

SCI0805

8 Channel Combined HF, Switching and Inductive Source Controller

Key Features

- 40 Amp total box load
- 1-10 volt, DSI and DALI ballasts
- 128 scene memory
- Security door for MCBs
- Optional RCBO per channel
- Fail to full safety feature
- iCAN network inputs
- DMX input option
- Audio Visual Port (RS485)
- Panic/Fire alarm input
- Emergency Lighting Terminals
- Configuration stored in Non Volatile EEPROM
- Firmware storage in reflashable FLASH memory over iCAN network
- CE compliant to all relevant standards
- Designed and manufactured to ISO9001:2015 standards

Overview

This cost effective compact source controller is an 8 channel device that provides 4 x 5Amps inductive dimmed circuits and 4 x 5Amp relay outputs. Relay outputs can be configured to control 1-10 volt, Tridonic DSI or Broadcast DALI.

In addition to the iLight iCAN network connectivity, it also has an audio visual port. It is suitable for controlling 1-10V, DSI and broadcast DALI lighting and non lighting loads. It is typically used on its own in small areas of mixed lighting sources that need manageable and controlled light and non-dim circuits, such as video conference rooms, meeting rooms, board rooms, hotel suites, private residences, or as part of a comprehensive network in large building complexes.



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Mechanical

Weight: 7kg (8kg for RCBO & RCBOX versions)

Mains Cable Access:

4 x 25.5mm, 4 x PG16 and 1 x PG 21 knockouts

Control Cable Access:

1 x 25.5mm and 1 x PG16 knockouts

Climate Range

Temperature: +2°C to +40°C

Humidity: +5 to 95% non condensing

Control Inputs

Two sets of terminals for the iCANnet™ network

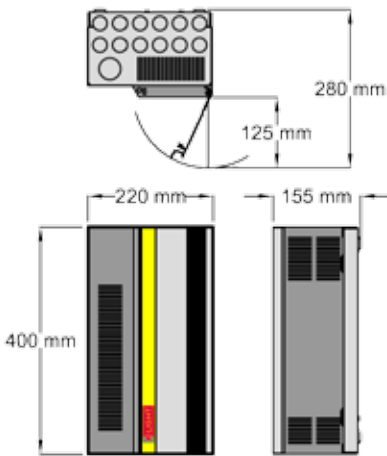
Suitable for Belden 1502

One RJ12 socket for programming the iCANnet™ network

One set of terminals for the Audio Visual Port, RS485

One set of terminals for the panic/fire alarm input

Dimensions



SCIO805 RCBO & RCBOX version - 440 x 255 x 155mm

Electrical

Maximum Load: 40 Amp single phase @ 40°C

Maximum Channel Current: 5 Amp

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

Protection: 8 x 6 Amp MCBs Type C, 6KA rated

Options

SCIO805T - 2 x 20A Breakers, no isolator

SCIO805TN - 2 x 20A 'N' Type Breakers, no isolator

SCIO805S - Single pole, no isolator

SCIO805N - Neutral disconnect, no isolator

SCIO805RCBO - RCBO Breakers with isolator

SCIO805RCBOX - 8 x SP MCBs with isolator (For field fitting of RCBOs)

Load Types:

1-10 volts HF Fluorescent, 100 per channel

Tridonic DSI HF Fluorescent Ballast, 32 per channel, max 128 per unit.

Broadcast DALI HF Fluorescent Ballast, 32 per channel, max 128 per unit.

4 x 5 Amp incandescent or inductive (not suitable for trailing edge capacitive loads)

Dimmed Outputs:

4 x 5 Amp inductive

4 x 5Amp relays for controlling either 1-10V, Tridonic DSI or Broadcast DALI

Switched Outputs:

4 x 230v 5 Amp (inductive or resistive)

Terminal Sizes:

Incoming supply, max' cable size: 10mm²

Ballast output, max' cable size: 8 pairs x 2.5mm²

Loads, max' cable size: 1 x 4mm² or 2 x 2.5mm² per circuit

iCANnet™ network cable size: 5 x 1mm²

Audio Visual Port: RS485 2 x 1mm²

Panic/fire alarm input: 2 x 1mm²

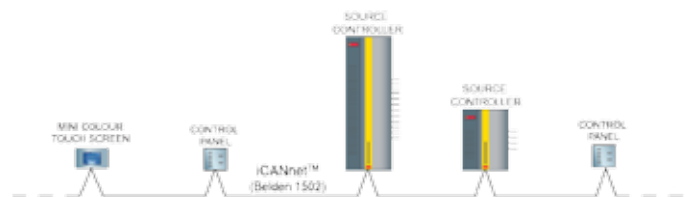
Memory:

FLASH memory to be able to upgrade firmware

EEPROM for 128 scene memory

Fade Times: 0.1 seconds to 60 minutes

Typical Schematic



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