

The Twelve Twelve DIN module provides powerful addressable control of twelve 20A switched outputs with dimming upgrade paths.

- 12 individually addressed 20A switched outputs
- 12 mechanically latched switching relays
- accepts up to twelve incoming lighting circuits
- integrated manual override switches for each output
- accepts connection of DALI sensors and switches
- accepts plug-in upgrade for DALI dimming
- compact DIN mounted unit
- real-time incoming lighting circuit failure monitoring and detection
- real-time 230V output monitoring and detection for true status



module features

Twelve Twelve DIN module hosts distributed intelligence, stores module operational parameters and enables seamless integration with other LON and BACnet devices

mains termination zone for connection of incoming Circuit Lives from MCB, outgoing Switched Live outputs plus terminals for module reference Neutral & Earth connections

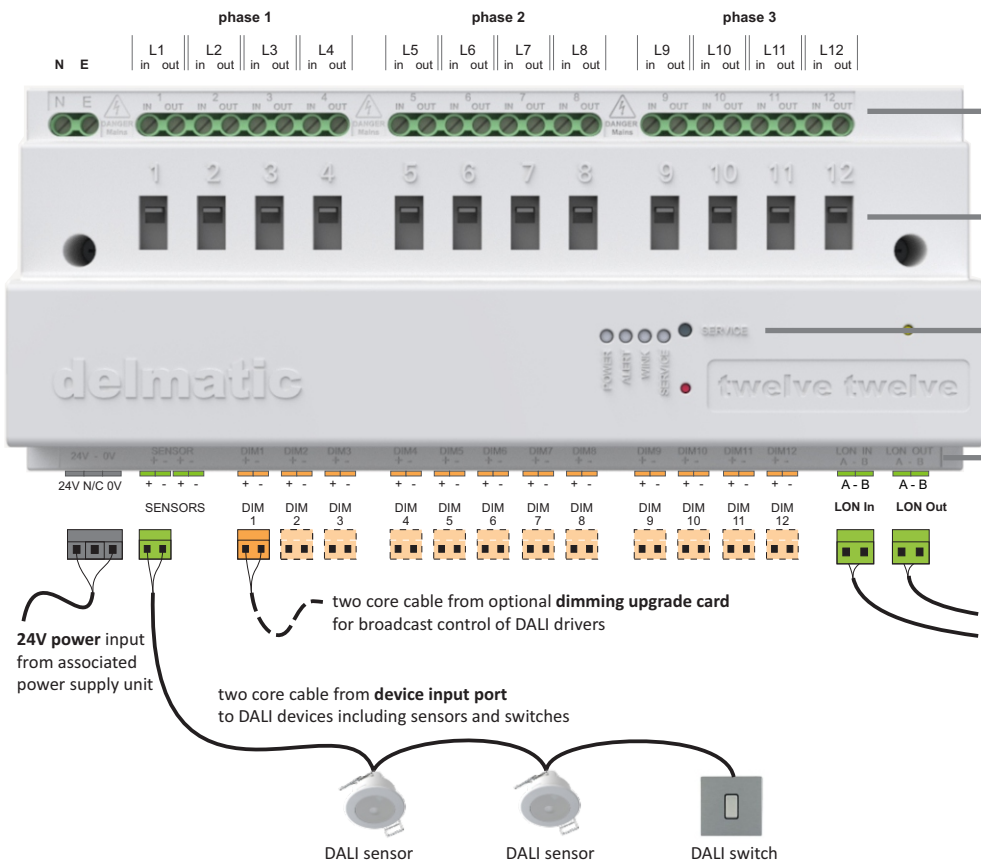
twelve 20A mechanically-latched relays with on/off indication and manual override - in the event of electronics failure, relays maintain their last state and may be manually overridden on/off

diagnostic LEDs
Power, Alert, Wink, Service & Service Pin

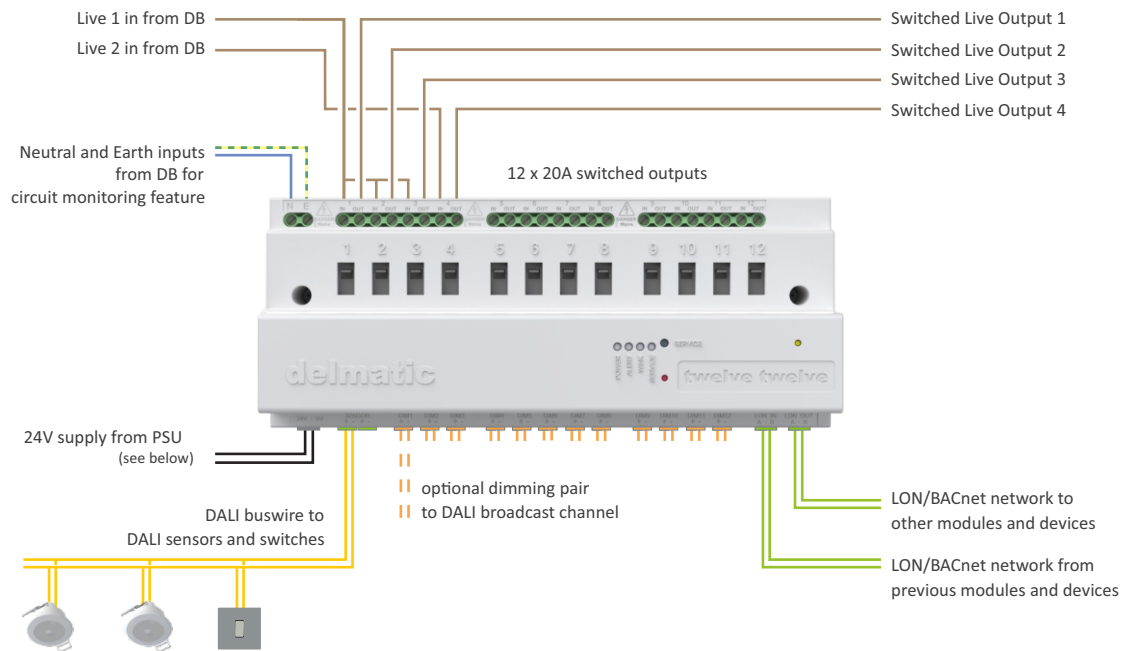
ELV termination zone for connection of Lon network, intelligent DALI sensors / switches and upgrade option DALI broadcast channels

network Lon buswire to next module
network Lon buswire from router or previous module

twisted pair cable
(see Delmatic Buswire Specification sheet for details)



connection details



technical details

outputs

12 Switched outputs 220-240V~50/60 Hz x 20 Amp single / three phase circuits controlled via mechanically latched relays: terminals accept 2 x 4 sq.mm cables

monitoring - 230V

Module monitors incoming 230V lighting circuit for failure monitoring and detection (new 2018 version feature)
 Modules monitors outgoing 230V output for true output status detection (new 2018 version feature)

local control devices

Module incorporates input ports for intelligent devices. DALI sensors and switches connected to these ports can be configured to control lamps across multiple switched outputs.
 DALI device input port accepts connection of up to 16 DALI switches/sensors.
 (max 1 sq.mm cable with maximum 100m length).

network Lon bus inputs

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

buswire specification

for latest buswire specifications and cable lengths refer to Buswire Specification data sheet

diagnostic LEDs

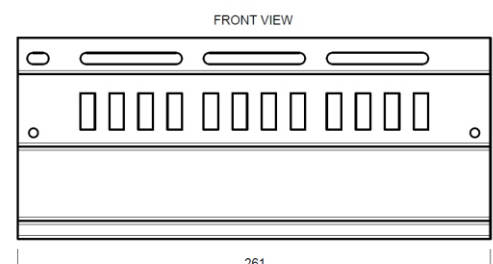
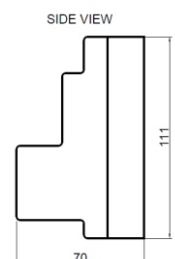
Power LED - shows secondary power circuit operational.
 Alert LED - indicates short on the sensor bus or issue with Communication card.
 Wink LED - winks when instructed through software
 Service LED - indicates fault mode.

ambient temperature / relative humidity

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

construction

flame-retardant low smoke housing



dimensions (mm)

261 mm (w) x 111 mm (h) x 70 mm (d)

metal enclosure dimensions (mm)

330 mm (w) x 191 mm (h) x 115 mm (d)

DIN rail mounted power supply

PSU dimensions 40 mm (w) 90 mm (h) x 100 mm (d)