Installation Guide

SCMH0410
4 x 10A DINrail Mount
HF Ballast Controller

iLight

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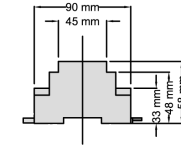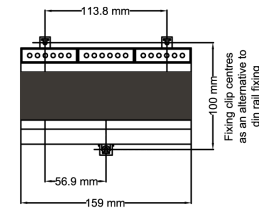High Tech Campus
HTC 48
Eindhoven
5656 AE

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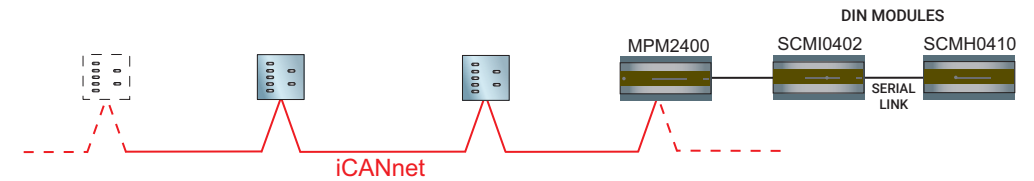© Signify Holding

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RoHS

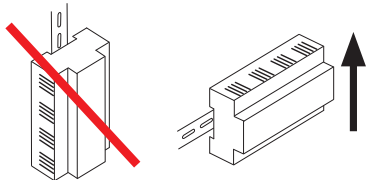bsi ISO 9001 Quality Management Systems CERTIFIED
FM 727924

Dimensions

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

90 mm
45 mm
33 mm
48 mm
58 mm

Typical Schematic

DIN MODULES

MPM2400 | SCMI0402 | SCMH0410

SERIAL LINK
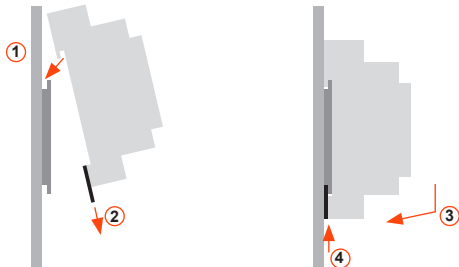
iCANnet

Mounting & Installation

SCMH0410 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.

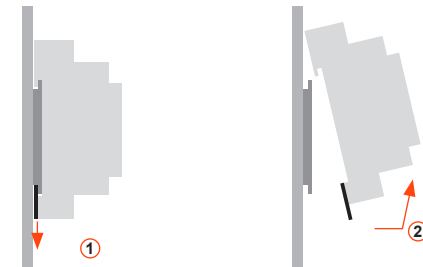Ensure selected enclosure provides adequate cooling ventilation.

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: 230VAC +/- 10%, 50/60 Hz
Incoming terminals: maximum cable size: 2.5mm^2
Rating: Maximum 16A single phase @ 40ºC
Protection: Provided by installer
Load Types: 1-10V ballasts, 100/channel
Tridonic DSI Ballasts, 10/channel DALI HF ballasts (broadcast mode)
10/channel 1-10V controlled loads at 160mA sink or 20mA source / channel
The output type is selectable / circuit via iCANsoft
Switched outputs: 4 x 230VAC 10A (inductive or resistive)

Communications
SCMH0410 requires connection to MPM2400 primary controller to operate
Module Link Connections: Use cable supplied with unit.
See diagram for installation
Terminal Sizes:
Ballast output – max cable: 4 pairs x 2.5mm^2
Loads – max cable: 1 x 2.5mm^2 or 2 x 1.5mm^2 / circuit

Safety
Ambient temperature: 2°C – 40°C
Relative humidity: 5% - 95%
IP rating: IP20
Installation: Installation must be carried out by a suitably qualified electrician

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4 x 10A DINrail Mount HF Ballast Controller

Typical Connection Diagram

HF Ballast (1-10V)

N

L

+

-

230VAC

N L

16A

N L N L N L N L
CH1   CH2   CH3   CH4

RELAY OUTPUTS

N L
SUPPLY

- + - + - + - +
CH1   CH2   CH3   CH4

HF OUTPUTS

iLIGHT

SCMH0410
4 x 10A HF Ballast Controller

Supply: 230V AC 50/60Hz 16A max
www.ilight.co.uk

µ UK CA CE

LINK

OUTPUTS
1 2 3 4

IDENT

STATUS
DATA

ADDRESS
1 2 4 8

LINK

Link from
MPM2400

Link to Modules

Ident Switch

Output Status

Data LED

Status LED

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).

Entering Override Mode
Press and hold switch for 10 seconds.
When in Override mode the green LED flashes twice as fast and the red LED shows the output state. ie red LED off denotes all outputs off, red LED on denotes all output on.

Override Mode
Short push of switch - all circuits on.
Short push of switch - all circuits off.

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

Output LEDS
Signify output level for each channel

Address Switches

1	2	3
ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4

4	5	6
ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4

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