



SCH1200T

12 Channel HF Ballast Controller

Key Features

- 12 channel device
- DSI and DALI ballasts
- 1-10 volt (control only)
- 128 scene memory
- Fail to full safety feature
- iLight iCAN network inputs
- Audio Visual Port (RS485)
- Panic/Fire alarm input
- 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 highly cost effective compact source controller is a 12 channel device specifically designed for low voltage control of fluorescent ballasts. It provides 12 channels of scene set dimming. This unit may also be configured to provide 1-10 volt control for analogue devices or DSI or broadcast DALI ballast control.

In addition to the iLight iCAN network connectivity, it also has an audio visual port and a panic/fire alarm input. It is typically used in open plan office areas, or where large numbers of HF ballasts are under central control. They can be used "stand alone" or as part of a comprehensive network in large building complexes.



Mechanical

Weight: 3kg

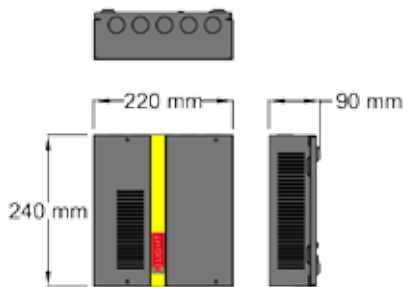
UK Version - Mains Cable Access:
2 x 25mm and 2 x PG16 knockouts

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 the programming iCANnet™ network
One set of terminals for the Audio Visual Port, RS485
One set of terminals for the panic/fire alarm input

Dimensions



Electrical

Maximum Load: There is no load control. Power switching is achieved by the DSI / DALI ballasts themselves.

Maximum Channel Current: Not applicable

Supply: 1 x 230 volts +/- 10% 50/60 Hz

Protection: 20mm fuse

Load Types:

Tridonic DSI HF Fluorescent Ballast, 64 per channel, 128 per unit
DALI HF Fluorescent Ballast (broadcast DALI only), 64 per channel, 128 per unit.

0-10 volt control (20K Ohm input)

1-10 volt, 100 per channel, 1200 per unit.

Dimmed Outputs:

12 x 1-10 volts at 0.1 amp sink current per channel or 12 x Tridonic DSI outputs (uses electronic power switching in ballasts) or 12 x 0-10 volts output (20mA source max) or 12 x DALI outputs (uses electronic power switching in ballasts)

The output types above are selectable within iCANedit for each circuit

Switched Outputs: None

Terminal Sizes:

Incoming supply, max' cable size: 2.5mm²

Ballast output, max' cable size: 12 pairs 2.5mm²

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

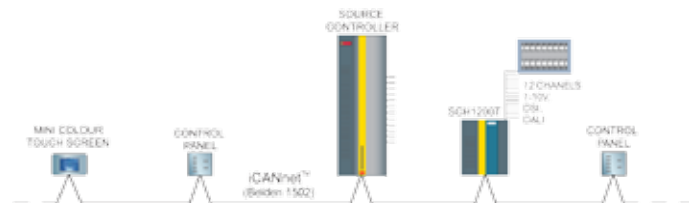
EEPROM for 128 scene memory

Fade Times: 0.1 seconds to 60 minutes

Mains Stabilisation: 50:1

Other HF Ballast controllers: SCH0410, SCH1210, SCH1220, SCM0410.

Typical Schematic



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Document No: SCH1200T Rev7 0318

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