

LCMD-1000

10 Port Auto Addressing DALI-2 Lighting Control Module

Key Features

- 10 auto addressing DALI ports
- Supports iLight DALI inputs, control plates and sensors
- Supports DALI Type 8 tuneable white
- Full DALI feedback for lamp status, DALI error and EM test
- Emergency testing of DALI luminaires
- Low profile, ideal for ceiling voids with limited space (Approximately 105mm depth, subject to cable type)
- CE & UKCA compliant to all relevant standards
- Designed and manufactured to ISO9001 standard

Overview

Intelligent DALI-2 pluggable lighting control module with 10 auto addressing DALI outputs. A maximum of 30 DALI luminaires (or short addresses) can be connected per LCMD-1000, distributed at will across the 10 ports. In addition, each port supports 1 DALI Emergency Luminaire, 1 DIU-4 or DALI Control Plate and 1 DALI Sensor.

DALI Luminaires, inputs, control plates and sensors are auto discovered eliminating the time consuming identification process normally associated with DALI systems.

With 'out of the box' functionality, LCMD-1000 auto addresses and groups the DALI devices with a default configuration as soon as power is provided. The system is then fully operational with sensors and control plates, removing the need for a commissioning engineer at startup. Should a connected device require replacement, the LCMD-1000 will address the device upon connection and the system will 'self heal' requiring no intervention from a commissioning engineer.

While the LCMD-1000 is shipped by default as a 10 port self addressing DALI LCM, it can be configured at the point of commissioning as a single line, fully addressable DALI controller. This provides for more complex applications or where a single port needs to serve more than one group of luminaires.

DALI emergency luminaire testing is supported in addition to standard DALI faults including lamp, communication and driver failures.

The low profile design of the LCMD-1000 is ideal for low ceiling voids or mounting directly on cable tray.



Mechanical Data

Dimensions: 200.2mm (w) x 382.8mm (h) x 57.5mm (d)

Maximum diameter of fixings: 6mm

Weight: 2.5 kg

Operating temperature: +2°C to +50°C

Max storage temperature: +60°C

Humidity: +5 to 95% non-condensing

Environmental protection: IP20

Electrical Data

Supply: 230VAC +/- 10% 50-60Hz 0.2A Max

Load Protection: Provided by installer

Control Supply: 15V 100mA

Terminal Sizes (Capacity per terminal):

Supply/DALI screw terminals: 2x1mm² or 1x 2.5mm²

Input screw terminals: 0.2mm² to 1mm²

iCANnet™ input/output screw terminals: 5 x 1mm²

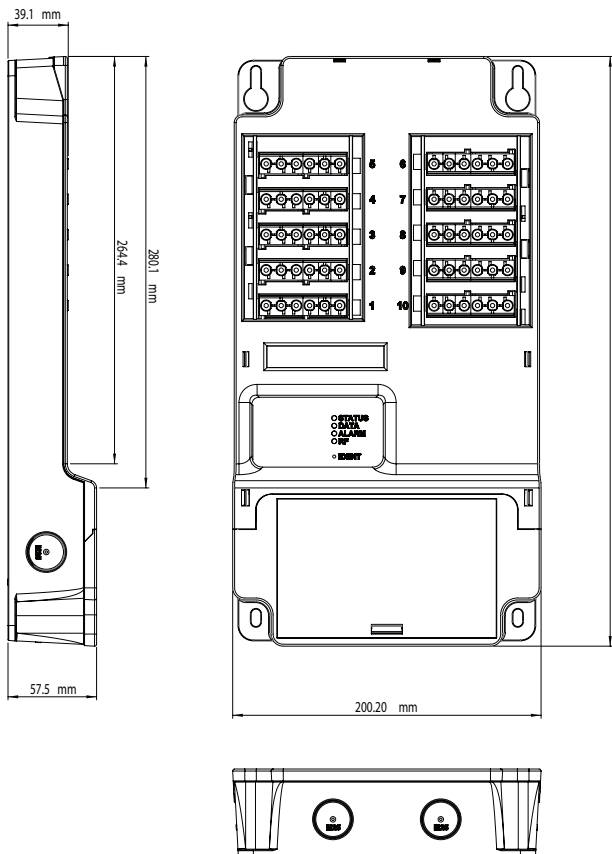
Terminal Torque Settings:

Supply, input, iCANnet terminals: 0.5Nm

Input Cable (VFC) Length: 30m MAX

Installation: Installation must be carried out by a suitably qualified

Dimensions



Load Data

DALI line outputs: Nominal 14V, max current 250mA supply per DALI line output. Guaranteed minimum current 195mA

Automatic shut-down and restart after short-circuit (maximum 1 per bus) according to IEC 62386 Part 101

DALI Compliance: DALI-2 Application controller (Multi Master) IEC 62386 Part 101

Supports: Part 201 to 208, 209 partial.

See DALI Alliance (DiiA) website for full list of supported parts at www.dali-alliance.org/products

Maximum devices: While the LCDM-1000 will support up to and including the numbers of devices stated in this document (DALI output/inputs) there may be limitations, based on the available current. Please refer to iLight support for our DALI line current calculator.

DALI Device Capacity

10 ports with 6 pole GST/18 connectors

Max 30 DALI luminaires (or short addresses) distributed at will across 10 ports

In addition: 1 DALI sensor per port,
1 DALI control plate or DIU-4 per port
1 DALI emergency luminaire per port

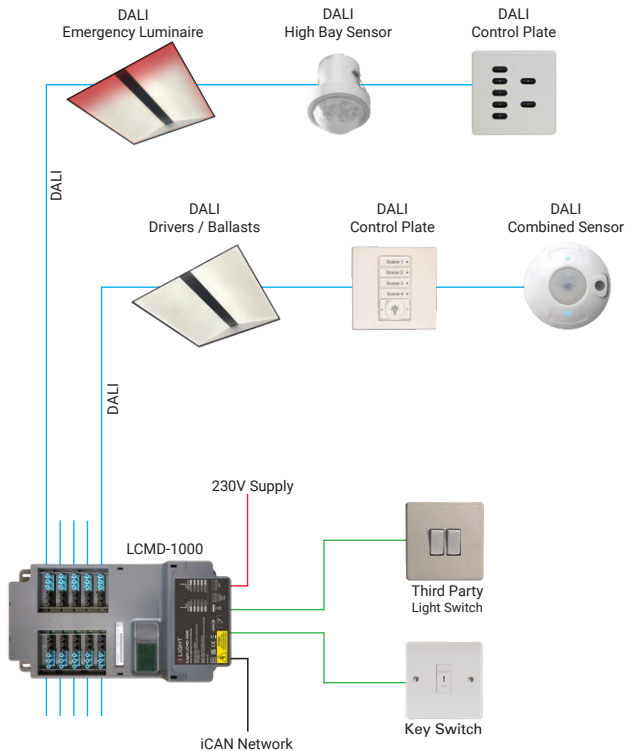
Control Data

Control: Via iLight network connection

Recommended Network Cable: iCANnet™ Network Cable

Programming: Via iLight commissioning tool

Typical Schematic



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