

BVITM6 and VITM6

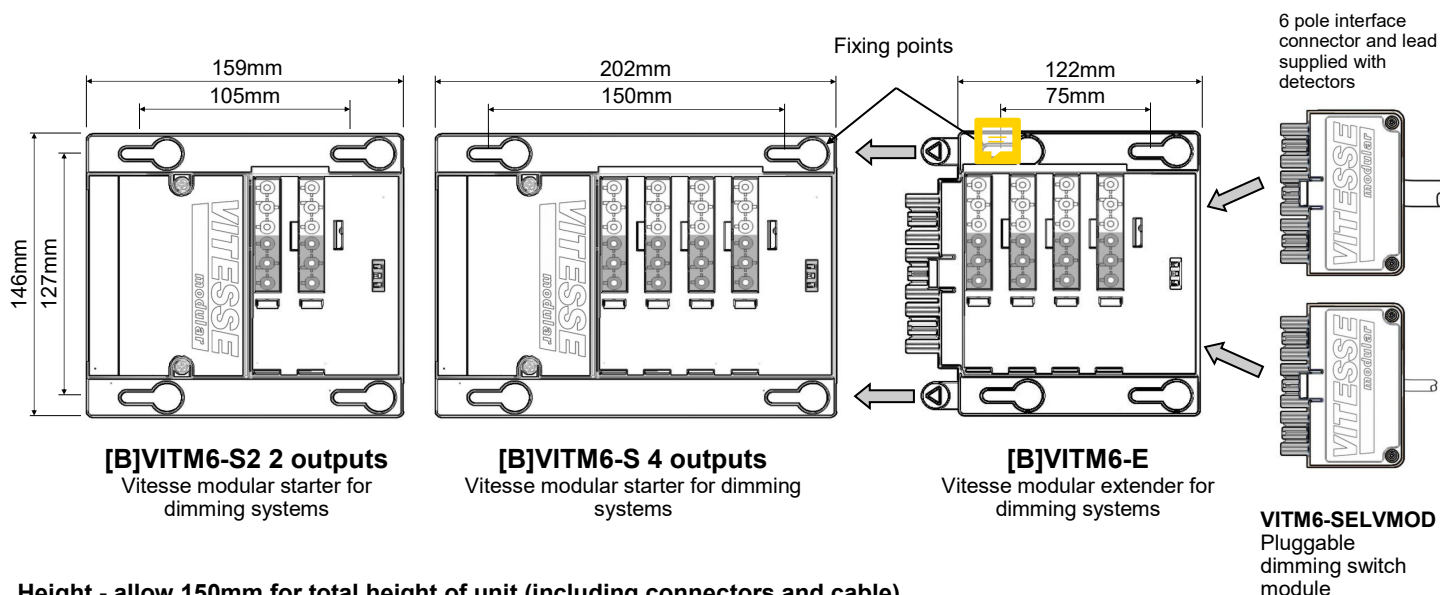
Vitesse Modular 6 - Dimming Modules

Overview

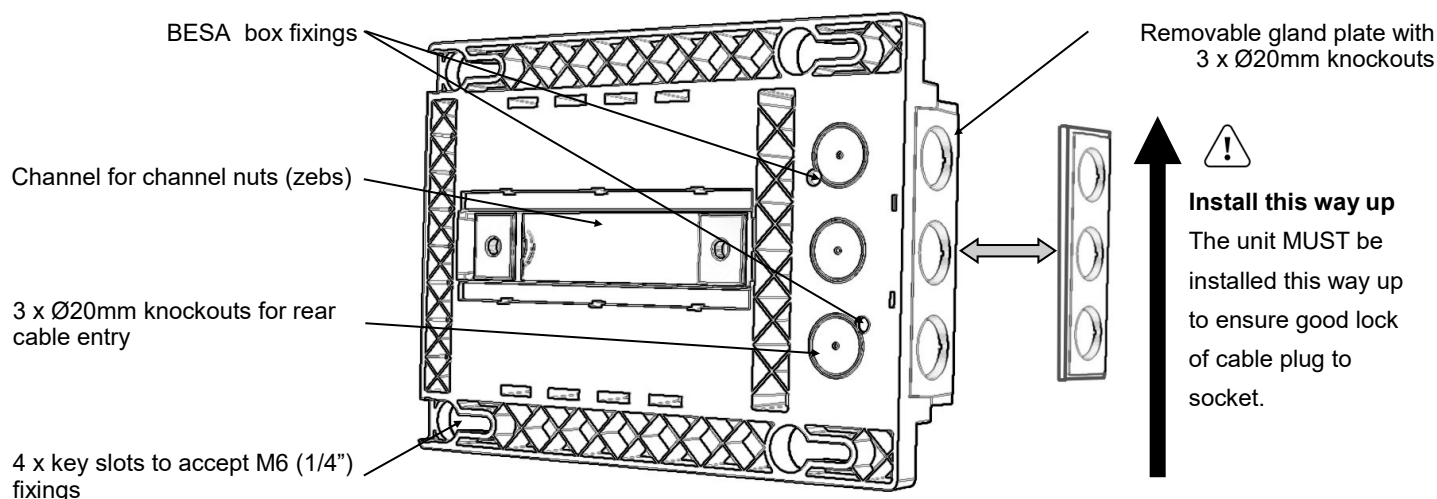
The Vitesse modular system is a cost effective method of providing power and control for lighting installations in industrial, commercial and retail buildings. The system is designed for ease of installation: mains input is connected using the spacious wiring compartment; control inputs and outputs are pluggable using industry standard connectors. The modular approach allows for between 2 and 16 luminaires to be connected. The BVITM6 is for use with dimming luminaires using the blue/grey connector combination whilst the VITM6 product uses the blue/grey combination.

The VITM6-SELVMOD converter provides SELV switch inputs to allow digital dimming whilst also overcoming the requirements of the IEE 17th edition wiring regulations cost effectively.

System Components



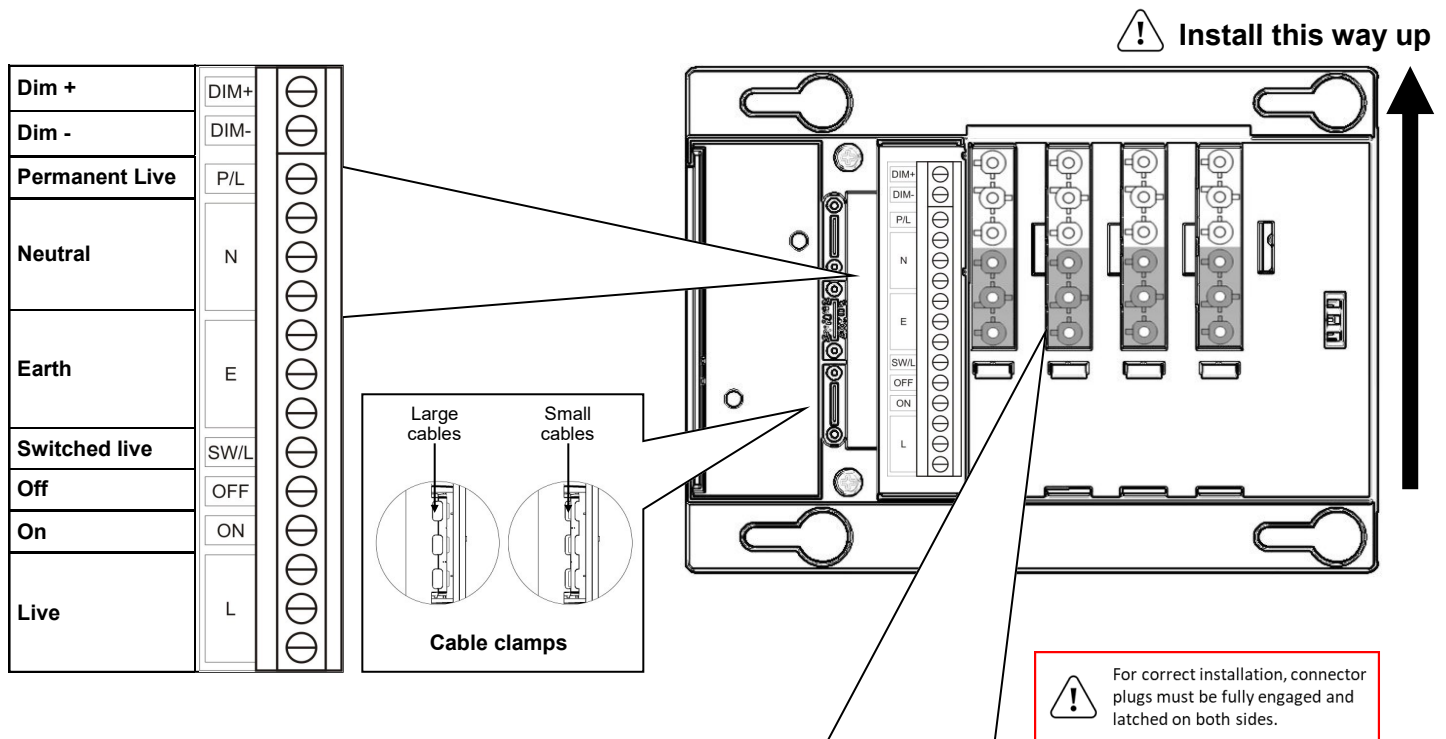
Installation



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

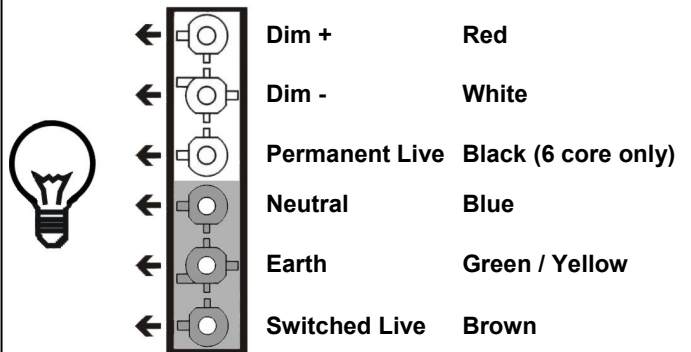
- The box should be fixed on a smooth, flat surface or using drop rod fixings attached to channel nuts.
- Ensure that there is easy access to the wiring compartment and all connectors once the box is in-situ.

Wiring



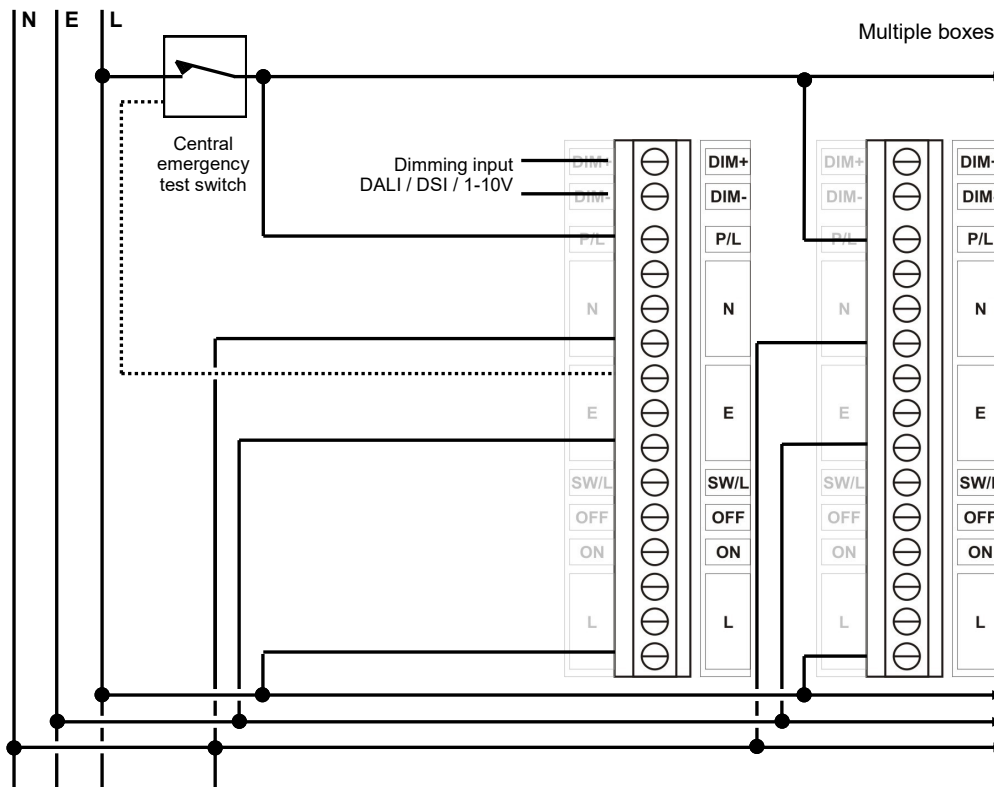
- All wiring should be mains rated.
- Remove wiring compartment cover.
- Wire the box using the diagrams opposite
 - Permanent live** feeds emergency fittings
 - Off/On** connects switches through to detectors
 - Switched live** turns the lights on and off
- Use the cable clamps to secure the wiring 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.
- **Install this way up!** The unit **MUST** be installed orientated as per the arrow to ensure good lock of cable plug to socket!

Luminaire connections / Lead colours



Wiring & Emergency Test

Emergency test using central switch



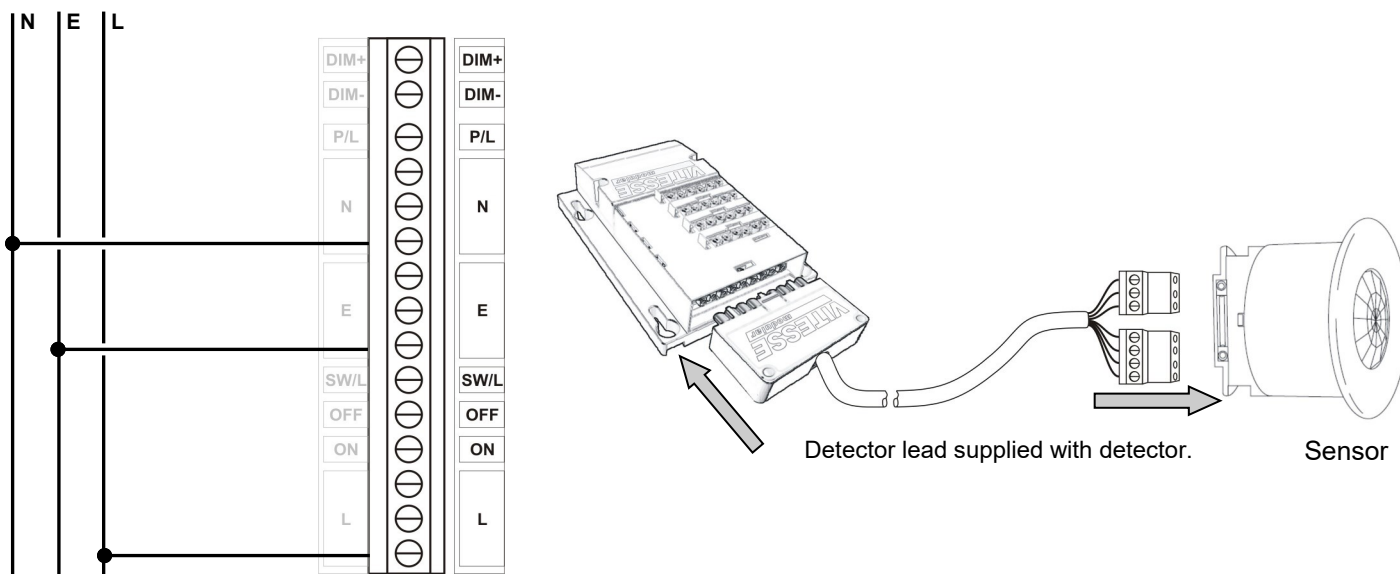
A local lighting switch may still be used when there is a central emergency test switch.



DO NOT WIRE ACROSS PHASES

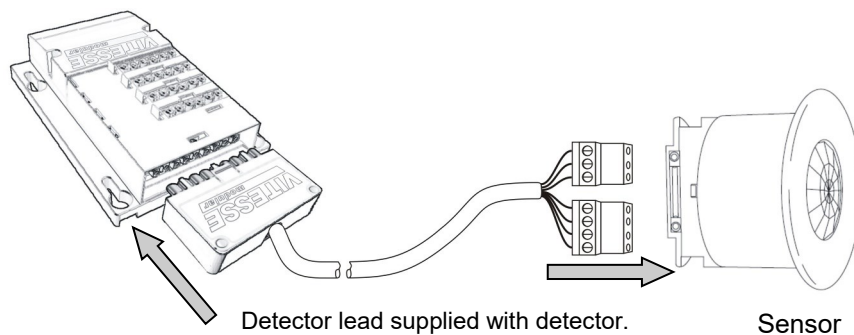
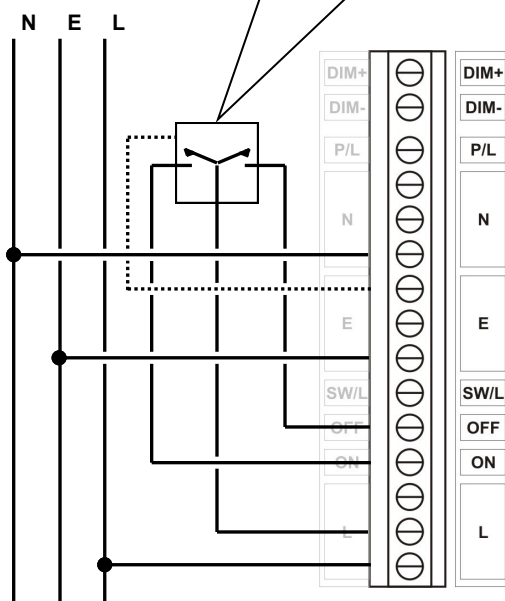
Presence detector connections - no switches

Automatic on, automatic off



Absence/presence detector connections - with switches

- Centre biased retractive wall switch (part no. MK K4900 or equivalent).
- Press and release to provide On/ Off switching; press and hold to provide Up / Down dimming.



Switch operation

- Up position
 - Short press on
 - Long press dimming level up
- Down position
 - Short press off
 - Long press dimming level down



DO NOT WIRE ACROSS PHASES

VITM6-SELVMOD Dimming Module

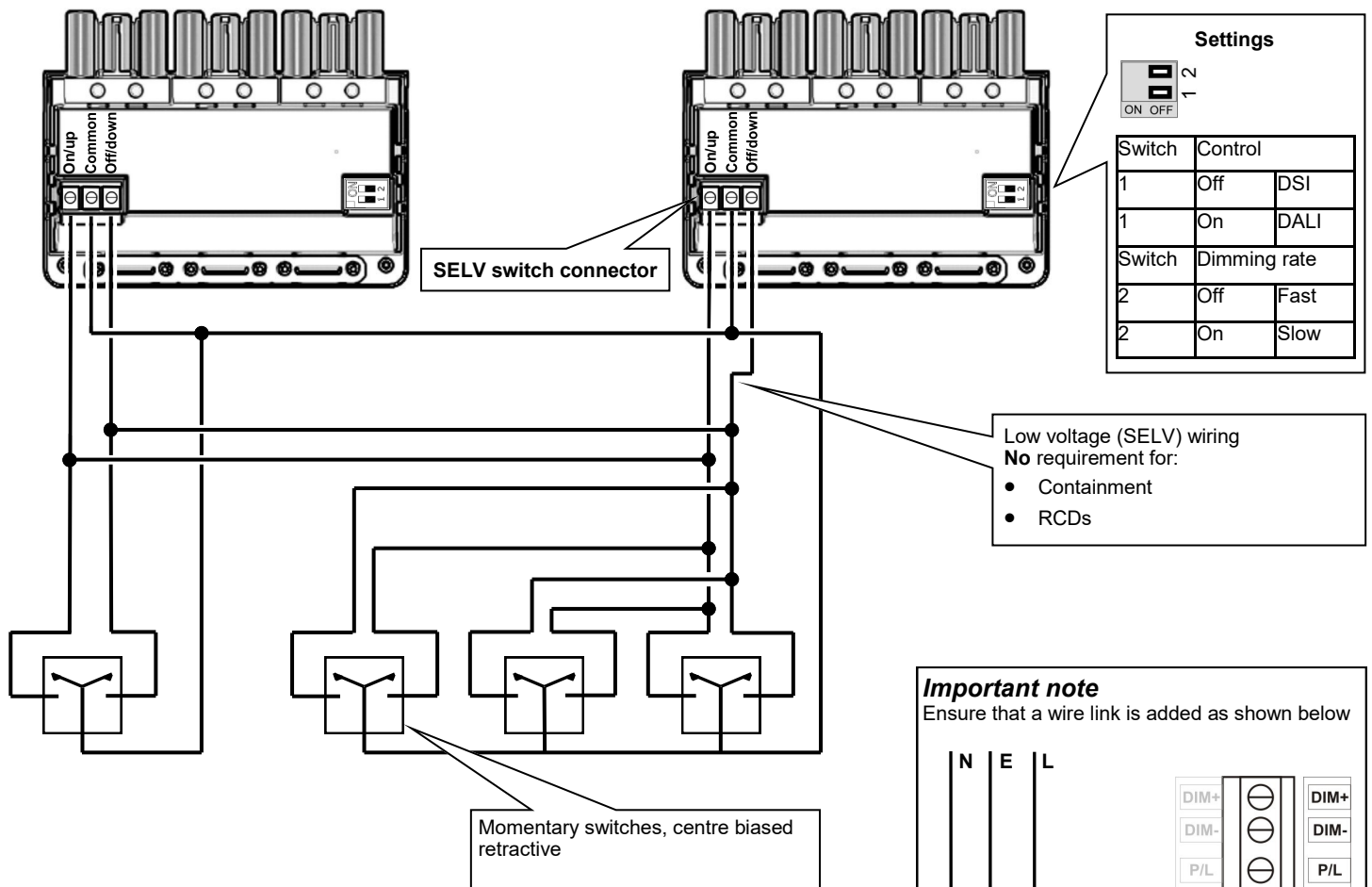
Features

- No mains voltage switch wires routed along walls removes the need for RCD protection under the IEE 17th Edition regulations.
- The VITM6-SELVMOD module allows switches in parallel for 2-way and intermediate switching.
- The same switch can be used when multiple Vitesse Modular boxes are connected to different phases.
- Selectable for DALI or DSI digital dimming control. Luminaires must be fitted with suitable dimming ballasts; up to 20 ballasts can be controlled.
- Two speeds of dimming rate selectable.

Operation

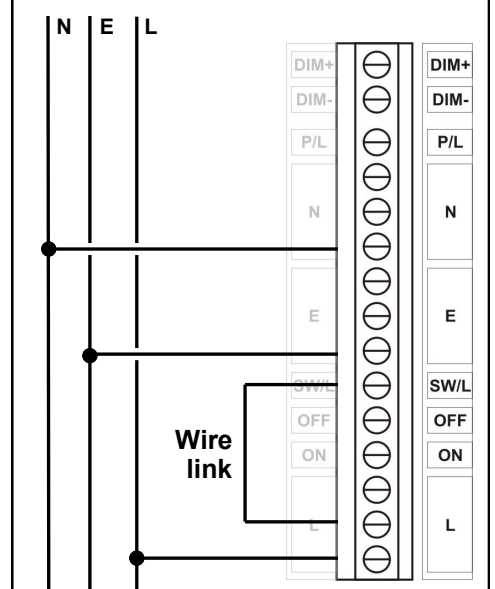
- Up button
 - Short press on
 - Long press dimming level up
- Down button
 - Short press off
 - Long press dimming level down

Wiring Diagram



Important note

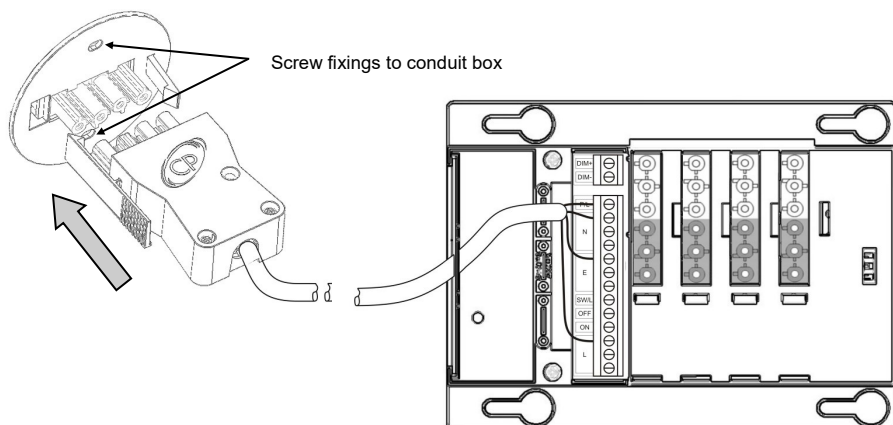
Ensure that a wire link is added as shown below



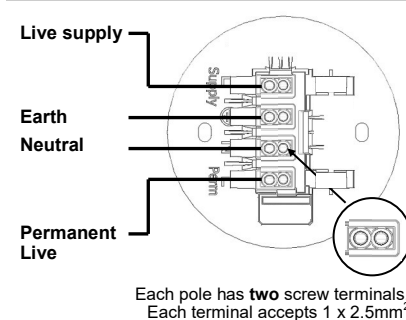
Ceiling rose / conduit box connection

Conduit box to VITM6-S mains wiring

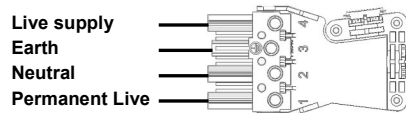
Use a VITM-ROSE when there is a need to take power from a conduit box. Plug the connector into the VITM-ROSE and wire the other end of the lead into the terminals of the VITM6-S. A pre-wired version is available, VITM6-SL1.



VITM-ROSE mains wiring



VITM-ROSE connector wiring



Part numbers

Modules

Blue & black connectors

BVITM6-S	6 pole starter box 4 outputs
BVITM6-S2	6 pole starter box 2 outputs
BVITM6-E	6 pole extender box 4 outputs
BVITM6-SL1	6 pole starter box + 1m lead + ceiling rose
BVITM6-SD5	Pre-wired corridor module + 5m of cable

Not to mix with VITM6 versions that use grey/black connectors.

Presence / Absence Detectors

VITM6-EBDSPIR-DD	Direct Dim PIR presence/absence detector
VITM6-MWS3A-DD	Direct Dim Microwave presence/absence detector
VITM6-MWS6-DD	Direct Dim Microwave presence/absence detector
VITM6-EBMPIR-DD	Direct Dim Miniature PIR presence detector

Accessories

VITM6-SELVMOD	SELV dimming switch module
VITM-ROSE	Ceiling rose module

Luminaire Leads (LSF)

Blue & black connectors

BVITM6L503100W	5 core	3m	1.0mm ²	White plug
BVITM6L505100W	5 core	5m	1.0mm ²	White plug
BVITM6L603100R	6 core	3m	1.0mm ²	Red plug
BVITM6L605100R	6 core	5m	1.0mm ²	Red plug

Not to mix with VITM6 versions that use grey/black connectors.
Other leads available to order

Replacement Detector Lead (LSF)

VITM6-L3-DD	3m Direct Dim sensor lead
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Connectors (blue & black)

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

Not to mix with VITM6 versions that use grey/black connectors.

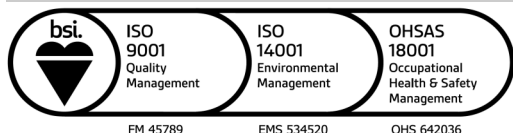
Ratings

Voltage	230VAC +/- 10%
Frequency	50Hz
Terminal capacity	4mm ² in wiring compartment
Temperature	0°C to 35°C
Power	Rating of system 16A. Rating of each output 10A VITM6-SELVMOD—control of up to 20 ballasts
Compliance	LVD-2014/35/EU

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

IMPORTANT NOTICE!

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



FM 45789

EMS 534520

OHS 642036



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