DALI Zero Twelve module

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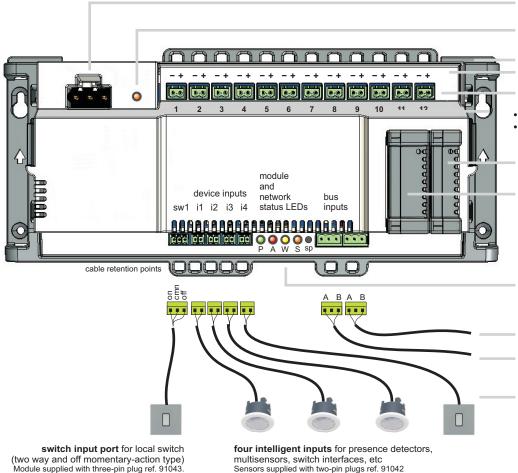
The module provides individual control and automatic addressing of twelve DALI lamps.

- 12 individually addressed DALI outputs
- individual DALI lamp and ballast failure monitoring
- individual DALI emergency light testing and monitoring
- total plug-in connectivity for speed and convenience
- 2-pin ports provide switched DALI pair to each lamp
- Dali without addressing feature avoids on-site addressing of ballasts
- reduces time and cost of commissioning and simplifies maintenance
- designed for single or two-fix installation via wall-mount or drop-rods

The module provides a DALI signal to each lamp while the mains supply is fed directly to the lamps and powers the module. Multiple power supplies to the lamps are possible but because DALI is not SELV they should be limited to single phase.



module features



plug-in mains input (plug supplied) to power module electronics

230V neon indicator

frame

clip in module

twelve Dali outputs to lamps

(and Dali emergency devices) via 2-pin ports:

- · Dali +
- Dali -

Ballasts do not require onsite addressing

plug-in Dali capsule

provides 12 individual Dali outputs

plug-in intelligent pod provides distributed intelligence. stores operational parameters and

enables seamless integration with other Lon devices

diagnostic LEDs and service pin Power LED indicates 240V present

Alert LED indicates fault condition Wink LED verifies comms - normally unlit Service LED flashes in fault mode Service Pin uploads module address

network Lon buswire

from router or previous module network Lon buswire to next module (two bus plugs supplied - plug ref. 91041)

input ports for presence detectors. multisensors & switch interfaces

module accepts the connection of: 4 addressable local switches 4 addressable PDs/multisensors

delmatic.com

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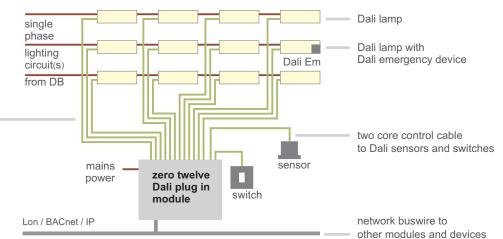
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connection details

Lighting circuit(s) wire direct to lamps from distribution board. Multiple circuits are possible but because DALI is not SELV should be limited to single phase.

2-core cable Dali +

Dali -



technical details

supply voltage

1 x 220-240V~ 50/60Hz single phase power supply protected by fused spur

outputs

mains supply to power lamps is wired direct from distribution board to lamps 12 Dali outputs (ports are pre-addressed so ballasts do not require on-site addressing)

Dali monitoring

Module monitors individual lamp/ballast failure on each of the twelve Dali outputs Module monitors individual Dali emergency lamp/device on each of the twelve Dali outputs

emergency monitoring

Dali emergency monitoring devices can be connected to the Dali bus from each port and are individually addressed for emergency test and monitoring purposes.

- 1 plug-in port (3-pin sw1) for connection of conventional monetary action switch
- 4 plug-in ports (2-pin i1-i4) for connection of Dali sensors & switches (max 1 sq.mm cable).

network Lon bus inputs

2 plug-in ports for twisted pair Lon network bus connection.

buswire specification

for latest buswire specifications refer to Buswire Specification data sheet

diagnostic LEDs

Neon - shows 240v present.

Power LED - shows secondary power circuit operational.

Alert LED - indicates short on the sensor bus or issue with Communication card.

Wink LED - winks when instructed through software

Service LED - indicates fault mode.

construction

flame-retardant low smoke moulded housing

ambient temperature / relative humidity

0 to +50°C / 20% to 90% non condensing

dimensions (mm)

345 w x 155 h x 60 d (100 mm depth including mains plug)

Lon specification



FT5000 Neuron and FTX3 transceiver conforms to LonMark 3.4 profiles:

4 switch objects #3200 4 light sensor objects # 1010 4 occupancy sensor objects # 1060 12 open-loop actuator objects # 0003 # 3071 4 occupancy controller objects 4 light controller objects # 3050

plug details

DALI output to lamps (plug supplied)

(Dali - and Dali +)



mains input to module (plug supplied) 3 pole female plug with locking device

(Live, Earth, Neutral)

