

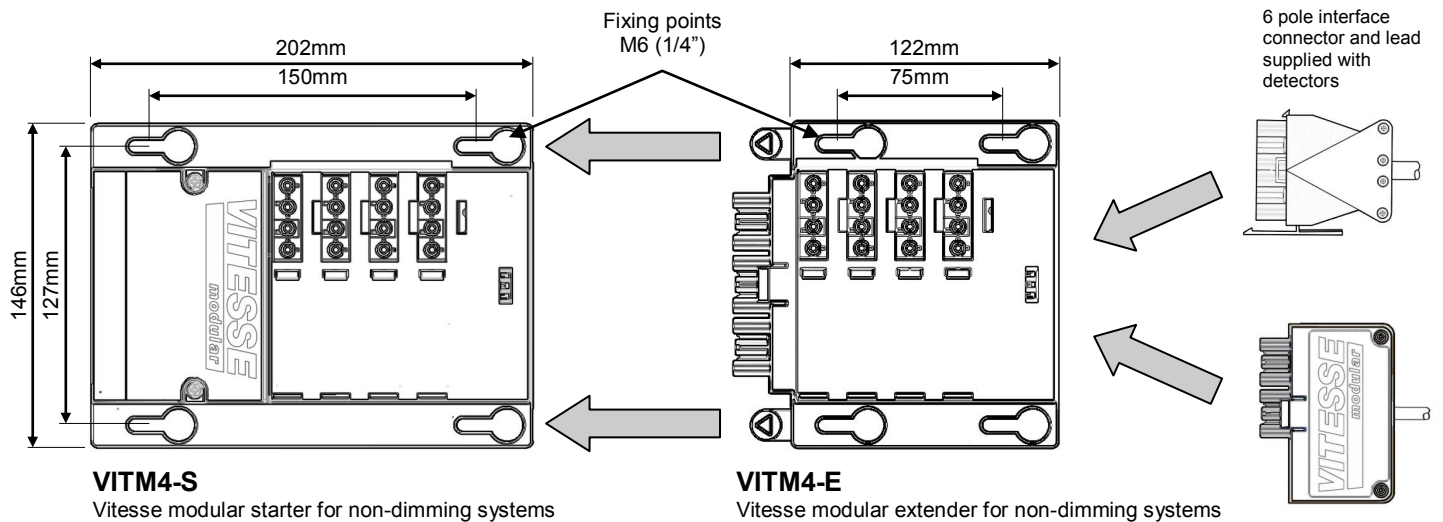
# VITM4

## Vitesse Modular 4 - Switching Modules

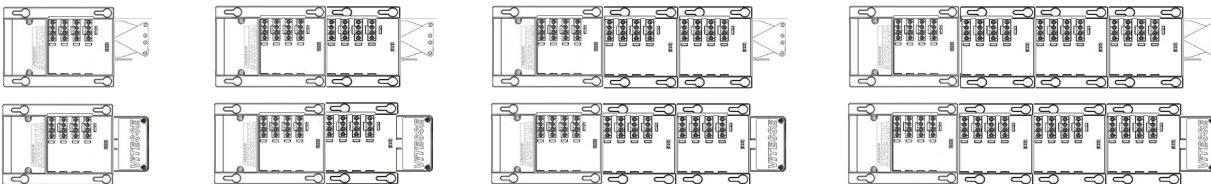
### Overview

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 4 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 17<sup>th</sup> edition wiring regulations.

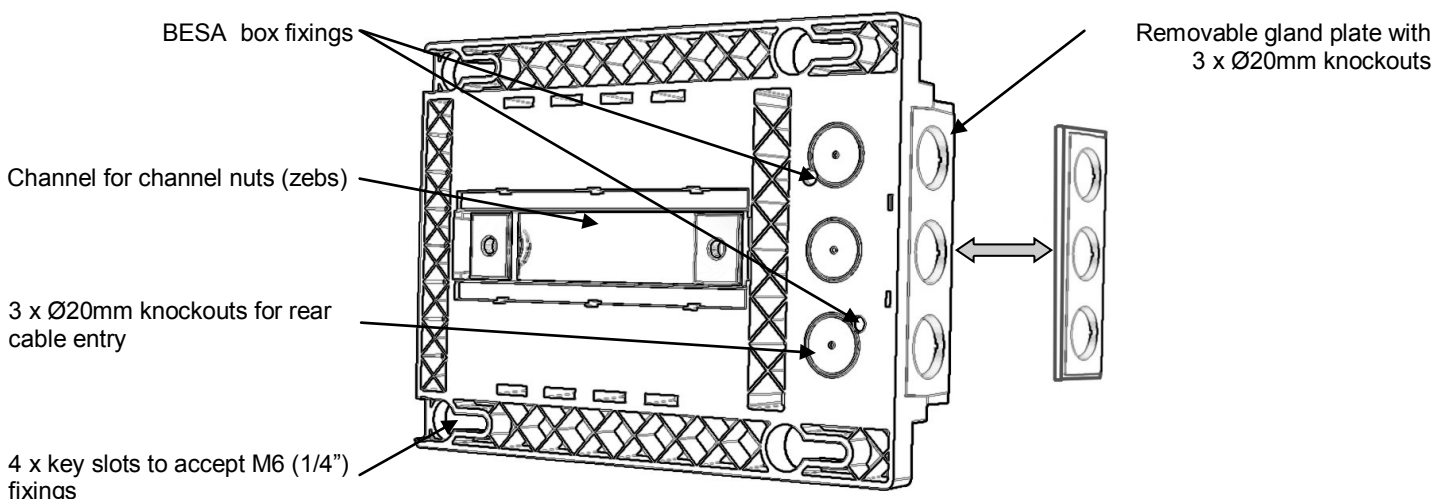
### System Components



Height - allow 150mm for total height of unit (including connectors and cable)



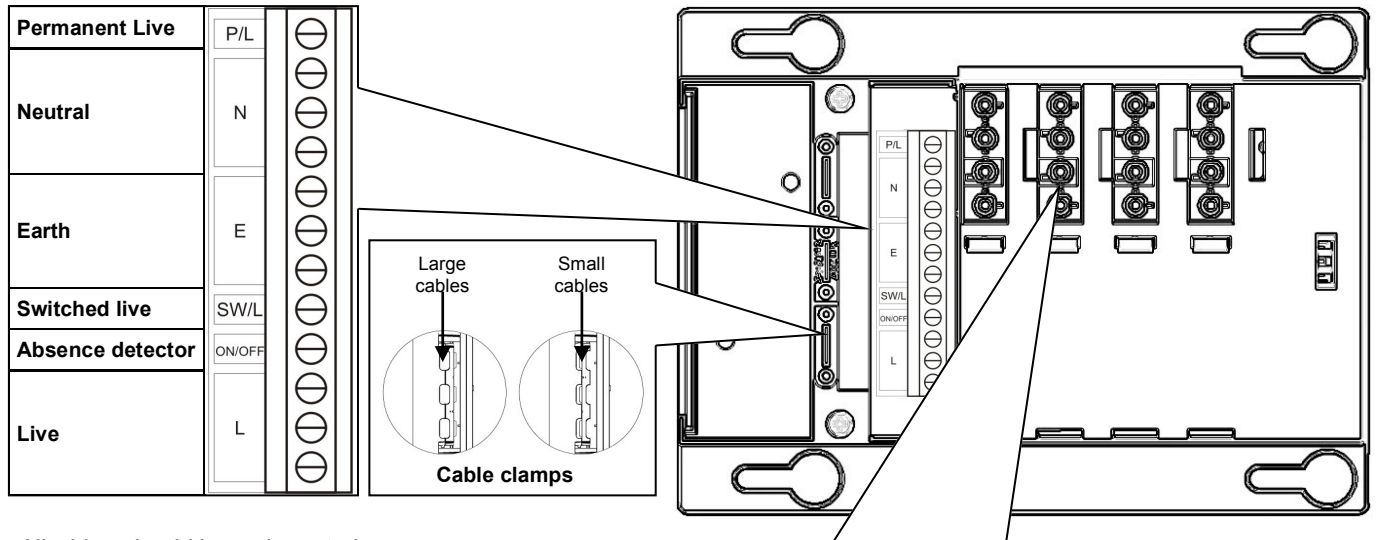
### Installation



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

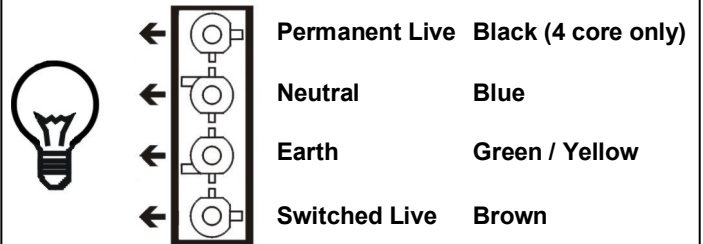
- The box should be fixed on a smooth, flat surface or using drop rod fixings attached to channel nuts.
- Ensure that there is easy access to the wiring compartment and all connectors once the box is in-situ.

# Wiring

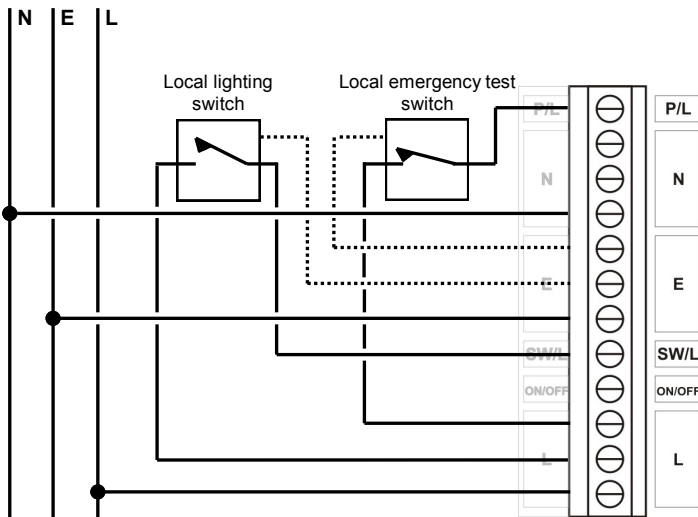


- All wiring should be mains rated.
- Remove wiring compartment cover.
- Wire the box using the diagrams below
  - Permanent live** feeds emergency fittings
  - Absence detector** connects switches through to detectors
  - Switched live** turns the lights on and off
- Use the cable clamps to secure the 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.

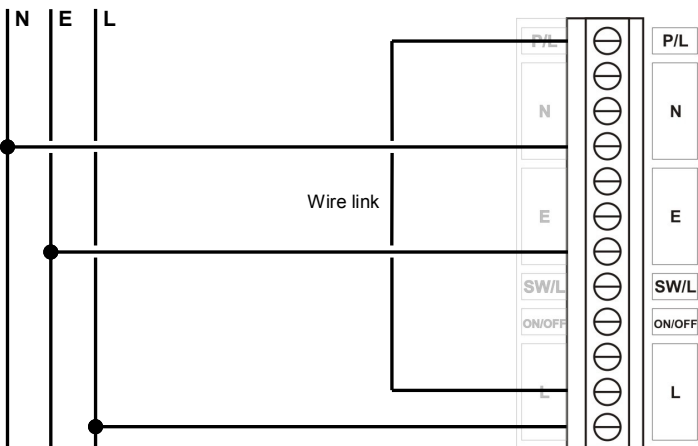
## Luminaire connections / Lead colours



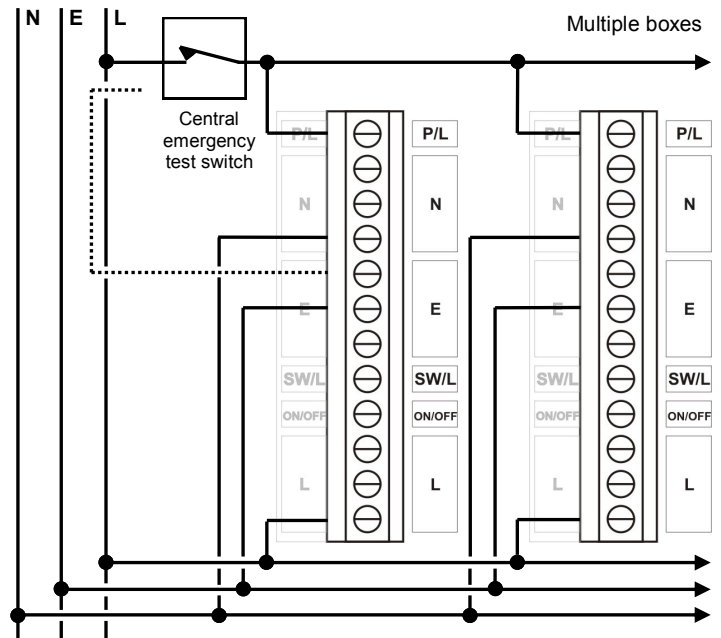
## Local lighting switch and local emergency test switch



## Emergency test using power interruption



## Emergency test using central switch

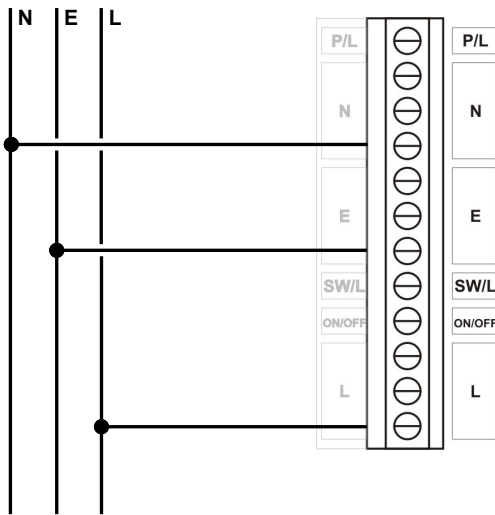


A local lighting switch may still be used when there is a central emergency test switch or when a circuit breaker is used to interrupt the power.

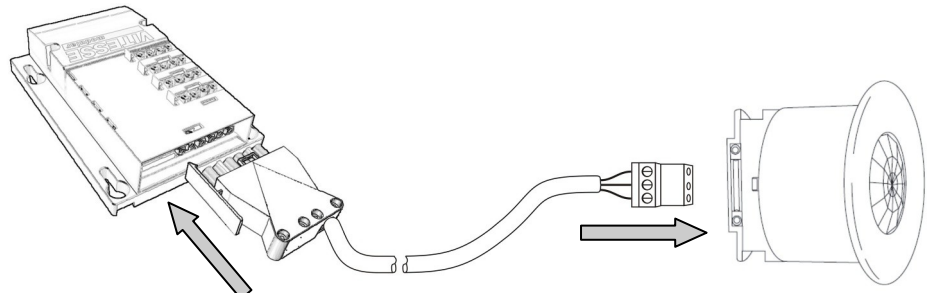


**DO NOT WIRE ACROSS PHASES**

## Presence detector connections

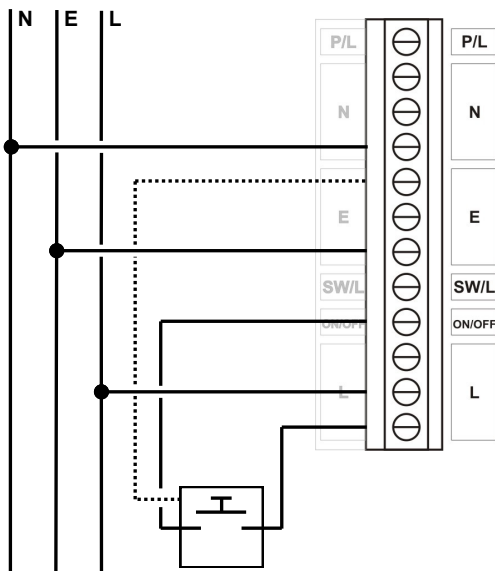


**Automatic on, automatic off**

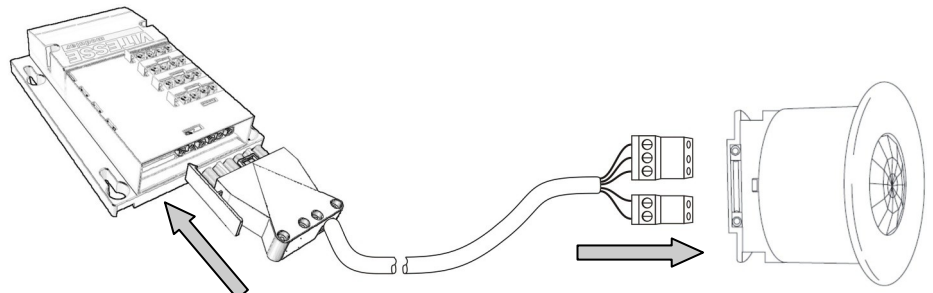


Detector lead supplied with detector.  
Where detectors connect to a single box a dual lead is available VITM4-LD3-B.

## Absence detector connections



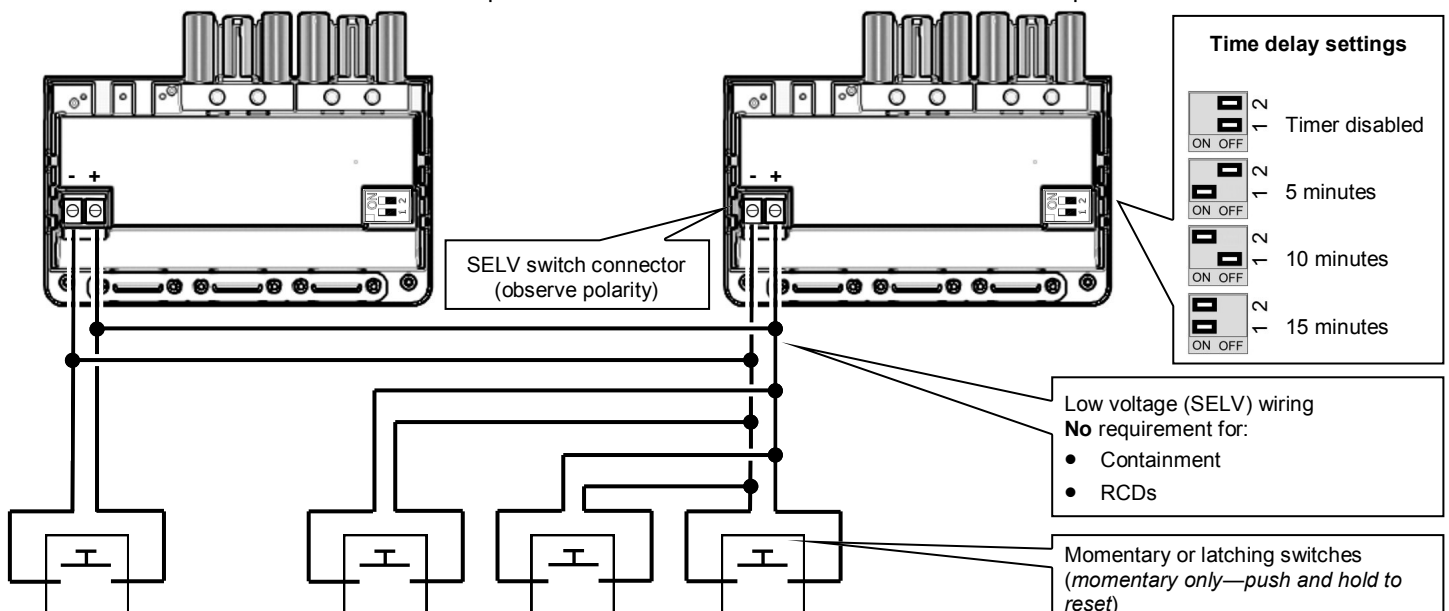
**Manual on, automatic off**



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

## VITM4-SELVMOD Switching Module

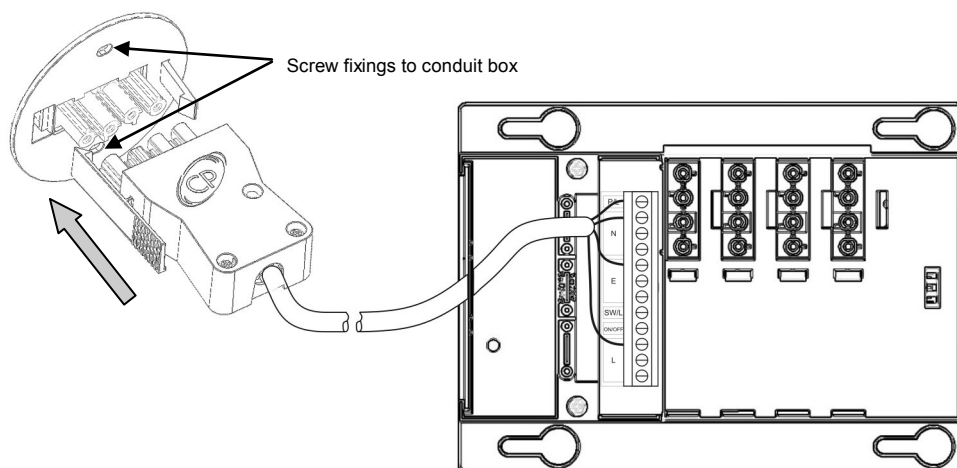
- No mains voltage switch wires routed along walls removes the need for RCD protection under the IEE 17th Edition regulations.
- The VITM4-SELVMOD module allows switches in parallel for 2-way and intermediate switching.
- Optional time delay function.
- The same switch can be used when multiple Vitesse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



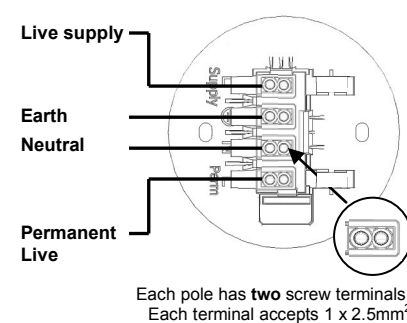
# Ceiling rose / conduit box connection

## Conduit box to VITM4-S mains wiring

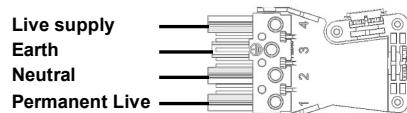
Use a VITM-ROSE when there is a need to take power from a conduit box. Plug the connector into the VITM-ROSE and wire the other end of the lead into the terminals of the VITM4-S. A pre-wired version is available, VITM4-SL1.



## VITM-ROSE mains wiring



## VITM-ROSE connector wiring



## Part numbers

### Modules

VITM4-S	4 pole starter box
VITM4-E	4 pole extender box
VITM4-SL1	4 pole starter box with 1m lead and ceiling rose connector
VITM4-SD5	Pre-wired corridor module with 5 metres of cable

### Presence / Absence Detectors

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

### Accessories

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

### Dual Detector Leads (LSF)

VITM4-LD3-B	3m basic sensor lead
VITM4-LD3-PRM	3m premium sensor lead

### Luminaire Leads (LSF)

VITM4L303100W	3 core	3m	1.0mm <sup>2</sup> White plug
VITM4L305100W	3 core	5m	1.0mm <sup>2</sup> White plug
VITM4L403100R	4 core	3m	1.0mm <sup>2</sup> Red plug
VITM4L405100R	4 core	5m	1.0mm <sup>2</sup> Red plug

Other leads available to order.

### Connectors

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

## Ratings

Voltage	230VAC +/- 10%
Frequency	50Hz
Terminal capacity	4mm <sup>2</sup> in wiring compartment
Temperature	0°C to 35°C
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.



**UK Patent no. GB2463063**  
**EU patent pending**  
**EU registered design no.**  
**001587544-0001, 001587544-0002**



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