes to the equipment without prior notice.
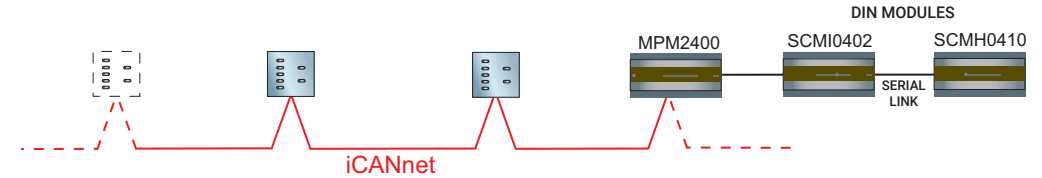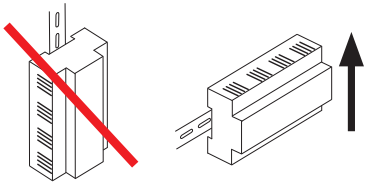© Signify Holding

Doc No: 9850-000802-01

UKCA

CE

RoHS

bsi
ISO 9001
Quality
Management
Systems
CERTIFIED
FM 727924

iLIGHT

Dimensions

113.8 mm
56.9 mm
159 mm
100 mm
Fixing clip centres as an alternative to din rail fixing

90 mm
45 mm
33 mm
48 mm
58 mm

Typical Schematic

DIN MODULES

MPM2400   SCMI0402   SCMH0410

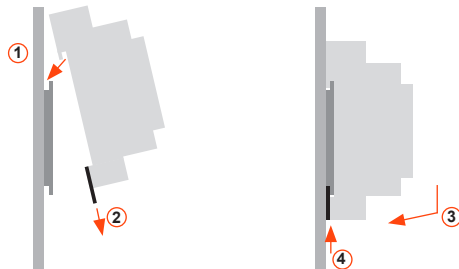SERIAL LINK

iCANnet

Mounting & Installation

MPM2400 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.

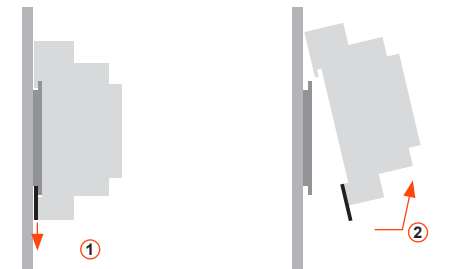**Ensure selected enclosure provides adequate cooling ventilation.**

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
Supply: 1A, 230VAC +/- 10%, 50/60 Hz. Max cable: 2.5mm^2
Rating: Max 6A single phase @ 40°C
Protection: Provided by installer
Design verification as per IEC/EN 61439:
Equipment heat dissipation, current-dependent: 8.5W Max

Communications
Recommended Cable: iCANnet Cable for screw terminals or
CAT5 FTP terminated with RJ45 connectors.
Serial Link Connections: Use cable supplied with unit. See diagram for installation
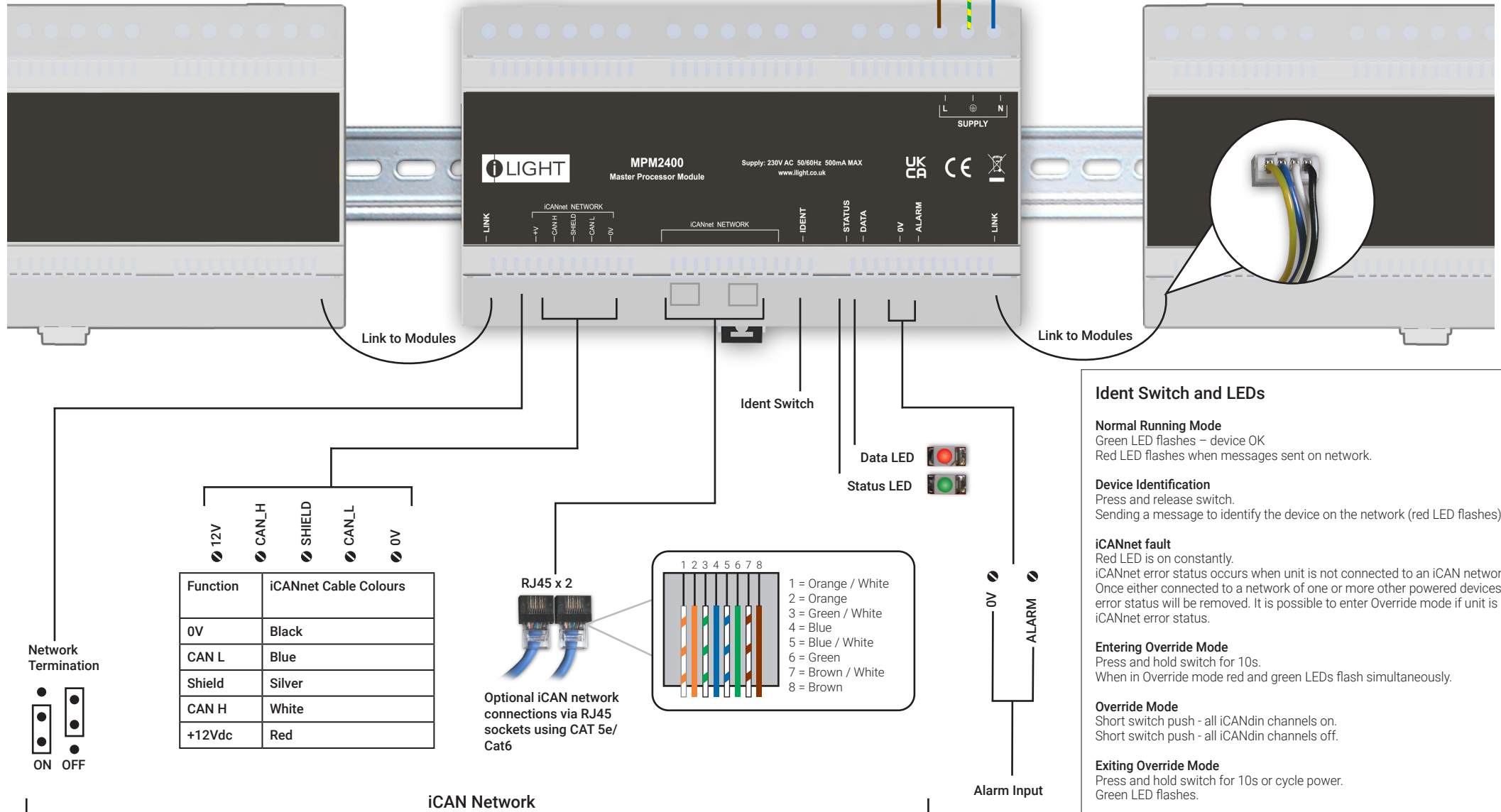Alarm input: Max cable: 1.5mm^2, Max Length: 10m

Safety
Ambient temperature: +2C° to +40°C
Relative humidity: 5% to 80% max, non-condensing
IP rating: IP20
Installation: Installation must be carried out by a suitably qualified electrician

MPM2400
Primary Processor Module

Typical Connection Diagram

230VAC

N

L

6A

L ⊕ N
SUPPLY

iLIGHT

MPM2400
Master Processor Module

Supply: 230V AC 50/60Hz 500mA MAX
www.ilight.co.uk

UK CA CE

LINK

iCANnet NETWORK
+V CAN H SHIELD CAN L 0V

iCANnet NETWORK

IDENT

STATUS DATA

0V ALARM

LINK

Link to Modules

Link to Modules

Ident Switch

Data LED

Status LED

12V CAN_H SHIELD CAN_L 0V

Function	iCANnet Cable Colours
0V	Black
CAN L	Blue
Shield	Silver
CAN H	White
+12Vdc	Red

RJ45 x 2

1 2 3 4 5 6 7 8

1 = Orange / White
2 = Orange
3 = Green / White
4 = Blue
5 = Blue / White
6 = Green
7 = Brown / White
8 = Brown

Optional iCAN network connections via RJ45 sockets using CAT 5e/ Cat6

0V ALARM

Network Termination

ON OFF

Alarm Input

iCAN Network

Ident Switch and LEDs

Normal Running Mode
Green LED flashes – device OK
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 LED flashes).

iCANnet fault
Red LED is on constantly.
iCANnet error status occurs when unit is not connected to an iCAN network. Once either connected to a network of one or more other powered devices, the error status will be removed. It is possible to enter Override mode if unit is in iCANnet error status.

Entering Override Mode
Press and hold switch for 10s.
When in Override mode red and green LEDs flash simultaneously.

Override Mode
Short switch push - all iCANdin channels on.
Short switch push - all iCANdin channels off.

Exiting Override Mode
Press and hold switch for 10s or cycle power.
Green LED flashes.

9850-000802-01. E&OE.