

Vitesse Modular™

Reinventing lighting distribution systems



VITESSE modular Reinventing lighting distribution systems

Vitesse Modular™ represents the culmination of years of research into how lighting distribution systems are wired and installed. As a result, it addresses all the issues that persist with most of the other systems available.

As its name suggests, Vitesse Modular™ relies on a modular design which means you simply add 'modules' as and when they are needed.

Packed with innovative features, Vitesse Modular™ is a cost effective method of providing power and control for lighting installations in industrial, commercial and retail buildings.



PATENT PENDING

It grows and adapts to suit the installation

From 4-way to 16-way using the 4-way extender modules... it couldn't be simpler.

Once Vitesse Modular™ is installed, modules can be added (or removed) depending on future requirements. Also, as there are so few parts, you don't have to waste space in a warehouse or vehicle with a huge variety of different parts just in case you might need them.

Expandable number of outputs from 4-way to 16-way



Easy to tailor the system to suit the installation – just add on modules and accessories as you need them



Keep the number of parts simple and to a minimum

4-way



8-way



12-way



16-way



*Connection Module only required for dimming, detector or SELV switch connections.

Choice of switching or dimming

Vitesse Modular™ offers you the choice of switching or dimming to suit your installation.

i 2 channel options are available with common or separate supplies. Please contact our Sales Office for more information.

4 pole connection for switching



4 pole connections for standard non-dimming luminaires allows switching or automatic control with presence detectors or an SELV switching module.

6 pole connection for dimming



6 pole connections for luminaires fitted with a dimming ballast allows switching and dimming when used with presence detectors or an SELV dimming module.

Extensive range of presence detectors

CP Electronics are at the forefront of innovative detector design and the superb range of PIR and Microwave presence detectors are available pre-wired for easy installation.

It is also easy to connect switches to provide **absence** detection when installing Vitesse Modular™.

What is the difference between **presence** and **absence** detection? **Presence** detectors provide automatic switch on and off whilst **absence** detectors provide manual switch on and automatic switch off.



i see pages 8 to 13 for more information about these detectors and other accessories for the Vitesse Modular™ system

i see pages 14 and 15 for more information about **presence** detection and **absence** detection

No need to compromise

Unlike other systems available, by using Vitesse Modular™, you will never need to compromise.

- Small lightweight modules that simply slot together
- Just a handful of different modules required instead of many different variants and parts
- Extensive range of presence and absence detectors
- Easy choice of switching or dimming

Vitesse Modular™ provides all this and much, much more...

Not only Modular but feature packed too...

The Modular design is already ground-breaking, but customer research has led to many more innovative features, meaning Vitesse Modular™ provides all the following great benefits...

Lightweight,
strong and
compact



Innovative
control
solutions



Versatile
wiring
options



Flexible
installation
solutions

Vitesse Modular™ – lightweight, strong and compact

Lightweight construction



Unlike other products on the market, Vitesse Modular™ is light and easy to hold in position whilst installing.

Strong and robust



The Tuffgrid lattice design provides the strength for the lightweight Vitesse Modular™ range.

Compact design

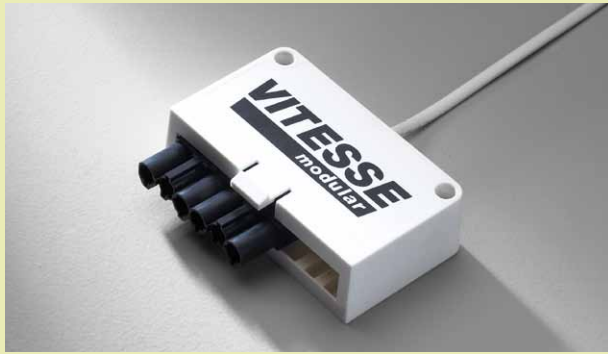


The compact Vitesse Modular™ system is ideal for installation in confined ceiling voids.

Innovative control solutions

Vitesse Modular™ provides a variety of cutting-edge features.

IEE 17th edition compliance



The Vitesse Modular™ SELV module removes the need for RCD protection and provides IEE 17th Edition compliant lighting installations.

Separate pluggable connections



Separate pluggable connections for detectors and control devices so valuable channel outputs are not wasted.

4 pole connection for switching



4 pole connections for standard non-dimming luminaires allows switching or automatic control with presence detectors or an SELV switching module.

6 pole connection for dimming



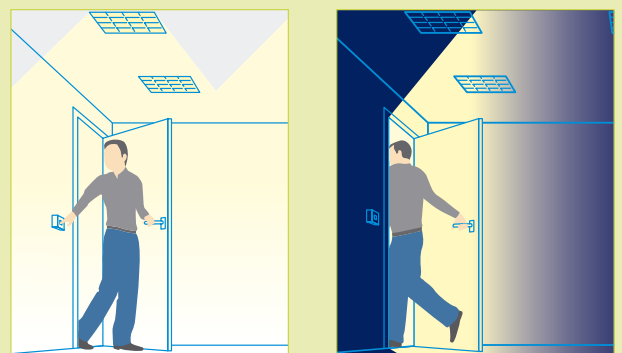
6 pole connections for luminaires fitted with a dimming ballast allows switching and dimming when used with presence detectors or an SELV dimming module.

PIR and microwave detectors




Full range of lighting control products such as PIR and Microwave presence detectors. Presence detection provides automatic switch on and automatic switch off.

Easy absence detector connection



Simple connection to provide absence detection with Vitesse Modular™. Absence detection provides manual switch on and automatic switch off.

 see pages 14 and 15 for more information

Versatile wiring options

Vitesse Modular™ has been designed for hassle-free wiring on-site.

Large wiring compartments



Lots of space for really easy connections.

Large terminal block



Large terminals accept 4mm² cable.

Detachable cable entry plate



Detachable cable entry plate for hassle-free wiring.

Integral cable clamps



Can be used with grommets or cable glands.

BESA box adaptor



Rear knockouts available for BESA box fixing.

GST style connectors



Industry standard GST style connectors – no need for proprietary connectors.

Red luminaire connectors for emergency fittings



Red luminaire connectors – easy to track emergency circuits whilst on-site.

Pluggable connectors



Easy to connect pluggable luminaires.

Flexible installation solutions

Vitesse Modular™ provides easy installation options for all locations.

Slab mounting



Can be mounted directly onto slab.

Drop rod mounting



Can be suspended using drop rods.

Channel nut mounting



Can be mounted using channel nut fixings.

BESA box connection



Compatible with BESA box connection.

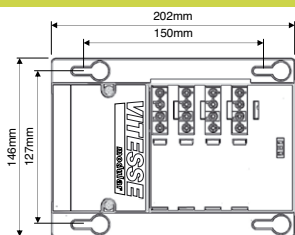
Switching Modules

VITM4-S

Starter Module

Order Code	Description
VITM4-S	Starter Module with 4 outputs. Power Rating of system 16A (at 230VAC). Rating of each output 10A (at 230VAC).

Dimensions

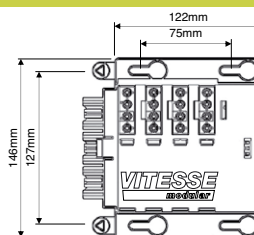


VITM4-E

Extender Module

Order Code	Description
VITM4-E	Extender Module with 4 outputs. Power Rating of system 16A (at 230VAC). Rating of each output 10A (at 230VAC).

Dimensions



i 2 channel options are available with common or separate supplies. Please contact our Sales Office for more information.

VITM4-SL1

Pre-wired Package

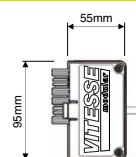
Order Code	Description
VITM4-SL1	Pre-wired Package includes Starter Module, Ceiling Rose, 4 pole connector plug and 1 metre of cable. BESA box not included.

VITM4-SELVMOD

Switching Module

Order Code	Description
VITM4-SELVMOD	Switching Module – simple connection of switches using SELV removes the need for RCD protection. Includes integral time delay feature.

Dimensions



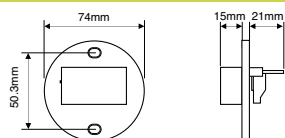
Switching Accessories

Ceiling Rose



Order Code	Description
VITM-ROSE	Ceiling Rose with connector plug. BESA box not included. Power Rating of system 16A (at 230VAC).
VITM-ROSE-R	Ceiling Rose with Red connector plug. Suitable for emergency fittings. BESA box not included. Power Rating of system 16A (at 230VAC).
VITM-ROSE-NP	Ceiling Rose, no connector plug. BESA box not included. Power Rating of system 16A (at 230VAC).

Dimensions



Dual Detector Leads



Dual detector leads for switching installations

Order Code	Description
VITM4-LD3-B	Dual detector lead for Basic detectors. Supplied with 3 metre lead.
VITM4-LD3-PRM	Dual detector lead for PRM detectors. Supplied with 3 metre lead.

Enables two detectors to be connected to a module.

Luminaire Connectors



Luminaire connectors for switching installations

Order Code	Description
VITM4-LPW	4 pole luminaire connector (white).
VITM4-LPR	4 pole luminaire connector (red).

Luminaire Leads Switching



Order Code	Description
VITM4L303100W	3 core luminaire lead (white), 1.0mm ² , (3 metres).
VITM4L305100W	3 core luminaire lead (white), 1.0mm ² , (5 metres).
VITM4L403100R	4 core luminaire lead (red), 1.0mm ² , (3 metres).
VITM4L405100R	4 core luminaire lead (red), 1.0mm ² , (5 metres).
Other cable lengths are available upon request	

Order Code Guidelines for Cables

Prefix	Poles	Lead	Core	Length in Metres	Cable Area	Type	Plug Colour
VITM	4/6	L	3/4/5/6	03 or 05 (other lengths to order)	1mm ² (1.5mm ² to order)	0 = Isf	W (White) or R (Red) B (Black) to order

Switching Detectors

EBDSPIR



Ceiling Mounted PIR Presence Detector

Order Code	Description
VITM4-EBDSPIR-B	Basic presence detector with time and lux level switching. Supplied with 3 metre lead.
VITMR-EBDSPIR-B	Same as VITM4-EBDSPIR-B plus connector and ceiling rose.
VITM4-EBDSPIR-PRM	Presence/absence detector, time and lux level switching with an infrared override. Supplied with 3 metre lead.
VITMR-EBDSPIR-PRM	Same as VITM4-EBDSPIR-PRM plus connector and ceiling rose.

EBMPIR



Miniature Ceiling Mounted PIR Presence Detector (Note: this detector does not support absence detection)

Order Code	Description
VITM4-EBMPIR-B	Basic presence detector with time and lux level switching. Supplied with 3 metre lead.
VITM4-EBMPIR-PRM	As VITM4-EBMPIR-B plus infrared override.

MWS6



Ceiling Mounted Microwave Presence Detector

Order Code	Description
VITM4-MWS6-PRM	Presence/absence detector, time and lux level switching with an infrared override. Supplied with 3 metre lead.
VITMR-MWS6-PRM	Same as VITM4-MWS6-PRM plus connector and ceiling rose.

MWS3A



Fully Adjustable Ceiling Mounted Microwave Presence Detector

Order Code	Description
VITM4-MWS3A-PRM	Fully adjustable ceiling mounted Microwave presence/absence detector. Supplied with 3 metre lead.
VITMR-MWS3A-PRM	Same as VITM4-MWS3A-PRM plus connector and ceiling rose.

See over for details of the Vitesse Modular Dimming range →

Dimming Modules

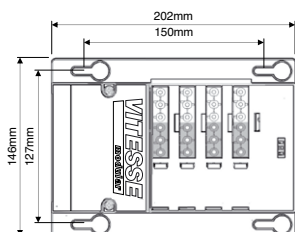
VITM6-S



Starter Dimming Module

Order Code	Description
VITM6-S	Starter Dimming Module with 4 outputs. Power Rating of system 16A (at 230VAC). Rating of each output 10A (at 230VAC).

Dimensions



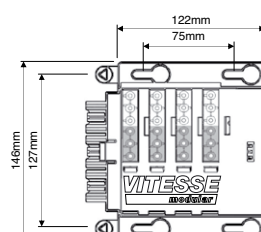
VITM6-E



Extender Dimming Module

Order Code	Description
VITM6-E	Extender Dimming Module with 4 outputs. Power Rating of system 16A (at 230VAC). Rating of each output 10A (at 230VAC).

Dimensions



VITM6-SL1



Pre-wired Dimming Package

Order Code	Description
VITM6-SL1	Pre-wired Dimming Package includes Starter Dimming Module, Ceiling Rose, 4 pole connector plug and 1 metre of cable. BESA box not included.

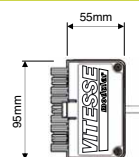
VITM6-SELVMOD



Dimming Module

Order Code	Description
VITM6-SELVMOD	Dimming Module – simple connection of switches using SELV removes the need for RCD protection. When used in conjunction with DS/DALI ballasts, the Module allows switching and up/down dimming.

Dimensions



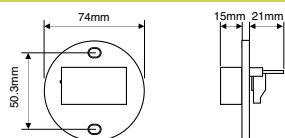
Dimming Accessories

Ceiling Rose



Order Code	Description
VITM-ROSE	Ceiling Rose with connector plug. BESA box not included. Power Rating of system 16A (at 230VAC).
VITM-ROSE-R	Ceiling Rose with Red connector plug. Suitable for emergency fittings. BESA box not included. Power Rating of system 16A (at 230VAC).
VITM-ROSE-NP	Ceiling Rose, no connector plug. BESA box not included. Power Rating of system 16A (at 230VAC).

Dimensions



Dual Detector Leads



Dual detector leads for dimming installations

Order Code	Description
VITM6-LD3-DD	Dual detector lead for Direct Dim detectors. Supplied with 3 metre lead.

Enables two detectors to be connected to module.

Luminaire Connectors



Luminaire connectors for dimming installations

Order Code	Description
VITM6-LPW	6 pole luminaire connector (white).
VITM6-LPR	6 pole luminaire connector (red).

Luminaire Leads Dimming



Order Code	Description
VITM6L503100W	5 core luminaire lead (white), 1.0mm ² , (3 metres).
VITM6L505100W	5 core luminaire lead (white), 1.0mm ² , (5 metres).
VITM6L603100R	6 core luminaire lead (red), 1.0mm ² , (3 metres).
VITM6L605100R	6 core luminaire lead (red), 1.0mm ² , (5 metres).
Other cable lengths are available upon request	

Order Code Guidelines for Cables

Prefix	Poles	Lead	Core	Length in Metres	Cable Area	Type	Plug Colour
VITM	4/6	L	3/4/5/6	03 or 05 (other lengths to order)	1mm ² (1.5mm ² to order)	0 = Isf	W (White) or R (Red) B (Black) to order

Dimming Detectors



EBDSPIR



Ceiling Mounted PIR Presence Detector

Order Code	Description
VITM6-EBDSPIR-DD	Direct Dim presence/absence detector DSI/DALI. Supplied with 3 metre lead.

EBMPIR

Miniature Ceiling Mounted PIR Presence Detector
(Note: this detector does not support absence detection)

Order Code	Description
VITM6-EBMPIR-DD	Direct Dim presence detector. Supplied with 3 metre lead.

MWS6



Ceiling Mounted Microwave Presence Detector

Order Code	Description
VITM6-MWS6-DD	Direct Dim presence/absence detector DSI/DALI. Supplied with 3 metre lead.

MWS3A



Fully Adjustable Ceiling Mounted Microwave Presence Detector

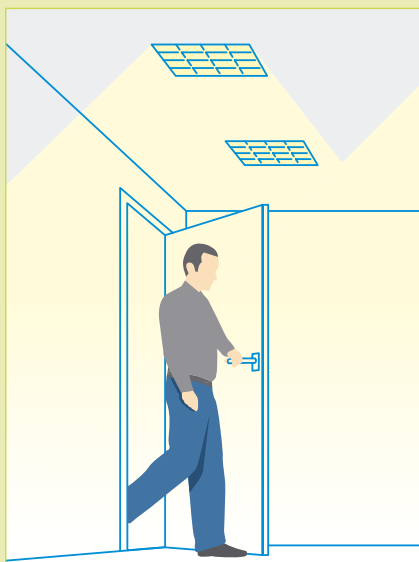
Order Code	Description
VITM6-MWS3A-DD	Direct Dim fully adjustable ceiling mounted Microwave presence detector DSI/DALI. Supplied with 3 metre lead.

← See over for details of the Vitesse Modular Switching range

Presence Detection

Presence detectors provide automatic switch on and off.

Presence detection explained

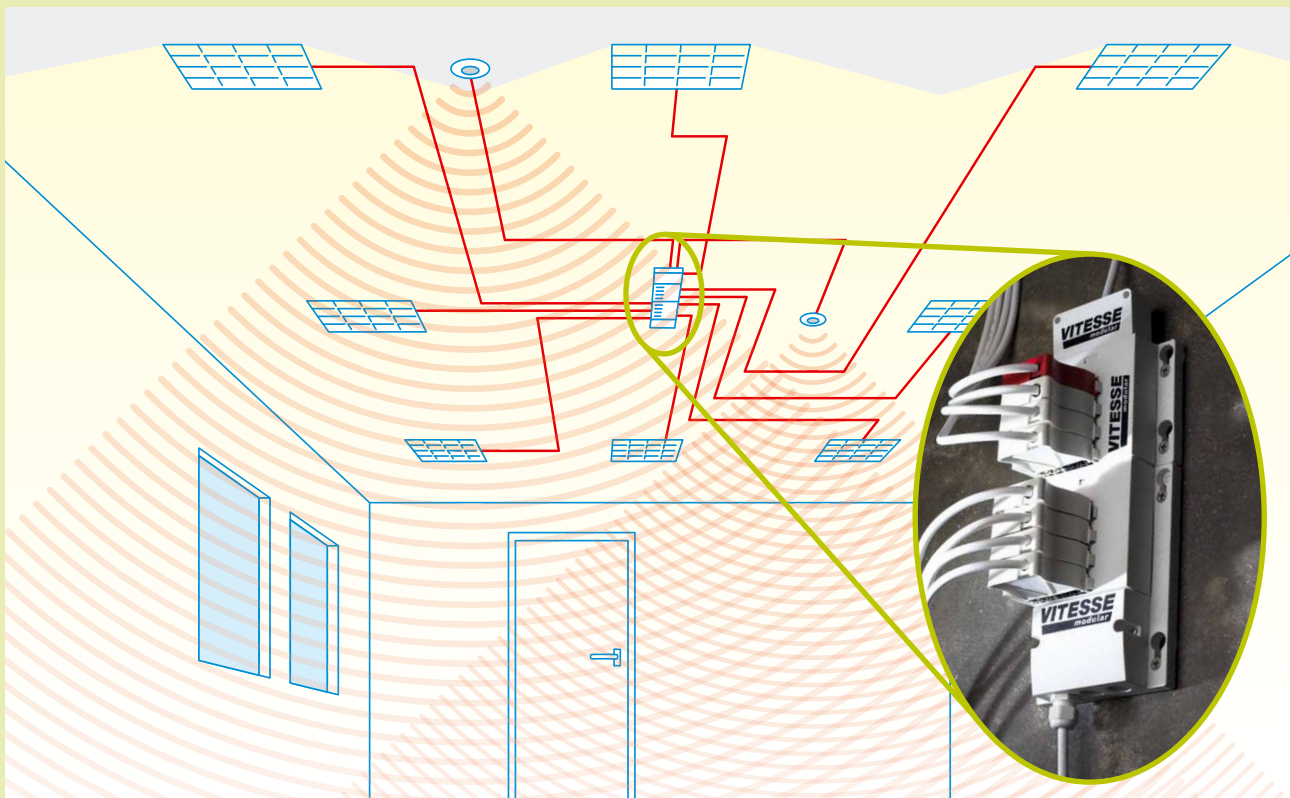


Presence detectors will switch on lighting automatically upon people entering the room, and switch off lighting automatically when no movement is detected.

Applications:

Used to light areas ahead to avoid hazards and provide maximum convenience for the user. Also improves installation time and lowers cost as no wall switch is required.

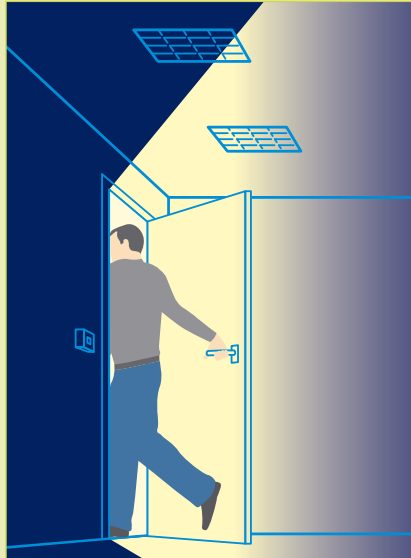
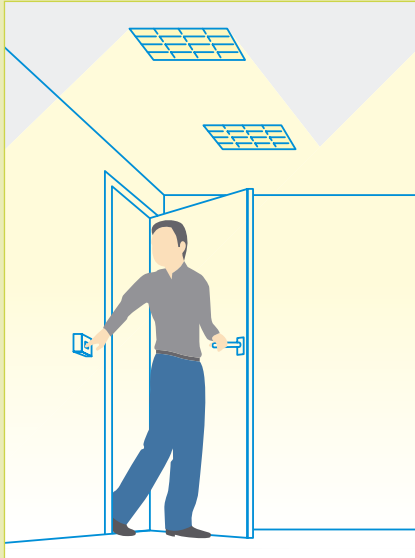
Presence detection example



Absence Detection

Absence detectors provide manual switch on and automatic switch off.

Absence detection explained

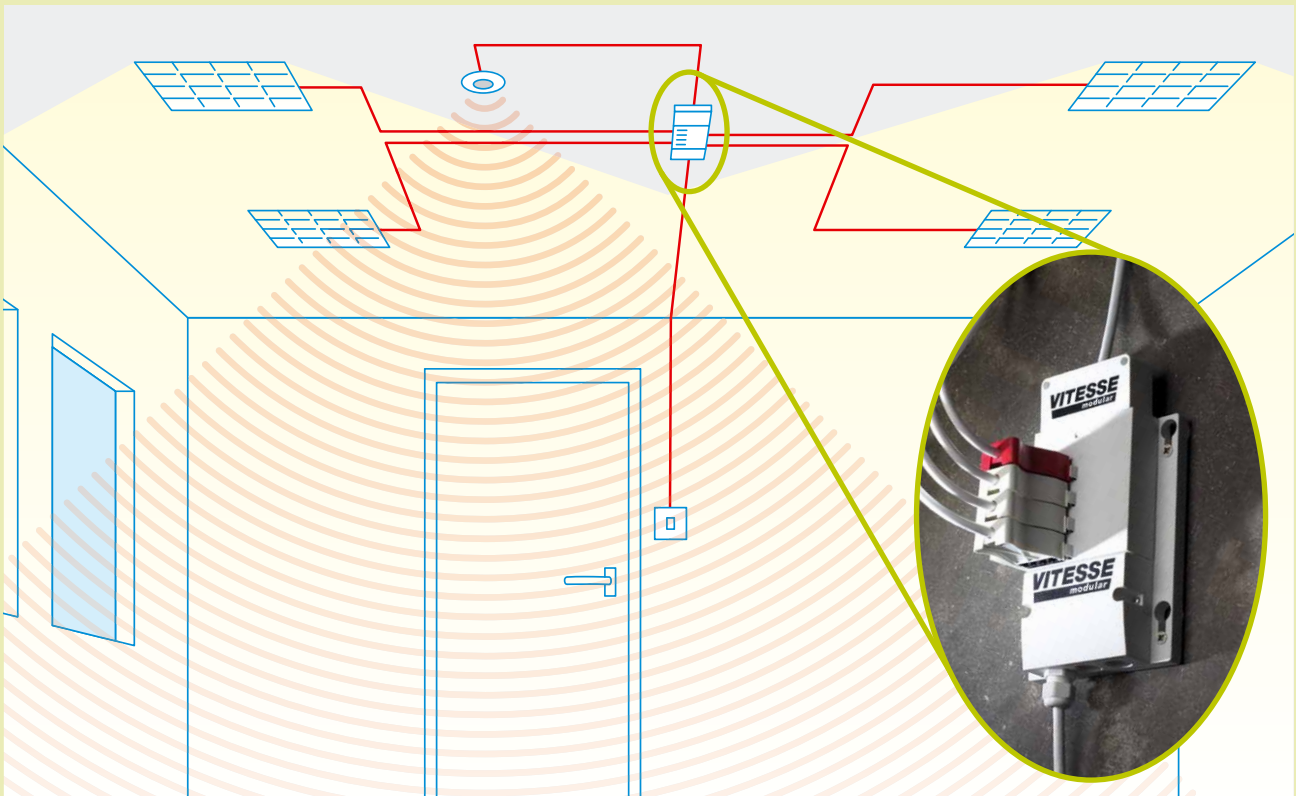


Upon entering the room the person switches on the light as normal but, when leaving, the absence detector switches off the lighting automatically.

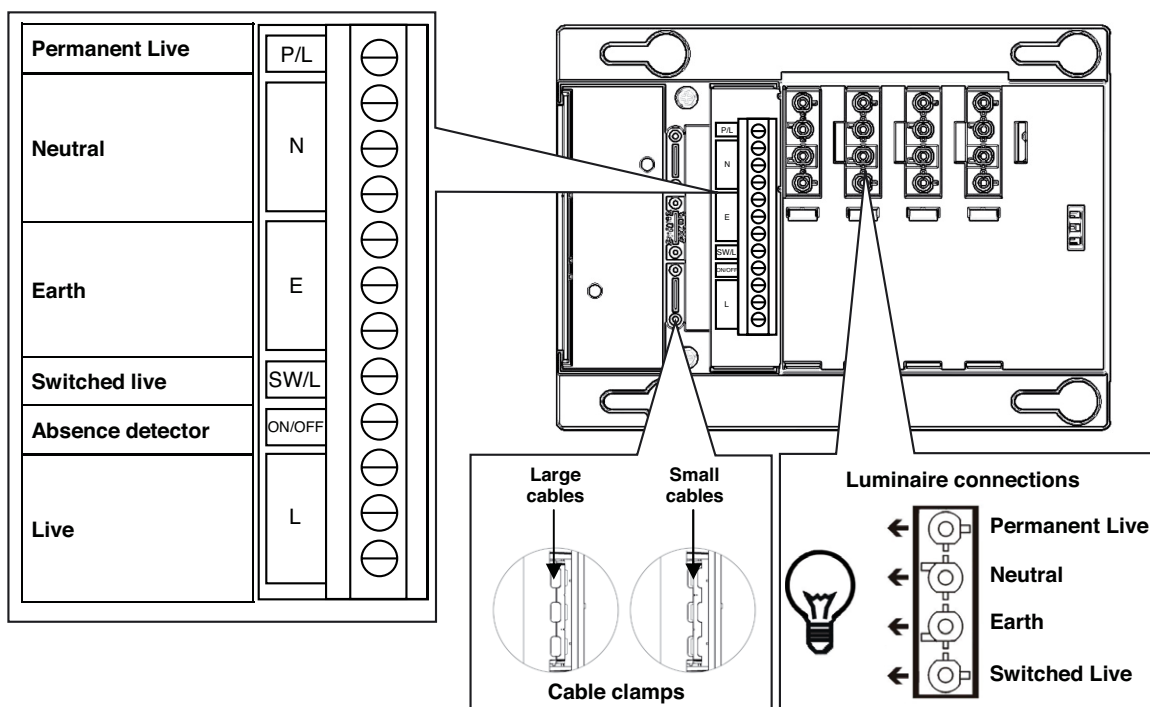
Applications:

Commonly used when any delay of illumination could be a hazard. Also improves energy efficiency by only turning the lights on if and when the user needs them.

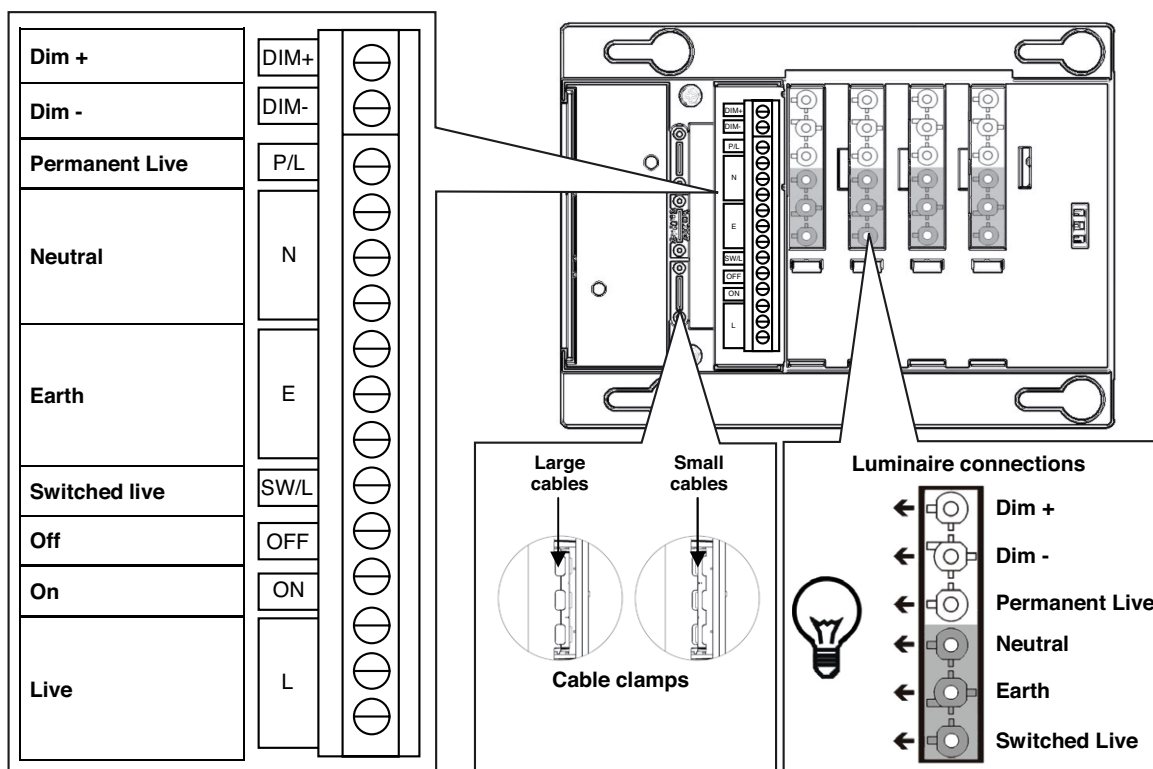
Absence detection example



VITM4 general wiring – switching



VITM6 general wiring – dimming



Our products

CP Electronics are at the forefront of controls technologies, and continuously drive new, innovative products. Of course, we also understand this is just part of the picture:

Stock – we are proud of our stock control and scheduling processes as they ensure a high level of stock availability for you, our customer.

Distribution – our products are available from an established, nationwide network of stockists.

Sales Support – our UK-based team are knowledgeable and experienced, and we take pride in providing a personal, non-automated service.

Technical Support – from initial briefing and advice to commissioning, we understand your needs so we can apply the right solution to the application.



Our catalogue

CP Electronics catalogue

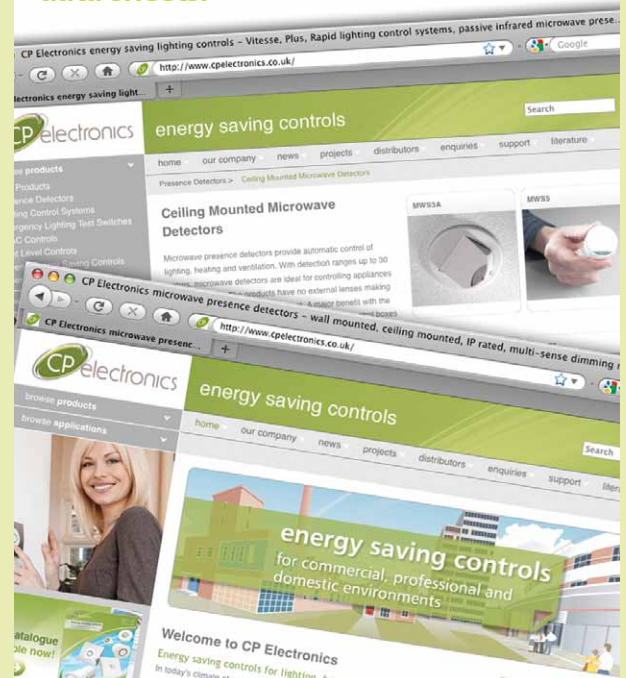
Ask your stockist for a copy of our latest catalogue.



Our website

www.cpelectronics.co.uk

Visit our website for stockist details and technical information including product data sheets.





Vitesse Modular™ is:

Patent Pending

EU registered design no. 001587544-0001
& 001587544-0002

Unit 2
Abbey Manufacturing Estate
Mount Pleasant
Wembley
Middlesex HA0 1RR
United Kingdom

t. +44 (0)333 900 0671

f. +44 (0)333 900 0674

info@cpelectronics.co.uk

www.cpelectronics.co.uk