C-Bus®

CLIPSAL
LIVING ELECTRICAL

L5508D1A Series

The L5508D1A DIN Rail Series Dimmers are C-Bus® output units suitable for dimming incandescent and low voltage lighting. For ease of installation the units are DIN rail mounted measuring 12M wide.

All units in the series incorporate the C-Bus® 'Learn Mode' feature. Learn mode allows the units to be programmed without the need for a PC connected to the system. Alternatively, the units can be programmed via a PC using the installation software.

The dimmers feature eight leading edge phase controlled dimming channels. Each channel has a load rating of 1 Amp, capable of controlling incandescent lighting and low voltage lighting (utilizing iron-core transformers and electronic transformers compatible with leading edge dimmers).

C-Bus® connections are conveniently achieved at the unit through the use of RJ45 connectors, allowing similar units to be quickly looped together.

During normal operation the units consume no current from the C-Bus® network.

Two variants of the product are available. One incorporates a 200mA C-Bus® power supply used to source current to the C-Bus® network. The other is an economical model with the same features and performance, but does not include the 200mA power supply.

This series of units are capable of generating a C-Bus® clock signal and providing a C-Bus® network burden. Both the clock signal and the burden are selectable through the C-Bus® Installation software.

Local toggle buttons have been included to allow individual channels to be toggled at each unit as well as via C-Bus® commands. Remote ON and OFF facilities are available, permitting all channels to be turned on ON and OFF without C-Bus® Network communication.

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C-Bus
Control and Management System

L5508D1A Series C-Bus® Dimmer Modules

- Provides eight leading edge phase controlled dimming channels in a 12M wide DIN rail enclosure

- Load rating of 8 channels x 1 Amp

- Capable of controlling incandescent lighting and low volt-age lighting utilizing iron-core transformers and electronic transformers compatible with leading edge dimmers

- A special algorithm ensures that lights do not flicker due to signal injections on the mains

- Each channel incorporates thermal overload and overcurrent protection

- Incorporates a linear brightness control, which ensures the change in brightness is uniform throughout the control range

- Incorporates a Soft Turn ON and Soft Turn OFF feature, providing a soft change in brightness

- Units available both with and without an inbuilt 200mA C-Bus® power supply

- Up to 100 units without power supply or 10 units with power supply are permitted on any one single C-Bus® network (255 networks available in a C-Bus® installation)

- Configured via either the C-Bus® Installation Software or via the Learn Enabled Features

- Local ON/OFF toggle buttons allow individual channels to be manually overridden at each unit

- Remote ON and OFF facility permits all channels to be turned ON or OFF without C-Bus® network communication

- Incorporates C-Bus® Network Status, Mains Power Status and Load Status indicators

- Capable of generating a C-Bus® clock signal if enabled

- A network burden is incorporated and is software selectable

- Designed to meet Australian and European standards for EMC Compliance and Safety

- Capable of being programmed via the installation software without the need for a mains connection

- Draws 18mA when being programmed and no mains connection is made

- An inbuilt non-volatile memory retains programmed information relating to the current operating status of the unit in the event of a power failure

- Communication with other C-Bus® devices and the supply voltage is obtained via a single C-Bus® twisted pair cable

- Electrical isolation between the safe extra low voltage C-Bus® side and the mains voltage output side is provided to main-tain safety requirements

- Dimensions: H = 85mm, W = 215mm, D = 65mm.

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