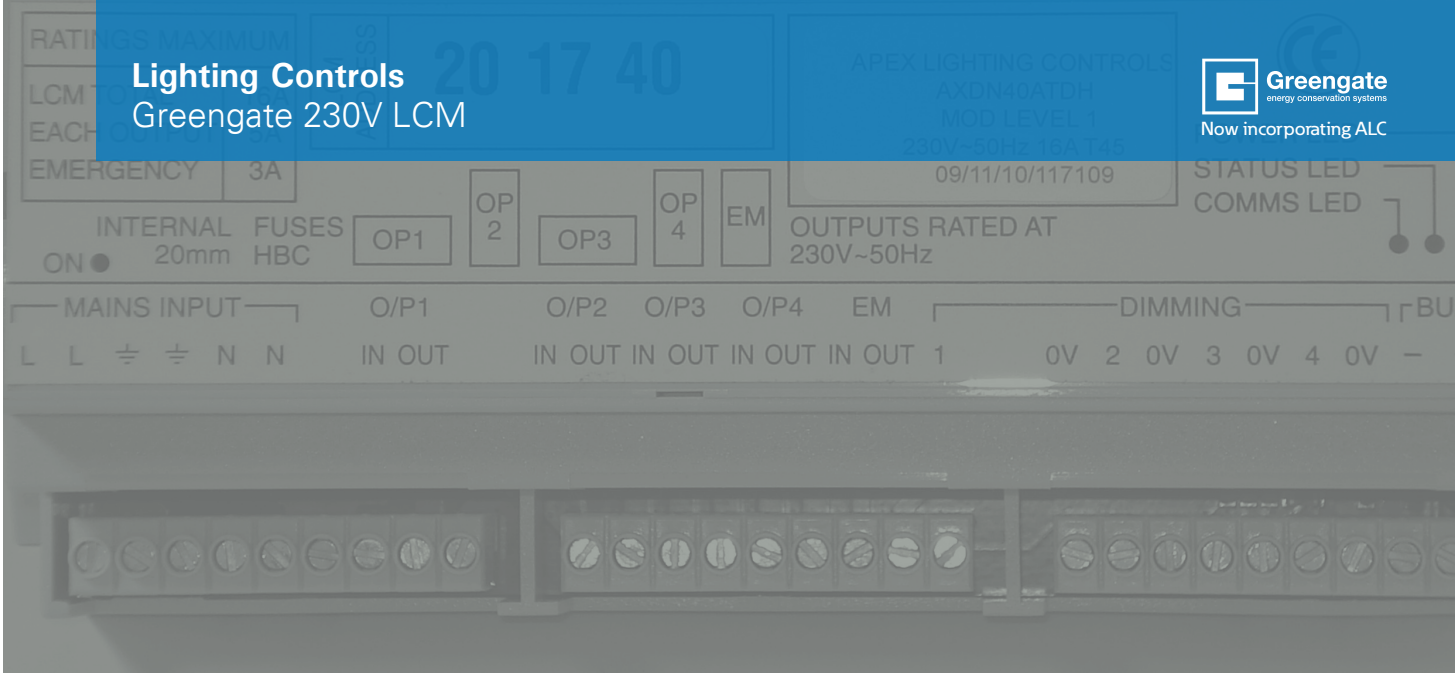
Greengate energy conservation systems
Now incorporating ALC



AXDN12DH

DINrail Addressable DALI Output, 1 Emergency, 2 Input LCM

Key Features

- Compact DIN rail design for installation in centralised panels or distributed enclosures.
- Software programmable (accommodates building tenant changes)
- Compatible with occupancy & absence sensing, daylight sensing and timed override for energy conservation and
- carbon reduction
- Single DALI output
- A single emergency output providing emergency lighting testing with optional feedback
- Multiple scene setting

Overview

DINrail mounting Fully Addressable DALI LCMs have a single DALI loop output, providing:

- Ballast detection
- Lamp error signal
- Sub-addressing capability
- Broadcast addressing capability
- Full digital control over the lighting range including off
- Fade processing support
- Ballast "Persistent Memory" programming

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

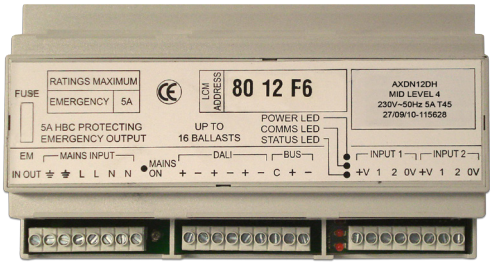
In addition 1 maintained output is provided for non DALI emergency lighting. These units also have 2 sensor/switch inputs as standard. These units also support up to 6 Spectrum DALI sensors

DINrail LCMs are ideal for use in areas where the electrical installation is fixed or where the use of centralised panels of controllers is appropriate. When used together with ALC Area Controllers, the units create a flexible, networked, lighting control solution. Groups of luminaires and sensors or switches may be created and then controlled on the basis of occupancy, daylight level or user override.

Each LCM is software upgradeable, no additional cards or equipment need be purchased.

This LCM may also be mounted in a steel enclosure (ordered separately) for mounting within a distributed LCM network. Order Code: MTG22DN1

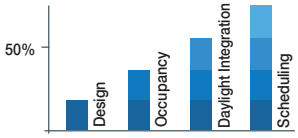
An additional 8 input DINrail mounting device is also available for expansion. Order Code: AXDN08SH



Code Compliance

- Improves BREEAM & LEED scoring for building sustainability.
- Contributes to energy reduction targets under Climate Change Levy (CCL) and Carbon Reduction Commitment (CRC).
- Qualifies for Enhanced Capital Allowance (ECA) applications.
- Delivers lighting control requirements under UK Building Regs - L2a & L2b and BRE: 498.

Achievable Energy Savings

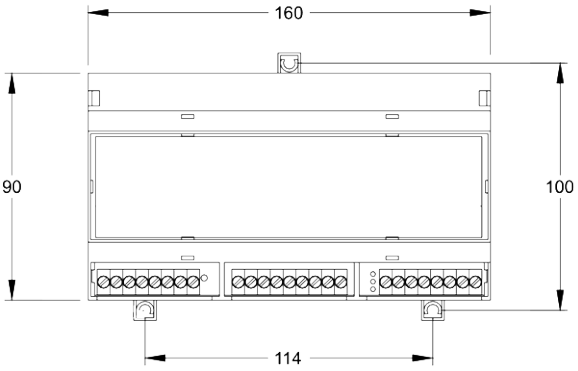


EATON
Powering Business Worldwide

Suitable For

Cellular office
Open plan office
School classroom
Lecture theatre
Consulting room
Meeting room
Hospital wards
Retail complex
Public library
Sports hall
Airport terminal
Factory production area
Workshops
Foyers & atriums
Corridor & staircases
Lift lobbies
Plant room
Storeroom

Dimensions



Additional Features

Internal LED Indicators
For ease of maintenance, showing network status and power supply status

Reduced Inrush
Two second delay time between individual outputs at power-up

Program Port
For software upgrade or introduction of bespoke program

Emergency Test
Options for mains failure simulation or emergency feedback (in conjunction with DALI emergency ballasts/inverters or optical current sensors). Tests may be zoned to the user's requirements and may be instigated from a PC, key switch (For mains failure simulation) or on a timed basis)

Technical Information

Construction: Plastic housing UL94 V0 rated
Dimensions: 160 x 90 x 58mm (L x W x H)*
Fixing: 35mm DINrail mounting or panel mount with 3 x 3.5mm diameter at centres 114 x 100mm (L x W)
Weight: 665g
Temperature: 0 to 45°C (non condensing)
Supply: 230V~AC 50Hz single phase
Max Emergency Load: 5A
Max LCM Input Load (Switch / Sensor Inputs): 20 mA
MAX DALI Sensors: 6

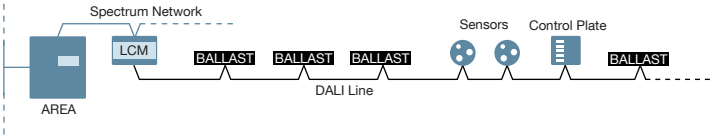
*An additional 8 input DINrail mounting device is also available for expansion.
Order Code: AXDN08SH

Device Loading

No. of Inputs	No. of Ballasts
0	64
1	61
2	58
3	55
4	52
5	49
6	46
7	43
8	40

Each LCM has a maximum of 8 inputs.
Combined Sensor (AXDS01SPL) requires: 1 Input
5 Button DALI Control Panel (AX-DSP5B) requires: 5 Inputs
7 Button DALI Control Panel (AX-DSP7B) requires: 6 Inputs

Duplicate Control Panels do not require additional inputs when wired in parallel.



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