iLIGHT

Installation Guide

SCMA0401
4 Channel x 1A Adaptive
Dimmer – DINrail Mount

EAT•N
Powering Business Worldwide

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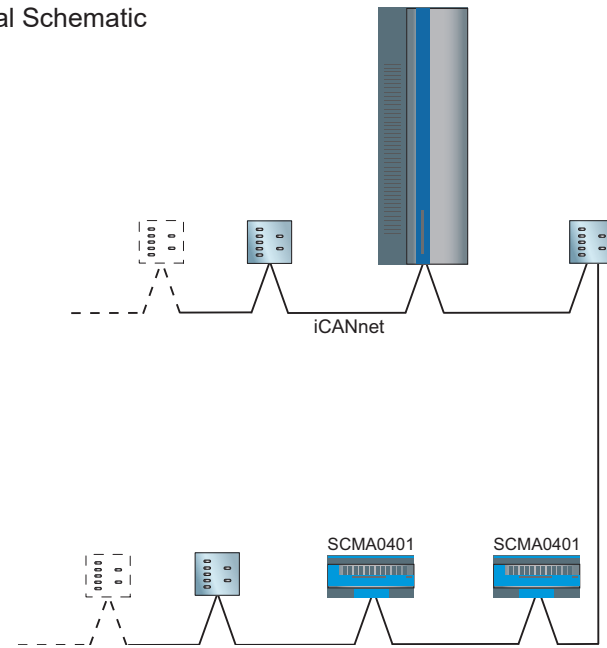T: +44 (0)1923 495495
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CE   RoHS

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Typical Schematic

iCANnet
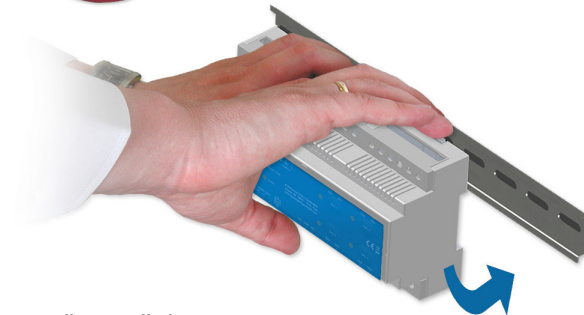
SCMA0401   SCMA0401

Mounting & Installation
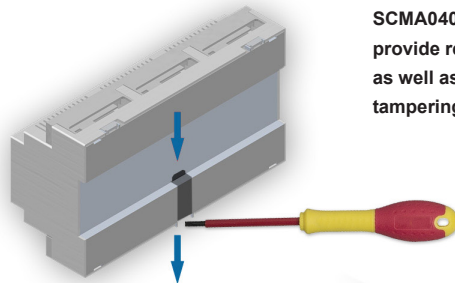
SCMA0401 must be mounted in a suitable enclosure to provide regulatory protection from electric shock hazard as well as protecting the iCANnet data network from tampering that could lead to reduced network security.

Ensure selected enclosure provides adequate cooling ventilation.

Technical Data

Electrical Data
Mains supply: 120 – 277V AC +/-10%, 50/60 Hz
Unit rating: Maximum 4A single phase
Mains supply protection: Provided by installer (6A Type C MCB recommended)
Max Output channel current: 4 x 1A RMS or 2 x 2A RMS when channel pairing is used. No minimum load
Note: Pairing combinations allowed (1+2) and/or (3+4) only
CAN power consumption: 85mA
Mains terminals: Maximum cable size 1 x 2.5mm^2
Channel terminals: Maximum cable size 1 x 2.5mm^2 or 2 x 1.5mm^2

Mechanical Data
Dimensions: 159mm (w) x 89mm (h) x 60mm (d)
Housing: DIN rail case; 9 module width
Weight: 0.2kg
IP rating: IP20

Operating Conditions
Operating temperature: +2°C to 50°C
Relative humidity: 5% to 95% non-condensing
Max Storage Temperature: +60°C

Software
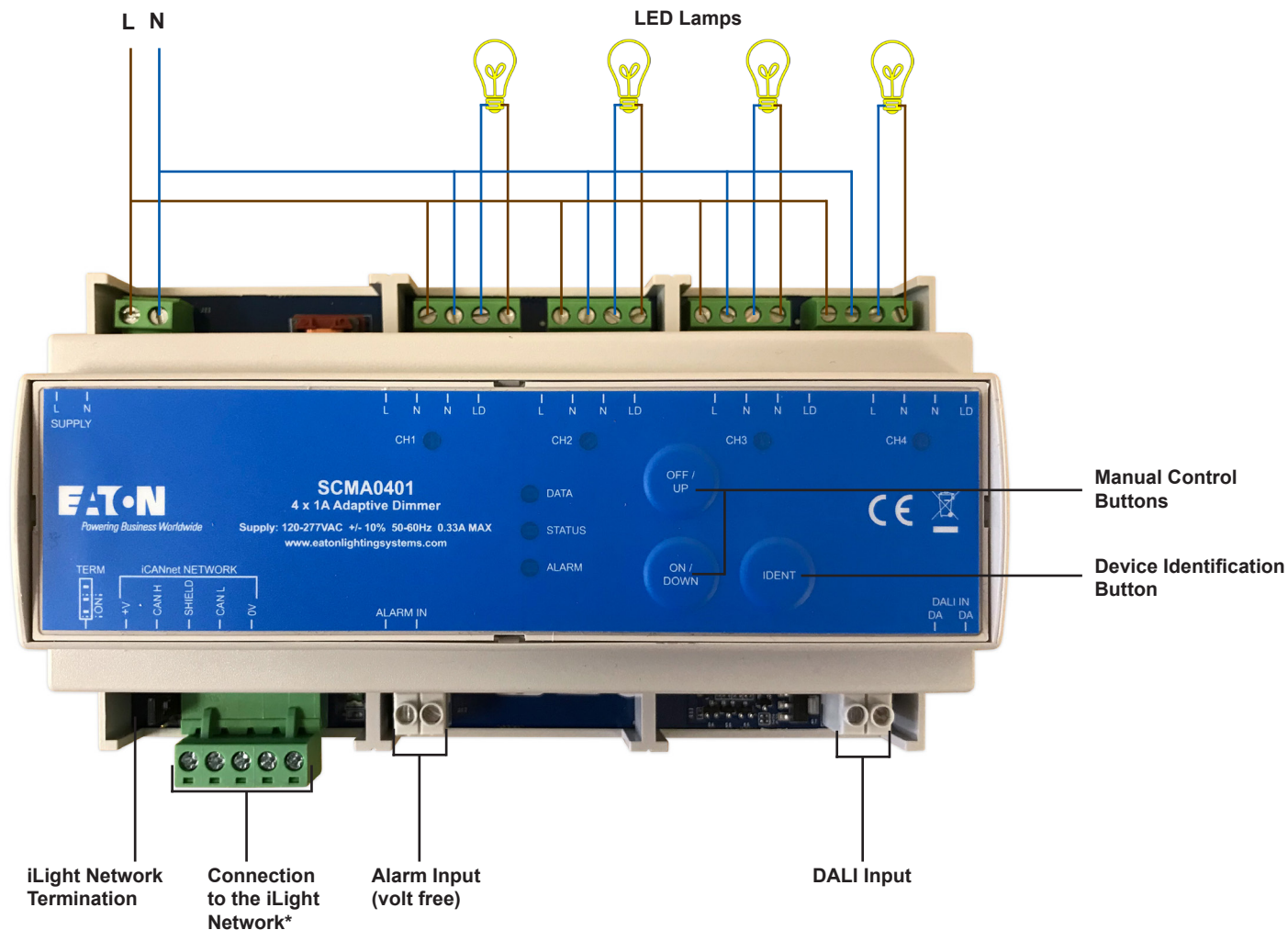For programming SCMA0401, Device Editor v31.4.40 or later is required

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Device LEDs and Buttons

Status LED
Green LED flashes – device OK
Green LED flashes rapidly - device under DALI control

Data LED
Red LED flashes when messages sent on network
Red LED solid indicates iCANnet network error

Alarm LED
Red LED flashes ON for local initiated alarm
Red LED solid for network initiated alarm

Device Identification
Press and release switch.
Sending a message to identify the device on the network
(red Data LED flashes)

Channel Output Status LEDs
LEDs turn on when the channel is > 0%
LEDs turn off when the channel is 0%

Manual Control of Channel Outputs
By holding the IDENT button down for 5 seconds,
manual control of each channel is enabled using the
OFF/UP and ON / DOWN buttons.
Once in manual mode, press the IDENT button to
change channels. Exit manual control with a further 5
second press of the IDENT button.

Typical Connection Diagram

Incoming Supply
120 - 277V AC
Mains supply protection:
Provided by installer (6A Type C
MCB recommended)

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LED Lamps

Manual Control Buttons

Device Identification Button

iLight Network Termination

Connection to the iLight Network*

Alarm Input (volt free)

DALI Input

* This unit does not output +V to the iLight network. Requires 85mA @ 15V DC
either via pre-powered iLight network or from external PSU

9850-000700-01. E&OE.