



LCMD-10

10 Port Self Addressing DALI Lighting Control Module

Key Features

- 10 auto addressing DALI ports with Relay switch output and maintained supply
- Supports iLight DALI inputs, control plates and sensors
- Supports DALI Type 8 tuneable white
- Low profile, ideal for ceiling voids with limited space (Approximately 105mm depth, subject to cable type)
- Full DALI feedback for lamp status, DALI error and EM test
- Emergency testing of DALI and conventional luminaires
- CE compliant to all relevant standards
- Designed and manufactured to ISO9001:2015 standards

Overview

Intelligent pluggable lighting control module with 10 auto addressing DALI outputs. A maximum of 30 DALI luminaires (or short addresses) can be connected per LCMD-10, distributed at will across the 10 ports. In addition, each port supports 1 DALI Emergency Luminaire, 1 DALI IU or DALI Keypad 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, the LCM 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-10 will address the device upon connection and the system will 'self heal' requiring no intervention from a commissioning engineer.

Where connection is to a DALI emergency inverter using the extended DALI emergency protocol, monitoring of lamp failure, battery failure, driver failure and emergency reporting is also available.

The low profile design of the LCMD-10 is ideal for low ceiling voids or mounting directly on cable tray.



Mechanical Data

Fixings: 4 x 6mm keyhole slots

Suitable for cable tray fixings

Cable entry: 6 x 25mm knockouts

Large wiring compartment for ease of installation

Blue/black GST/18 plugs

Weight: 1.25 kg

Operating temperature: +2°C to +50°C

Max storage temperature: +60°C

Humidity: +5 to 95% non-condensing

Electrical Data

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

Terminals max. wire size: 4mm² loop in/out

Switch inputs: 4, configurable as break or make, max wire size 2.5mm²

iCANnet™ inputs/output: 5 pole Phoenix connector + 2 x RJ45

Internal DALI screw terminals: Max wire size 2.5mm²

Terminals max wire size: 1 x 2.5mm² or 2 x 1.5mm² per circuit

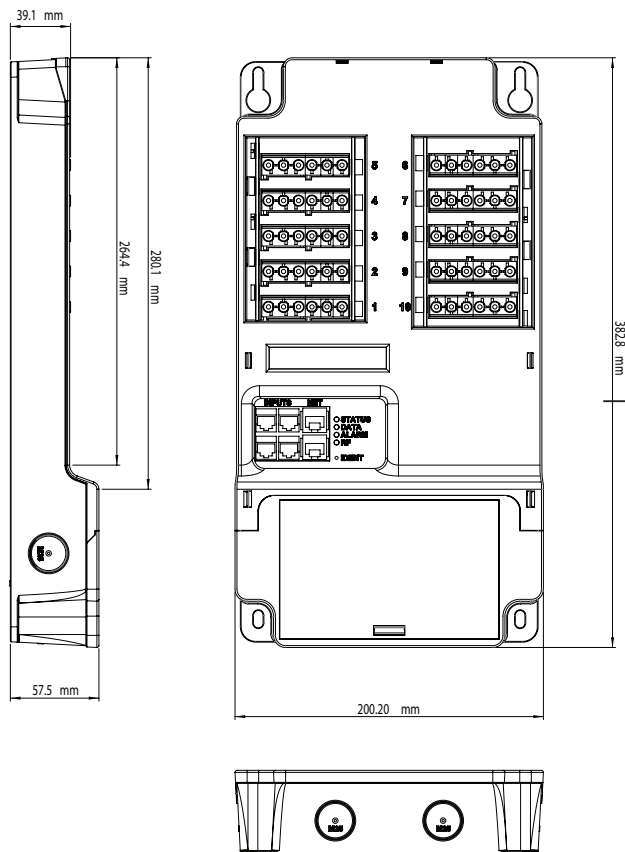
Protection: Provided by installer - Max 16A

DALI signal: Nominal 16V, max current 200mA supply.

Guaranteed minimum current 150mA

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

Dimensions



Inputs & Outputs

10 ports with 6 pole GST/18 connectors

4 x RJ12 analogue sensor inputs

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

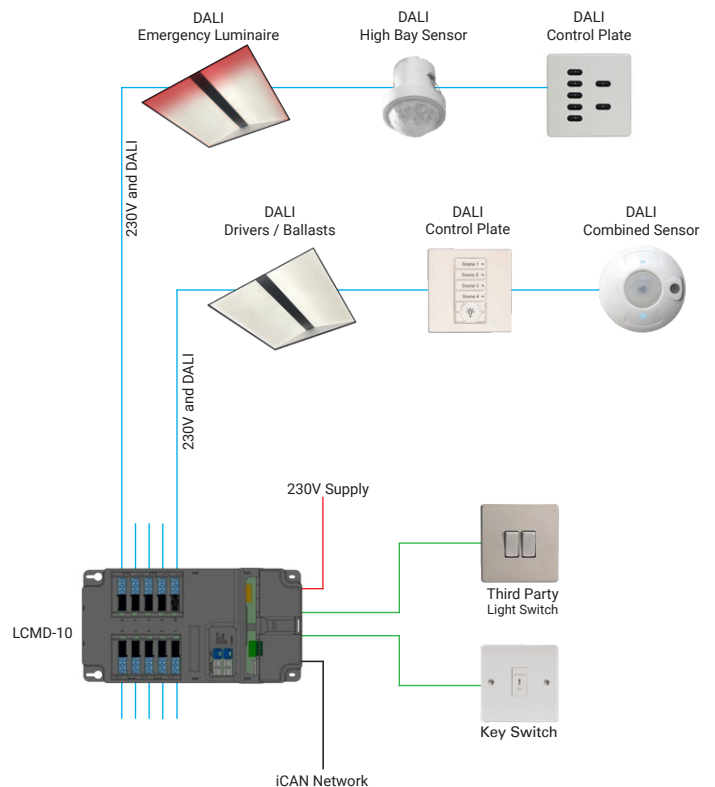
In addition:

- 1 DALI sensors per port
- 1 DALI control plate or DALI-I-U per port
- 1 DALI emergency luminaire per port

Max load 16 amps for switched luminaires

Connects directly to the iCANnet network via RJ45 sockets or via screw terminals

Typical Schematic



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