

delmatic metro Dali plug-in one ten six module



The **Dali plug-in** module provides individual control of ten Dali luminaires and **requires no addressing of the Dali ballasts on site.**

The module provides powerful and flexible Dali control, total plug-in connectivity, distributed intelligence, and incorporates Lon technology for seamless interoperability with other Lon building services.

The module is equipped with ten individually addressed relays which save energy by switching off power to the ballasts at 0% output (avoiding wasteful standby power consumption) and also allow control of non-Dali light sources.

The **metro one ten six** enables single or two-fix installation. A robust frame, designed for screw or drop-rod mounting, accepts a clip-in module with ports for the plug-in connection of incoming mains, luminaire outputs, buswire & control devices. The module accepts the plug-in connection of multisensors, presence detectors and switches.



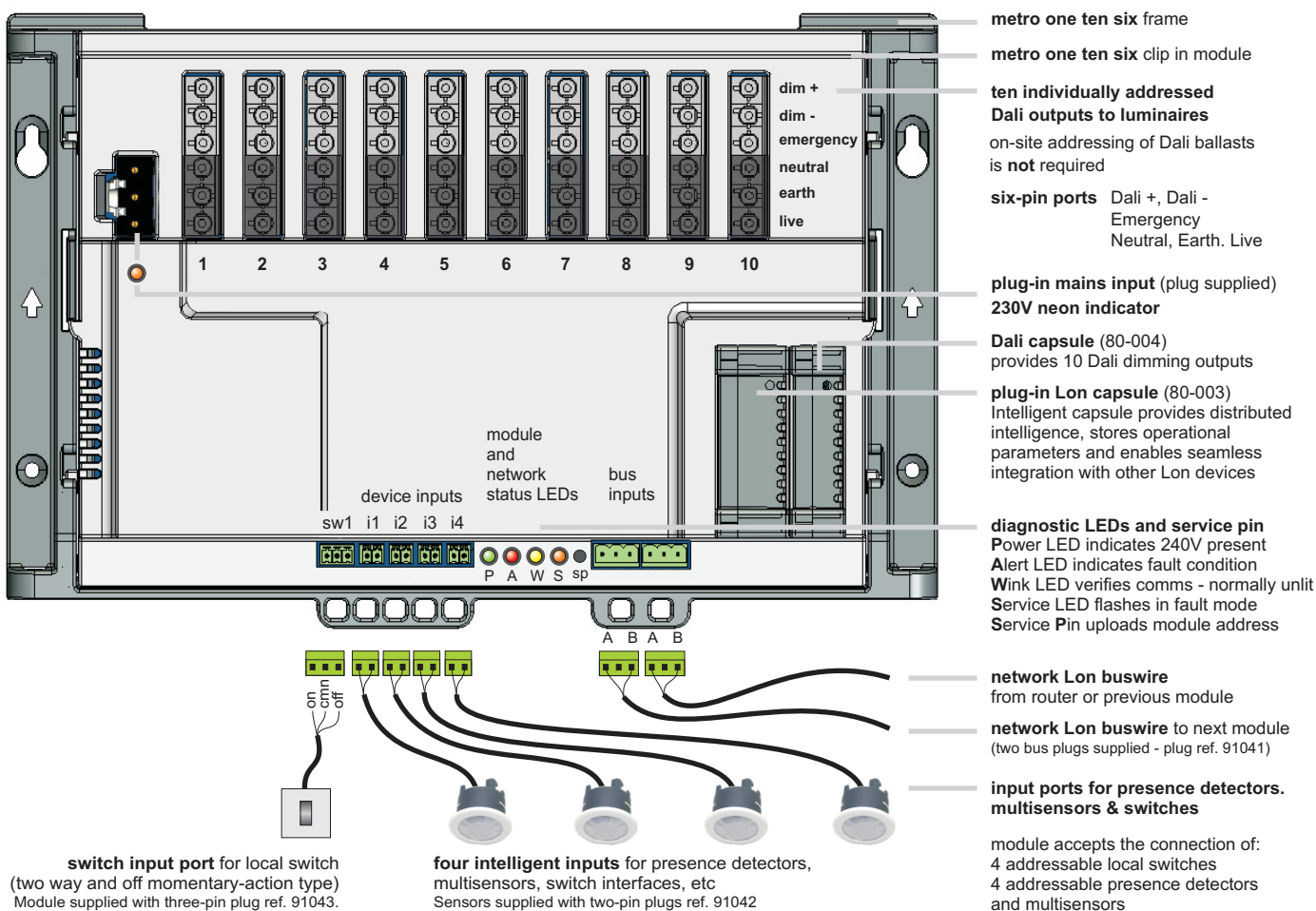
■ **metro Dali plug-in one ten six**
product ref: 201B1

benefits of the Dali plug-in one ten six

The **Dali plug-in** module offers a number of benefits:

- reduces the time and cost of commissioning by using pre-addressed ports which avoid the need to address Dali ballasts on-site.
- enables ballast replacement without the need to assign an address so simplifying maintenance.
- saves energy by switching off power to ballasts at 0% output so avoiding standby power consumption.
- enables the connection & control of non-Dali sources including tungsten lamps, fan-coils etc.

module features



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mounting details

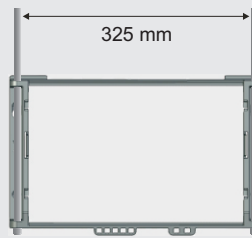
The **metro one ten** is designed for single or two-fix installation. The unit comprises:

- a robust frame fixed on drop rods or via screws
- a snap-in module.

mount the frame with the arrow pointing up

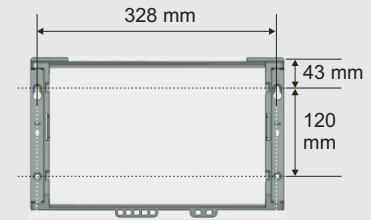
drop-rod mounting

8mm drop-rods at 325mm centres



screw mounting

4 M5 screws at 328 x 120mm centres



technical details

supply

1 x 220-240V~ 50/60Hz single phase 10A lighting circuit protected by 10A MCB (3 pin plug-in connector supplied)

Dali outputs

10 Dali dimming outputs.

Dali ballasts are auto-addressed and do not require on-site addressing

Module provides lamp/ballast failure per Dali output.

Dali emergency devices connect to the Dali bus from the luminaire port

switched 230V outputs

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

1 emergency test output

local switch inputs

1 plug-in port (three-pin - sw1) for connection of conventional monetary action switch.

4 plug-in ports (two-pin - i1-i4) for connection of smart / Dali presence detectors, multisensors and scene-set devices: plug-in terminal block accepts max 1 sq.mm cable.

network Lon bus inputs

2 plug-in ports for twisted pair Lon network bus connection (max 1.5 sq.mm cable).

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.

buswire specification

330 V rms - twisted pair Belden 7701NH unshielded 22 AWG stranded.

600 V rms - twisted pair Belcom 4001P22S54LSZH unshielded 22 AWG solid.

dimensions (mm)

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

construction

flame-retardant low smoke moulded housing

ambient temperature / relative humidity

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



Lon specifications

Echelon LonWorks FT 5000 Smart Transceiver
FTX3 free topology communications transformer
64k EEPROM

Conforms to LonMark 3.4 guidelines and profiles

4 switch objects #3200

4 light sensor objects #1010

4 occupancy sensor objects #1060

10 open loop actuator objects #0003

4 occupancy controller objects #3071

4 light controller objects #3050

plug details

mains input to module (plug supplied)

(Live, Earth, Neutral)

3 pole female plug with locking device



output to dimmed & emergency luminaires

(Live, Earth, Neutral, Emergency L, Dim -, Dim +)

6 pole without locking device

Wieland ref: 34.362.0211.1

