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 VITM4 is for use with non-dimming luminaires. The VITM4-SELVMOD converter provides a cost effective SELV switch input for overcoming the requirements of the IEE 17th edition wiring regulations.

**Overview**

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**System Components**

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>VITM4-S2 2 outputs</td>
<td>159mm x 105mm</td>
</tr>
<tr>
<td>VITM4-S 4 outputs</td>
<td>202mm x 150mm</td>
</tr>
<tr>
<td>VITM4-E</td>
<td>122mm x 75mm</td>
</tr>
</tbody>
</table>

**Installation**

- BESA box fixings
- Channel for channel nuts (zebs)
- 3 x Ø20mm knockouts for rear cable entry
- 4 x key slots to accept M6 (1/4") fixings
- Removable gland plate with 3 x Ø20mm knockouts

**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.
Permanent Live | P/L
Neutral | N
Earth | E
Switched live | SW/L
Absence detector | OFF/ON
Live | L

- All wiring should be mains rated.
- Remove wiring compartment cover.
- Wire the box using the diagrams below:
  - **Permanent live** feeds emergency fittings
  - **Absence detector** 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.

### Local lighting switch and local emergency test switch

- **Emergency test using central switch**
- **Emergency test using power interruption**

A local lighting switch may still be used when there is a central emergency test switch or when a circuit breaker is used to interrupt the power.

**Luminaire connections / Lead colours**

- Permanent Live: Black (4 core only)
- Neutral: Blue
- Earth: Green / Yellow
- Switched Live: Brown

**DO NOT WIRE ACROSS PHASES**
Presence detector connections

- Timer disabled
- Timer enabled (1, 2, 5, 10, 15 minutes)

Absence detector connections

- Manual on, automatic off

VITM4-SELVMOD Switching Module

- No mains voltage switch wires routed along walls removes the need for RCD protection under the IEE 17th Edition regulations.
- The VITM4-SELVMOD module allows switches in parallel for 2-way and intermediate switching.
- Optional time delay function.
- The same switch can be used when multiple Vitesse Modular boxes are connected to different phases.

Detector lead supplied with detector. Where detectors connect to a single box a dual lead is available VITM4-LD3-B.

Detector lead supplied with detector. Where detectors connect to a single box a dual lead is available VITM4-LD3-PRM.

Low voltage (SELV) wiring:
- No requirement for:
  - Containment
  - RCDs

Momentary or latching switches (momentary only—push and hold to reset)
Ceiling rose / conduit box connection

Conduit box to VITM4-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 VITM4-S. A pre-wired version is available, VITM4-SL1.

![Screw fixings to conduit box](image)

Part numbers

<table>
<thead>
<tr>
<th>Modules</th>
<th>Dual Detector Leads (LSF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VITM4-S</td>
<td>VITM4-LD3-B</td>
</tr>
<tr>
<td>VITM4-S2</td>
<td>VITM4-LD3-PRM</td>
</tr>
<tr>
<td>VITM4-E</td>
<td>3m basic sensor lead</td>
</tr>
<tr>
<td>VITM4-SL1</td>
<td>3m premium sensor lead</td>
</tr>
<tr>
<td>VITM4-SD5</td>
<td></td>
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</tr>
</tbody>
</table>

Presence / Absence Detectors

| VITM4-EBDPIR-B   | PIR presence detector   |
| VITM4-EBDPIR-PRM| PIR presence/absence detector (adjustable head) |
| VITM4-MWS3A-PRM | Microwave presence/absence detector (fixed head) |
| VITM4-MWS6-PRM  |                          |
| VITM4-EBMPIR-B  | Miniature PIR presence detector |
| VITM4-EBMPIR-PRM| Miniature PIR premium presence detector |

Accessories

| VITM4-SELVMOD   | SELV switching module   |
| VITM4-ROSE      | Ceiling rose module     |

Connectors

| VITM4-LPW       | 4 pole luminaire plug white |
| VITM4-LPR       | 4 pole luminaire plug red  |

Ratings

Voltage: 230VAC +/- 10%
Frequency: 50Hz
Terminal capacity: 4mm² in wiring compartment
Temperature: 0ºC to 35ºC
Power: Rating of system 16A. Rating of each output 10A
Compliance: BS 5733:1995

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.

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EU patent pending
EU registered design no. 001587544-0001, 001587544-0002

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Ref: #WD289 Issue 7