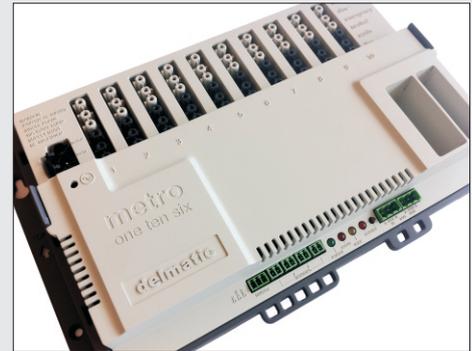


# delmatic metro one ten six plug-in module

The **metro one ten six** provides powerful and flexible control of lighting, 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 providing independent switching of up to ten outputs plus an emergency test output. Dimming modules provide analogue or Dali dimming while switching modules may be upgraded to dimming by inserting a dimming capsule.

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, switched & dimmed luminaire outputs, buswire & control devices. The module accepts the plug-in connection of multisensors, presence detectors and switches.



## ■ metro one ten six switching

product ref: **201A1**

Dali plug-in module also available - ref 201B1  
see separate data sheet

## ■ analogue upgrade capsule

product ref: **80-005**

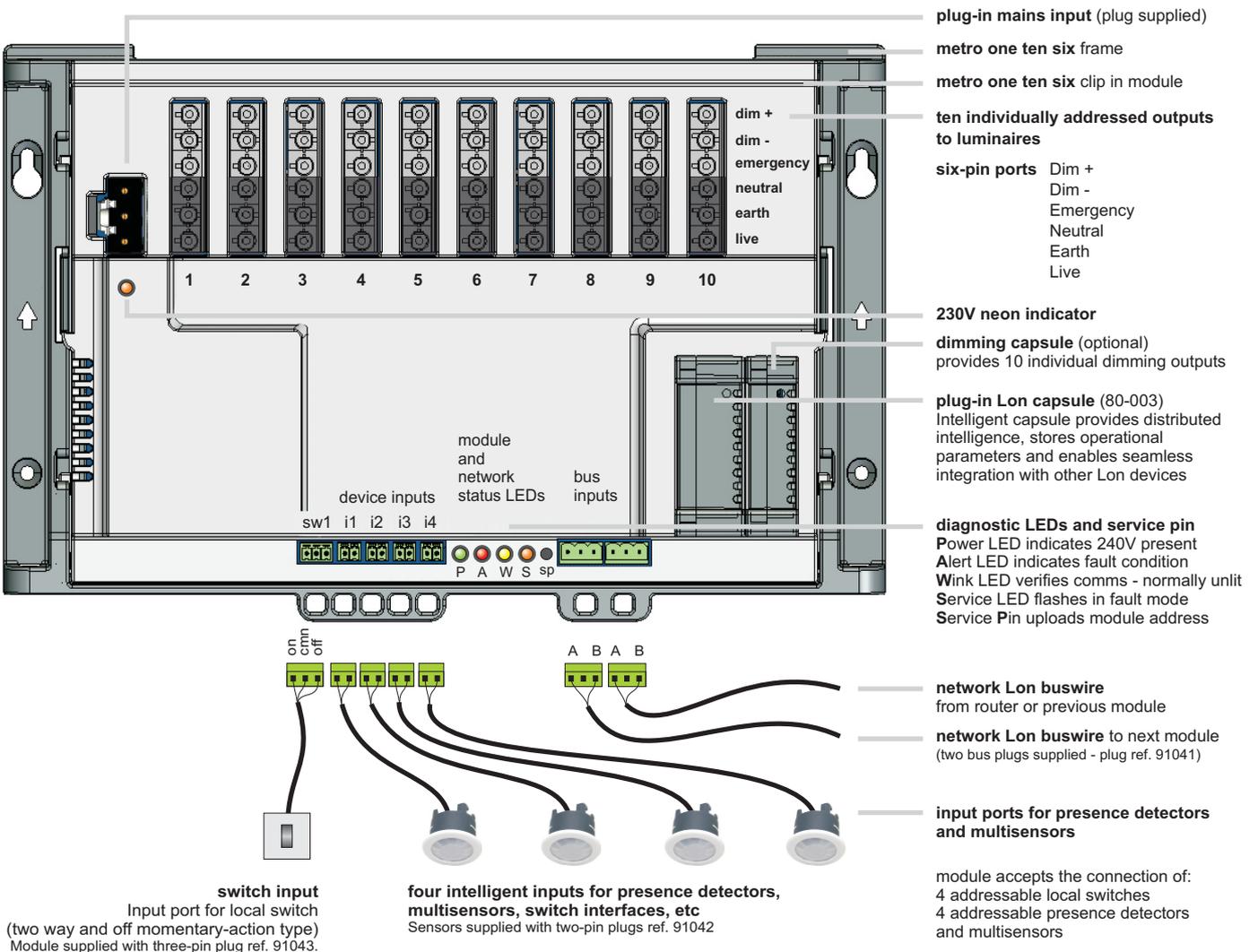
provides ten 1-10V outputs

## ■ digital upgrade capsule

product ref: **80-004**

provides ten DSI / Dali outputs

## module features



# delmatic metro one ten six plug-in module

## mounting details

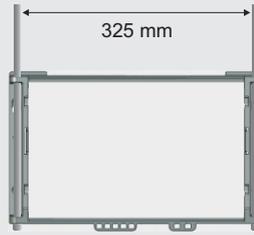
The **metro one ten** is designed for single or two-fix installation. The unit comprises:

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

**mount the frame with the arrow pointing up**

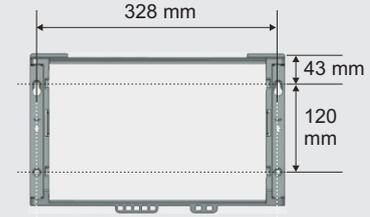
### drop-rod mounting

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)

### switched 230V outputs

10 individually switched outputs (10A resistive, 3A inductive)  
1 emergency test output

### dimming outputs (with optional plug-in dimming capsule)

Analogue Upgrade Capsule (80-005) provides ten analogue 1-10V dimming outputs.

Digital Upgrade Capsule (80-004) provides ten DSI / Dali dimming outputs.

Dali ballasts do **not** require on-site addressing and module provides lamp/ballast failure per Dali output.

Dali emergency devices connect to the Dali bus from the luminaire port (requires Digital Capsule)

### 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 switched luminaires

(Live, Earth and Neutral)

3 pole plug without locking device

Wieland ref: 92.932.3053.1

### output to dimmed & emergency luminaires

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

6 pole without locking device

Wieland ref: 34.362.0211.1

