



SCMA0401 Adaptive Dimmer

Simplifying the control of LED lamps

Designed and tested to meet the unique demands of mains dimmable LEDs, the SCMA0401 is the perfect solution for your energy saving lighting and control needs.

- Leading and trailing edge lamps
- 4 channels of 1 Amp or 2 channels of 2 Amps
- Flicker free
- No minimum load
- Smooth dimming
- Exceptionally quiet
- No dummy load required
- DALI to phase dimming



Controlling LED Lamps - The Challenges

Compatibility challenges have never been so complex with such a vast spectrum of LED lamps available. Often it is difficult to ensure precisely what LED technology is being used from batch to batch as the Lighting industry continues its incredible pace of development.

The versatile SCMA0401 adaptive dimmer will significantly help with the demands of dimming such a large array of lamps and characteristics.

Channel Options and Ratings

- 4 x 1 Amp or 2 x 2 Amp mains dimming
- Single phase, channels are phase independent
- Short circuit protection

Network Control Options

- iLight CAN network
- DALI IN (4 addresses)

Inputs

- Configurable alarm input
- Volt free contact

Test Buttons

- Individual channel control
- On/off, dim up/dim down



Adaptive Dimmer

- iLight 'Adapt' Trailing Edge Dimming
- Leading Edge Dimming
- Switching
- Set channel modes individually

Loads

- Capacitive & resistive (NOT inductive)
- No minimum load
- No de-rate for LEDs unless specified by lamp manufacturer
- Ultra quiet dimming

Scaleable dimming curve

- Optimising usable dimming range
- Low end fine control

Hospitality

The SCMA0401 delivers advanced dimming control for outstanding visual experiences.

Optimal low level dimming performance for Hotels Rooms, Receptions, Restaurants, Casinos, Cinemas, Cafes & Bars, Public spaces, Circulation spaces and much more.



Commercial

The SCMA0401 enables contemporary architectural pendant lighting to be controlled in harmony with established DALI commercial luminaires.

Ideal for Meeting Rooms, Board Rooms, Training Rooms, Breakout Spaces and Atriums.

Residential

Flexibility and simplicity are key considerations when selecting a lighting control system. With such a wide range of LED lamps and luminaires to choose from, our iLight 'Adapt' technology automatically adapts to the lamp characteristics, with a scalable dimming curve per channel for accurate control.

Applications include, Private Apartments, Serviced Apartments, Private Residences and Smart Homes.



What problems are we addressing?

End User, Consultant & Contractor Challenges

<p>I NEED TO DIM MY LED LAMPS TO A VERY LOW ACCURATE LEVEL</p> <p>Levels can be set accurately subject to lamp characteristics</p>	<p>DIMMERS CAN MAKE AN ANNOYING BUZZING NOISE</p> <p>SCMA0401 operates exceptionally quietly</p>	<p>MY CARBON FOOTPRINT IS EXTREMELY IMPORTANT TO ME</p> <p>Load resistors are not required, as there is no minimum load</p>
<p>I WANT TO UTILIZE THE FULL RANGE OF LIGHT FROM MY LAMPS</p> <p>Scalable dimming curves per channel for accurate control</p>	<p>LEADING EDGE DIMMERS HAVE A MINIMUM LOAD</p> <p>SCMA0401 has no minimum load</p>	<p>ARE MY LAMPS LEADING OR TRAILING EDGE?</p> <p>SCMA0401 controls both lamp types for maximum compatibility</p>
<p>HOW DO I CALCULATE HOW MANY LAMPS I CAN HAVE ON A CIRCUIT?</p> <p>No de-rate for LEDs unless specified by lamp manufacturer</p>	<p>I HAVE A CHANDELIER WITH MANY LAMPS TO CONTROL</p> <p>Pair the channels together to get a 2A capability</p>	<p>WILL THIS BATCH OF LAMPS PERFORM THE SAME?</p> <p>iLight 'Adapt' technology for the best compatibility</p>
<p>I DON'T HAVE MUCH SPACE TO MOUNT THE DIMMERS</p> <p>SCMA0401 is a compact 9 module DIN rail device</p>	<p>I WANT TO UTILIZE MY EXISTING CABLING</p> <p>All you require is 2 core mains wiring</p>	<p>I WANT TO CHECK THE INSTALLATION BEFORE AN ENGINEER ATTENDS SITE</p> <p>Interactive test buttons allow individual circuits to be tested</p>

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