SCI0405

4 Channel x 5 Amp Inductive Lighting Source Controller

**Key Features**
- 4 x 5 Amp rated source controller
- Dims resistive, inductive and low voltage electronic transformer loads (that are compatible with leading edge dimmers)
- Quiet operation
- 128 scene memory
- Multiple choice of circuit protection
- Security door for MCBs
- Optional RCBO per channel
- Fail to full safety feature
- iLight network inputs
- DMX input option
- Audio Visual Port (RS485)
- Panic/Fire alarm input
- Emergency Lighting Terminals
- Future proof with FLASH memory
- CE compliant to all relevant standards
- Designed and manufactured to ISO9001:2008 standards

**Overview**
This 4 circuit economy source controller is fully rated for 4 x 5 Amps of continuous inductive or resistive lighting loads. Whether used for tungsten, low voltage or cold cathode light sources, this unit will provide reliable service over many years. With a 128 scene integral memory, this device offers multiple control options, to meet the most demanding specifications.

In addition to the iLight network connectivity, it also has an audio visual port, and panic/fire alarm input. It is typically used on its own in areas that need manageable and controlled light such as themed restaurants, visitor centres, art galleries, and churches, or as part of a comprehensive network in large building complexes.
**Mechanical**

**Weight:** 4kg (4.5kg for RCBO & RCBOX versions)

**Mains Cable Access:**
4 x 22.5mm/PG16 knockouts, 4 x 25.5mm/M25 knockout & 1 x 28.5mm/PG21 knockout

**Control Cable Access:**
1 x 22.5mm/PG16 knockout & 1 x 25.5mm/M25 knockout

**Climate Range**
Temperature: +2°C to +40°C
Humidity: +5 to 95% non condensing

**Control Inputs**
Two sets of terminals for the iLight network
Suitable for Belden 1502
One RJ12 socket for programming the iLight network
One set of terminals for the Audio Visual Port, RS485
One set of terminals for the panic/fire alarm input

**Dimensions**

SCI0405 D version - 400x220x155mm.
RCBO & RCBOX version - 340x255x155mm.

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**Electrical**

**Maximum Load:** 20 Amp single phase @ 40ºC

**Maximum Channel Current:** 5 Amps

**Supply:** 230 volts +/- 10% 50/60 Hz (optionally, 127 volt 60 Hz)

**Protection:** 4 x 6 amp MCBs Type C, 6KA rated, Input isolator.

**Options:**
SCI0405S - Single pole, no isolator
SCI0405N - Neutral disconnect, no isolator
SCI0405D - Double pole, no isolator
SCI0405RCBO - RCBO Breakers with isolator
SCI0405RCBOX - 4 x SP MCBs with isolator (For field fit of RCBOs)

**Load Types:**
- Incandescent 230 volt lamp
- Inductive Wire wound (allow for 10% transformer losses)
- Leading edge electronic transformers
- Cold cathode (Check the iLight help desk for details)

**Minimum Load:** 20 watts inductive load per channel

**Dimmed Outputs:** 4 x 40 Amp Triacs

**Switched Outputs:**
The Dimmed outputs may be configured as switches, for non-dimmed loads. They require a minimum load of 30mA for them to latch. Before connecting discharge lamps, consult iLight.

**Terminal Sizes:**
- Incoming supply, max’ cable size: 10mm²
- Loads, max’ cable size: 1 x 4mm² or 2 x 2.5mm² per circuit
- iLight network cable size: 5 x 1mm²
- Auxiliary over-ride input: 2 x 1mm²

**Memory:**
- FLASH memory to be able to upgrade firmware
- EEPROM for 128 scene memory

**Fade Times:** 0.1 seconds to 60 minutes

**Mains Stabilisation:** 50:1

**Other inductive source controllers:** SCI0410, SCI0420, SCI0805, SCI1205, SCI1210, SCI1220 and the SCM0402

**Notes:** Where control of Electronic transformers for trailing edge dimming is required, refer to the iLight SCA and SCLED Source Controllers.

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