



# SCS0420

## 4 Channel 20 Amp Switched Relay Source Controller

### Key Features

- 4 x 20 Amp source controller
- Switches resistive, inductive and capacitive lighting loads
- Quiet operation
- 128 scene memory.
- Multiple choice of circuit protection
- Security door for MCBs
- Optional RCBO per channel
- Fail to full safety feature
- Panic/Fire alarm input
- iCAN network inputs
- Audio Visual Port (RS485)
- DMX input option
- 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 ISO9001-2008 standards

### Overview

This 4 channel high powered intelligent switching unit provides outstanding features and performance at a truly competitive price. It is rated for 80 Amps single phase of continuous inductive lighting load. This unit is designed for switching large lighting loads of most types. With a 128 scene integral memory this device offers multiple control options to meet the most demanding specifications.

With iLight's iCAN 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. It is the perfect choice for shopping malls, atria exterior lighting and industrial areas.



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## Mechanical

Weight: 4kg (D, RCBO & RCBOX - 5kg)

Mains Cable Access: 4 x 25.5mm,  
4 x PG16 and 1 x PG21 knockouts

Control Cable Access: 1 x 25mm and 1 x PG16 knockout

Climate Range:

Temperature: +2°C to +40°C

Humidity: +5 to 95% non condensing

Control Inputs:

Two sets of terminals for the iCANnet™ network

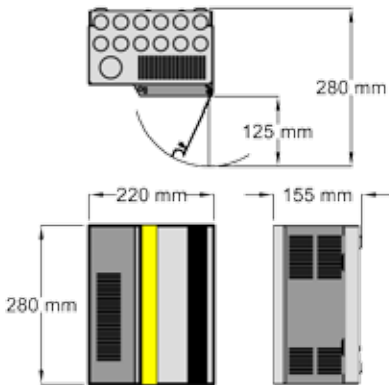
Suitable for Belden 1502

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



SCS0420 D version - 400x220x155mm.

RCBO & RCBOX version - 340x255x155mm

## Electrical

Maximum Load: 80 Amp single phase @ 40°C

Maximum Channel Current: 20 Amp

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

Protection: 20 Amp MCBs Type C, 6KA rated

Options:

SCS0420S - Single pole, no isolator

SCS0420N - Neutral, no isolator

SCS0420D - Double Pole, no isolator

SCS0420RCBO - RCBO Breakers with isolator

SCS0420RCBOX - 4 x SP MCBs with isolator (For field fit of RCBOs)

Load Types:

This unit is designed to work with most lighting load types. Please consult with the iLight™ help desk for guidance on true load calculations. Care should be taken when specifying discharge lighting sources with power factor capacitors

Switched Outputs:

This device uses 4 x 230 volt 20A (Resistive and Inductive)

Terminal Sizes:

Incoming supply, max' cable size: 10mm<sup>2</sup>

Loads, max' cable size: 1 x 4mm<sup>2</sup> or 2 x 2.5mm<sup>2</sup> per circuit

iCANnet™ network cable size: 5 x 1mm<sup>2</sup>

Audio Visual Port: RS485 2 x 1mm<sup>2</sup>

Panic/fire alarm input: 2 x 1mm<sup>2</sup>

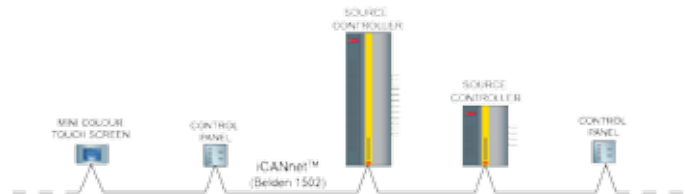
Memory:

FLASH memory to be able to upgrade firmware

EEPROM for 128 scene memory

Other Switched Relay Controllers: SCS0410, SCS1210, SCS1220, SCMS0410 and the SCMS0810.

## Typical Schematic



## Contact your local Eaton office

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