

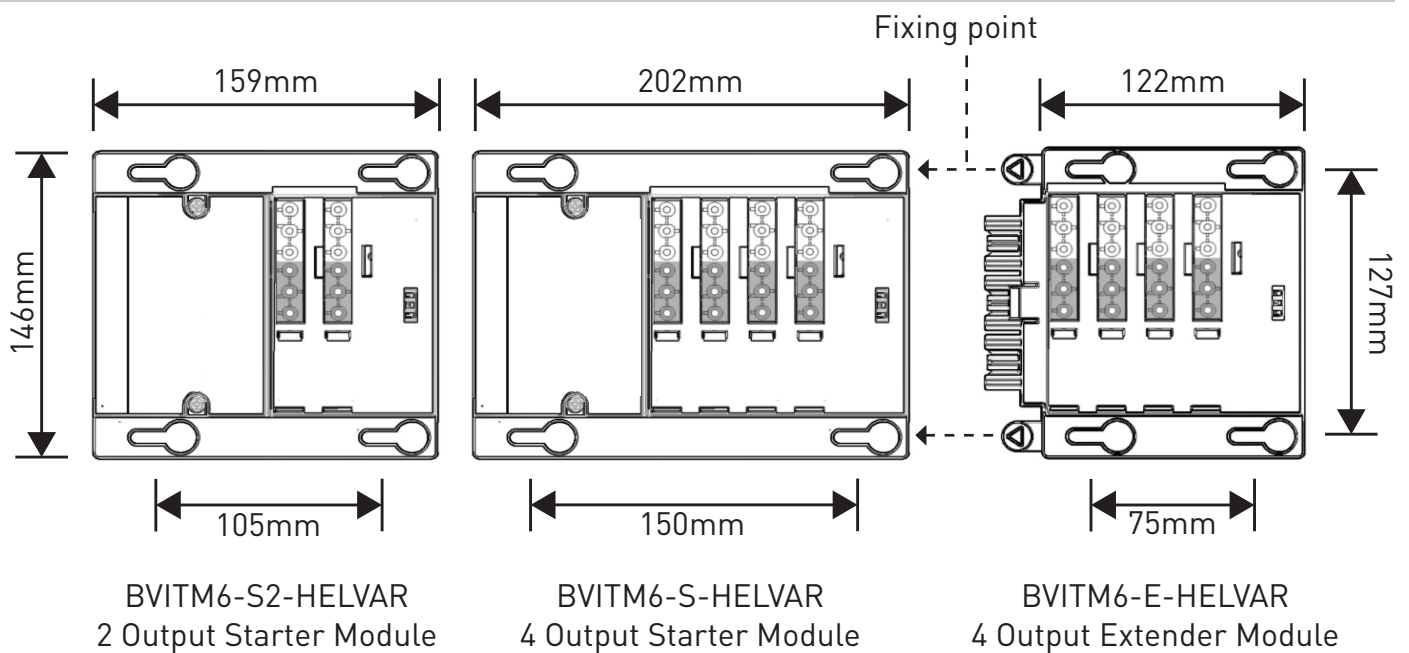
Modular LCM Datasheet and Installation Guide



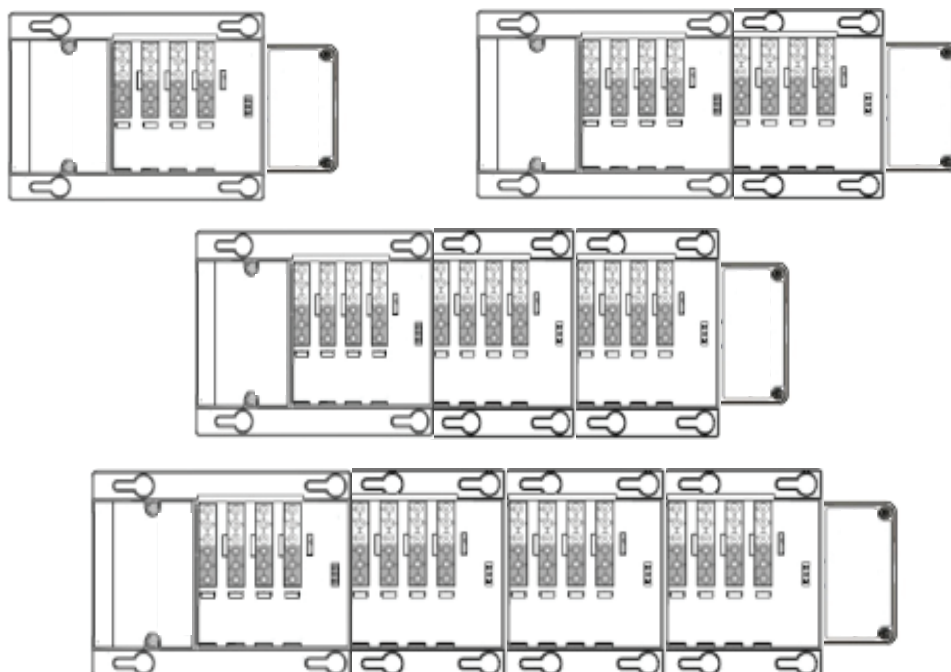
Overview

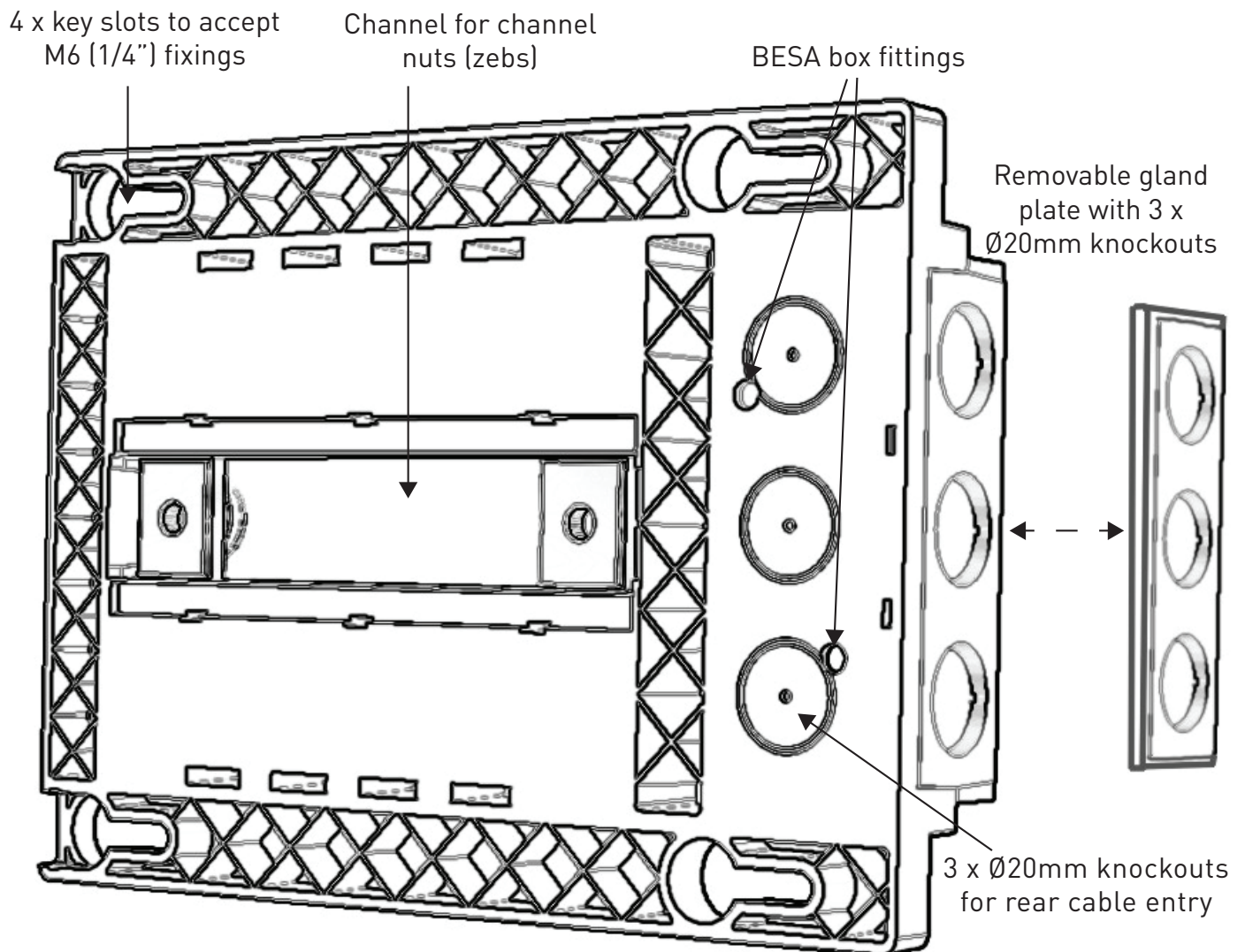
The modular LCM is a cost effective method of providing power and control for lighting installations in industrial, commercial and retail buildings. The system is designed for ease of installation: mains input is connected using the spacious wiring compartment, DALI control inputs and outputs are pluggable using industry standard connectors. The modular approach allows for between 2 and 16 luminaires to be connected.

System Components



Note: Allow 150mm for total height of unit (including connectors and cable)



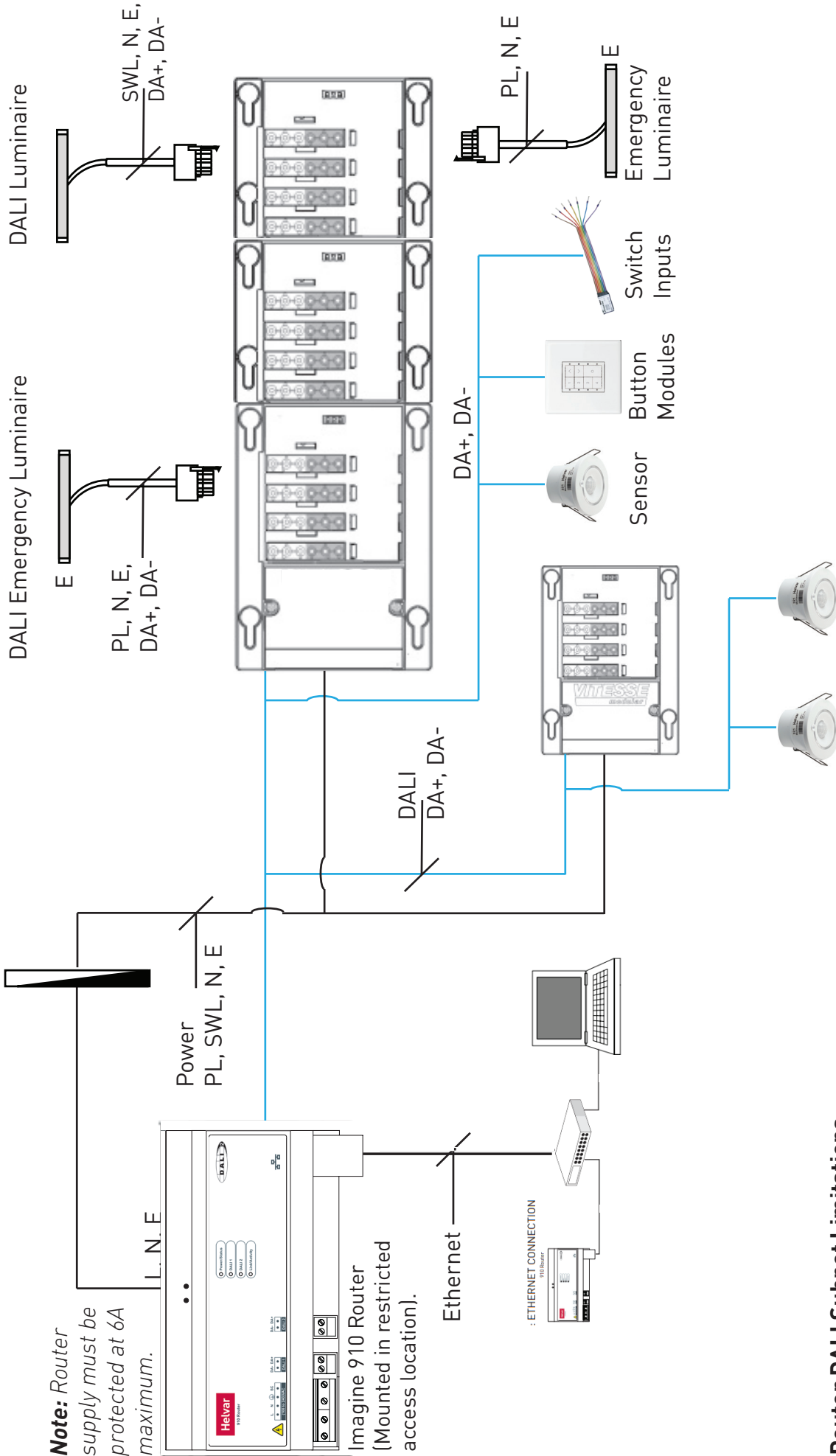


Warning: This device works at mains voltage. Be sure to take care when working with electricity.

The box should be fixed on a smooth, flat surface or using drop rod fixings attached to channel nuts.

Ensure that there is easy access to the wiring compartment and all connectors once the box is in-situ.

Example Network Diagram (Imagine Router System)

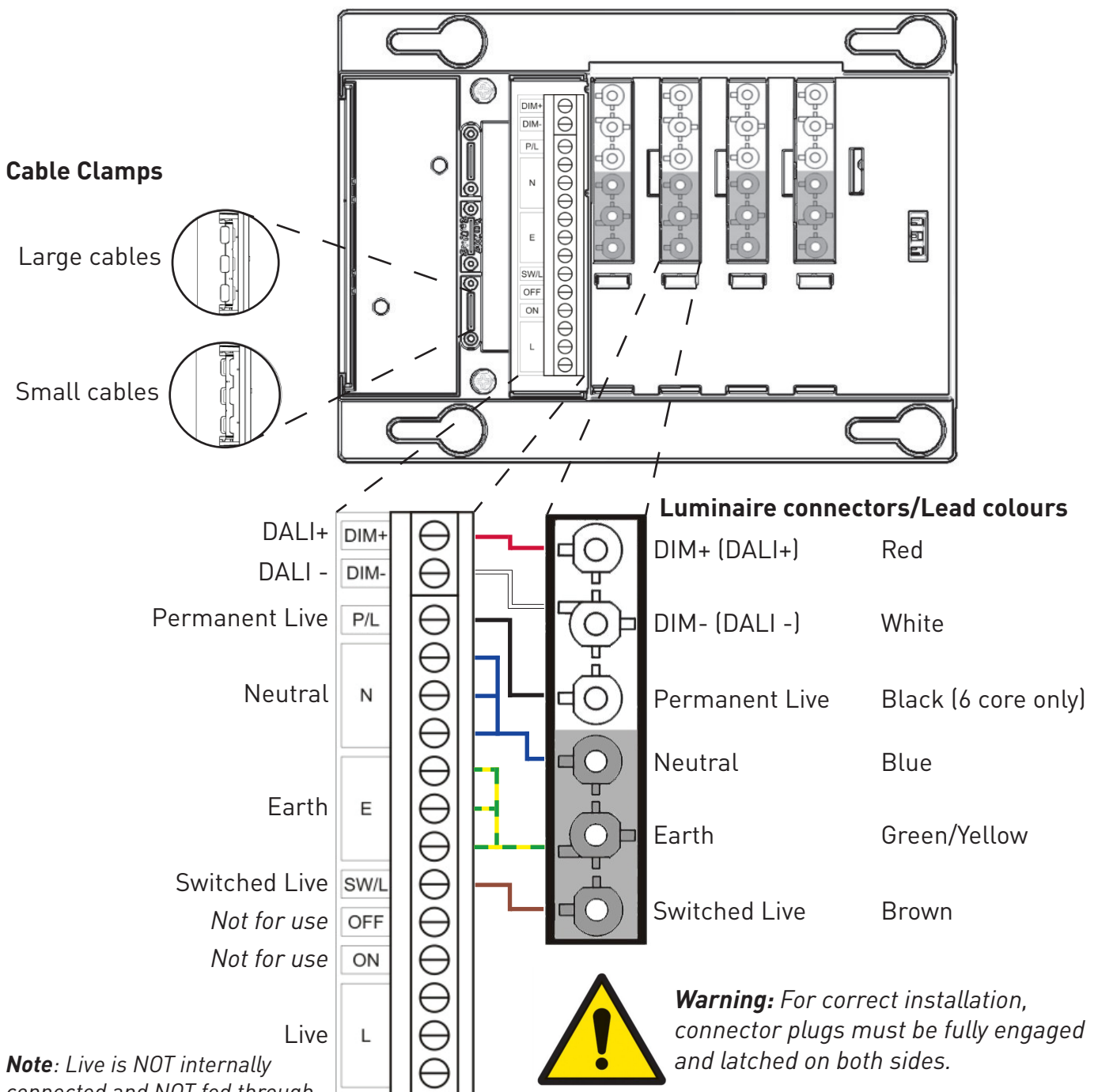


Router DALI Subnet Limitations

- 300m max cable run
- 64 addresses
- 240mA

Example: Indicative system schematic only. Max 5 x LCMs per DALI subnet (average 10 port LCM + 1 sensor + 1 Switch input). Contractor must provide appropriate isolation, cabling and reference other system component install guides.

- All wiring must be mains rated.
- Remove wiring compartment cover.
- Wire the box using the diagrams below.
 - Switched Live for normal fittings
 - Permanent live feeds emergency fittings
- Use the cable clamps to secure the wiring or use cable glands (not supplied). The clamps can be split, and flipped over to clamp different cable diameters.
- Replace wiring compartment cover.
- Plug in the luminaires ensuring that the connector latches to the box.

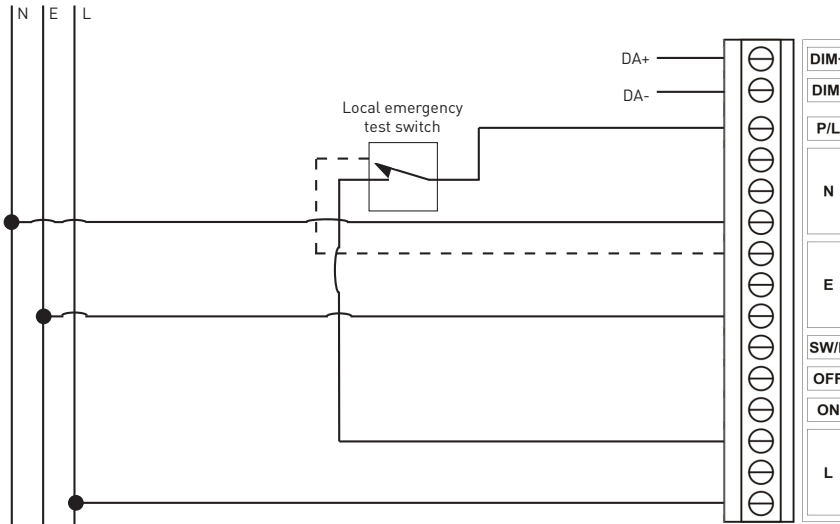


Note: Live is NOT internally connected and NOT fed through to outputs. See page 5.

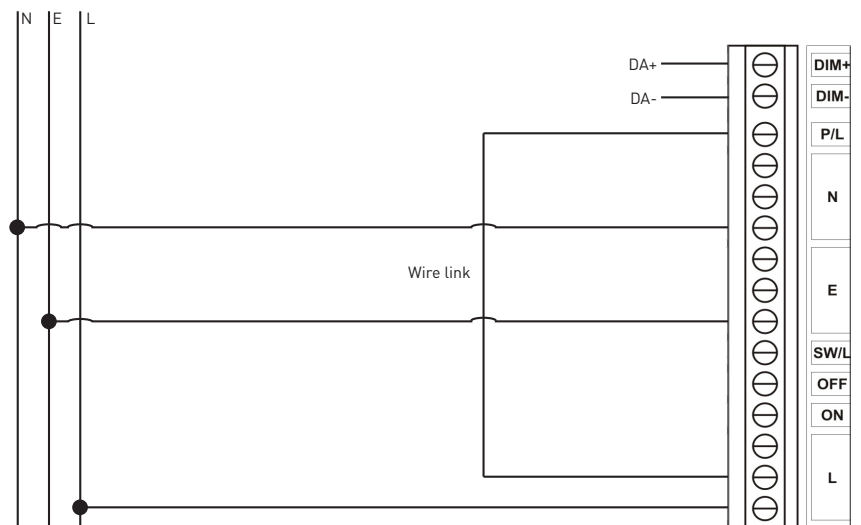


Warning: Do not wire across phases

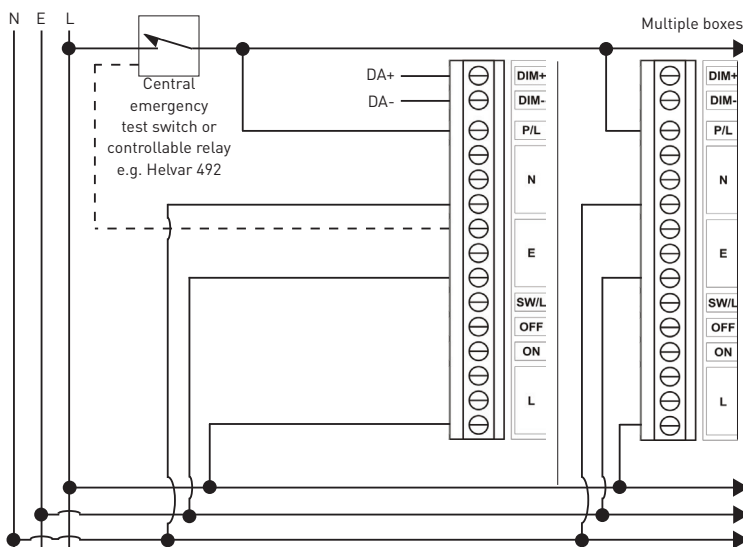
Local lighting switch and local emergency test switch



Emergency test using power interruption



Emergency test using central switch



Modules

BVITM6-S-HELVAR	4 output starter module
BVITM6-S2-HELVAR	2 output starter module
BVITM6-E-HELVAR	4 output extender module

Connectors

BVITM6-LPR	6 pole luminaire plug red
BVITM6-LPW	6 pole luminaire plug white

Ratings

Voltage	230VAC +/- 10%
Frequency	50Hz
Terminal Capacity	4mm ² in wiring compartment
Temperature	0°C to 35°C
Power	Rating system 16A. Rating of each output 10A
Compliance	BS5733:2010



Warning: For lighting purposes with suitable circuit protection. For fixed wiring only.

Important: This device should be installed by a qualified electrician in accordance with the latest edition of the IEE wiring regulations



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EU Registered design no. 001587544-0001, 001587544-0002
Helvar | Modular LCM Installation Guide



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