

# SCMA0402

## 4 Channel Adaptive Dimmer DINrail Mount

### Key Features

- 4 channel adaptive source controller
- DIN rail mount
- Dims resistive, inductive and low voltage electronic transformer loads
- Circuit protection (MCBs) installed separately as required but unit includes electronic short circuit protection and overload protection through internal temperature measurement
- DIP Switches per channel for selecting leading, trailing or auto operation
- Channel pairing where loads of more than 2.5A are required
- LED indication of operating status
- Configuration stored in Non Volatile EEPROM
- Firmware storage in reflashable FLASH memory over iCAN network
- Configurable start up mode
- CE & UKCA compliant to all relevant standards
- Designed and manufactured to ISO9001 standard



### Overview

This 4 circuit source controller is fully rated for dimming all conventional types of lighting including incandescent lamps, high and voltage halogen lamps and low voltage halogen lamps with electronic transformers. There are 4 separate dimmer inputs and outputs each with a load capacity of 575W\*. Each channel includes a DIP switch for selecting leading, trailing or auto operation depending on the load type.

Where loads greater than 2.5A are required, channels can be paired together providing 2 x 5A of control, or 1 channel of 5A with 2 additional channels of 2.5A.

The SCMA0402 includes a 128 scene integral memory this device offers multiple control options to meet the most demanding specifications. The unit connects directly into the iLight network and has the standard scene control and configuration features of iLight dimmers.

With the iLight network connectivity, it has the capability of being linked with a virtually limitless number of other iLight products to build up to any size of system. This product is designed for projects where there are multiple channels of architectural lighting.

## Mechanical Data

Weight: 1 kg

Operating temperature: +2°C to +40°C

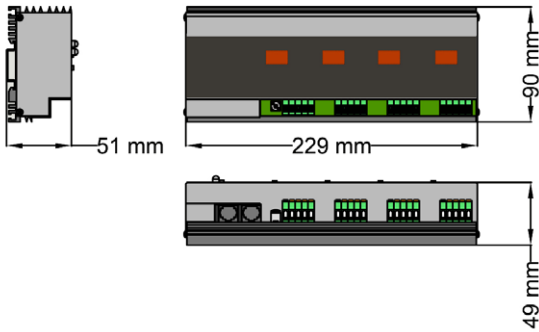
Note: All enclosures must be adequately ventilated

Max storage temperature: +60°C

Humidity: +10 to 80% non-condensing

Environmental protection: IP20

## Dimensions



## Electrical Data

Supply: 230 volts +/- 10%, 50/60 Hz

Incoming terminals: max. cable size: 2.5mm<sup>2</sup>

Supply protection: provided by installer - use 10A or less

Output channel rating: maximum 575W\* (2.5A)  
resistive/inductive/capacitive

**\*Please note:** There are no industry standards for mains dimmable LED designs. Individual lamp performance and dimming ranges vary considerably between manufacturers, models and even over time. Always refer to the lamp manufacturer's recommended limits for leading/trailing edge operation, derating of load due to inrush current and maximum number of lamps per circuit. This is often limited to less than 10 lamps per circuit regardless of load. It shall be the responsibility of the installer to check lamp compatibility in advance or arrange proving tests/quantities as necessary.

Channel pairing does not increase load capacity to dim LED loads. Apply the same limits to single or paired channels.

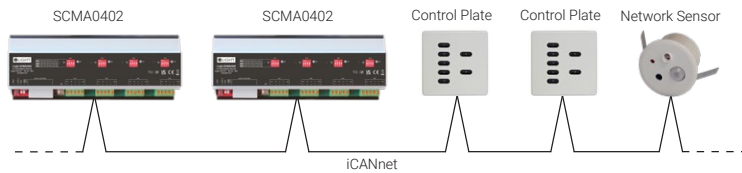
Minimum dimming output load: 5W

Load terminals: max. cable size:

1 x 2.5mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup> per circuit

Dimmers produce heat, use only in well ventilated enclosures

## Typical Schematic



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