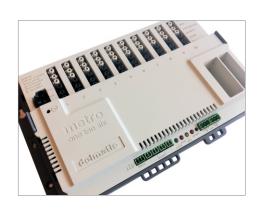
# DALI One Ten ZP module

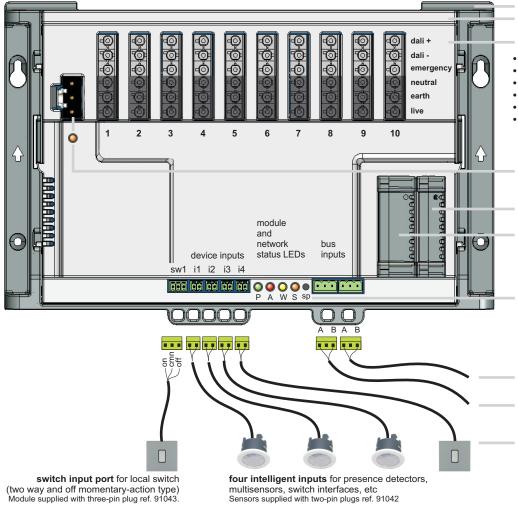
product ref: 201B1 sheet 1/2

The module provides individual control and automatic addressing of ten DALI lamps and contains ten switching relays for DALI Zero Power and control of non-Dali devices including fan-coils and blinds.

- 10 individually addressed DALI outputs
- 10 individually addressed 230V switched outputs via relays
- · individual DALI lamp and ballast failure monitoring
- individual DALI emergency light testing and monitoring
- energy-efficient Dali Zero Power avoids standby energy consumption
- total plug-in connectivity for speed and convenience
- 6-pin ports provide switched 230V & 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



## module features



frame clip in module

ten switched and Dali outputs to lamps via 6-pin ports each providing:

- Dali +
- Dali -
- Switched Emergency Live (via E-test relay)
- Neutral
- Earth
- Switched Live (for Dali Zero Power or control of non-Dali devices, eg. fan-coils, blinds)

Ballasts do not require onsite addressing

**plug-in mains input** (plug supplied) to feed lamps and module electronics

**Dali capsule** (80-004) provides 10 Dali pre-addressed outputs

plug-in intelligent pod (80-003) intelligent capsule 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 & switches

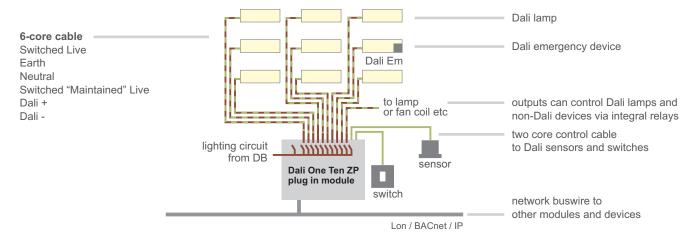
module accepts the connection of: 4 addressable local switches 4 addressable presence detectors and multisensors

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# DALI One Ten ZP module

product ref: 201B1 sheet 2/2

#### connection details



#### technical details

### supply voltage

1 x 220-240V~ 50/60Hz single phase 10A lighting circuit protected by 10A MCB

#### outputs

10 Dali outputs (ports are pre-addressed so ballasts do not require on-site addressing)

10 switched outputs (10A resistive, 3A inductive)

1 switched emergency test output for "maintained" live to all ports

### Dali monitoring

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

### local switch inputs

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 210 h x 55 d (excludes plugs) and 100 mm depth including capsule & plugs

## Lon specification



FT5000 Neuron and FTX3 transceiver conforms to LonMark 3.4 profiles:

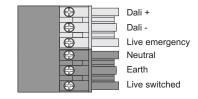
4 switch objects #3200 4 light sensor objects # 1010 4 occupancy sensor objects # 1060 12 open-loop actuator objects # 0003 # 3071 4 occupancy controller objects 4 light controller objects # 3050

## plug details

#### output to lamps

6 pole connector without locking device Wieland ref: 34.362.0211.1

Switched Live, Earth, Neutral, Switched Emergency Live, Dali +, Dali



## mains input to module (plug supplied) 3 pole female plug with locking device (Live, Earth, Neutral)

