C-Bus®

C-Bus® 2-Channel DALI Interface DIN Rail Series

II CLIPSAL®
LIVING ELECTRICAL

5502DAL

The 5502DAL C-Bus® DALI Interface unit is a C-Bus® system support device designed to provide an isolated communications path between a C-Bus® Network and two DALI Networks. For ease of installation the unit is DIN rail mounted, measuring 4M wide (1M = 17.5 +0.5/-0.0 mm).

The DALI Interface provides two-way communication, i.e. selected C-Bus® messages are routed to an appropriate DALI Network, and DALI lighting messages are routed to the C-Bus® Network.

The DALI Interface constantly monitors both DALI Networks. It is capable of detecting and reporting faulty lamps in fluorescent ballasts or failed DALI units to C-Bus®.

Each DALI Network can have up to 64 addressable DALI devices, such as fluorescent ballasts and low voltage transformers. The DALI Interface does not have its own DALI addresses, i.e. it is transparent and is not "visible" for other DALI devices.

The DALI Interface product incorporates a C-Bus® PC Interface Module for communications to the C-Bus® Network. Programming of the C-Bus® side of the Network Interface can be done in the same manner as programming a standard PC Interface.

clipsal.com/cis

II CLIPSAL®
C-Bus®
Control and Management System

5502DAL C-Bus® DALI Interface Module

- Provides an isolated communications path between a C-Bus® Network and two DALI Networks

- DIN rail mounted, measuring 4M wide (1M = 17.5 +0.5/-0.0 mm)

- Provides two-way communication, i.e. selected C-Bus® messages are routed to an appropriate DALI Network, and DALI lightning messages are routed to the C-Bus® Network

- Constantly monitors both DALI Networks

- Capable of detecting and reporting to C-Bus® faulty lamps in fluorescent ballasts or failed DALI units

- Incorporates a C-Bus® PC Interface Module for communications to the C-Bus® Network

- Programming of the C-Bus® side of the Network Interface can be done in the same manner as programming a standard PC Interface

- In normal operation, the unit draws 32mA from the C-Bus® Network

- Contains a pre-programmed C-Bus® to DALI and DALI to C-Bus® addressing structure

- Consumes 32mA from the C-Bus® network during normal operation

- C-Bus® connections via 2 x RJ45 connectors, allowing similar units to be quickly looped together

- Capable of generating a C-Bus® clock signal and providing a C-Bus network burden. Selectable through the C-Bus® Installation software

- Incorporates a C-Bus® and Unit indicator, showing the status of the C-Bus® Network and the status of the individual unit

- Incorporates an onboard non-volatile memory, which is used to store the operating state of the unit in the case of a power loss

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

- A maximum of 50 units may be connected to a single C-Bus® network

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

- Supplied with a 300mm C-Bus® Category 5 patch lead complete with pre-terminated RJ45 connectors

- The output terminals accommodate 2 x 1.5mm^2 or 1 x 2.5mm^2 cable

- EMC Compliant to meet the requirements for marking with the CE and C-Tick marks

- Dimensions: W=72mm, H=85mm, D=65mm

- Weight: 130g.

Note: Clipsal Integrated Systems does not manufacture DALI units, power supplies, commissioning software or any other product or service associated with DALI aside from the DALI Interface itself.

Check individual DALI component requirements.

Patented