



# Energy saving controls



Easy to fit energy saving controls and connection products for lighting, heating or ventilation.



## About CP Electronics

CP Electronics has been a leading designer and manufacturer of commercial, public sector and domestic lighting control solutions for over 40 years.

Our products help to comply with all the latest Government legislation and help you save energy. Our innovation and commitment to quality is reflected in the following accreditations:



FM 45789



EMS 534520



energy services and technology association



# Take your first steps towards energy saving.

### Movement Sensing Guide

Presence, absence and lux level sensing explained.

Pages 4-5



### Ceiling PIR Sensors

Ceiling mounted passive infrared (PIR) movement sensors for the automatic control of lighting, heating and ventilation.

Pages 6-11



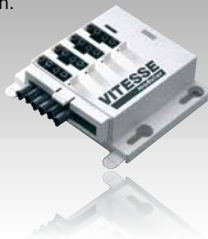


green-i has been developed to save you energy on your lighting, heating and ventilation. This stylish and subtle range – made up of movement sensors, control systems, switches and timers – allows you to easily take control of your energy usage by providing simple and effective control solutions.

### Vitesse Modular™

Simple and adaptable lighting connection system with scalable modular design.

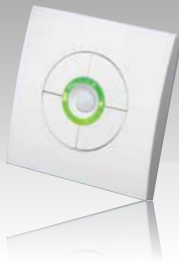
Pages 13–23



### Wall Mounted PIR Sensors & Dimmers

Wall mounted passive infrared (PIR) movement sensors for the automatic control of lighting, heating and ventilation.

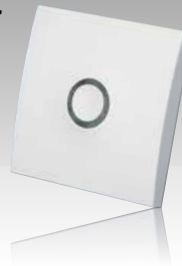
Pages 24–37



### Timers

Time delay and time lag switches suitable for the control of lighting, heating and ventilation.

Pages 38–52



### Light Level Controls

Photocells for the automatic control of lighting, suitable for use in internal and external applications.

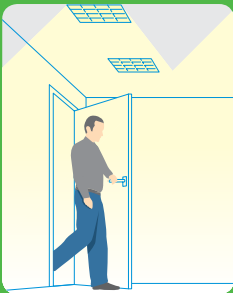
Pages 53–54



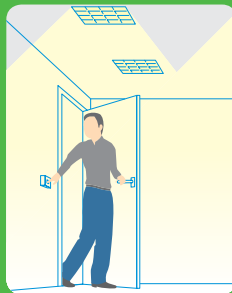


## Presence and Absence Detection Explained

Sensors can be set for presence or absence detection (subject to model), depending on room usage and/or specific regulations.



Presence mode: Sensors automatically switch lights on when a room is occupied, and off when the room is empty.



Absence mode: Requires a user to manually switch lights on. Sensors switch lights off when the room is empty.







## Lux Level Sensing Explained

Sensors with lux level functionality can save even more energy. They react to daylight, ensuring that lights stay off if there is sufficient natural light. They'll only turn lights on when natural light falls below a pre-set level.

Sensors without lux level functionality are ideally suited to switch lighting in rooms without any natural light.



No lux sensing: Presence detected, sensors automatically switch lights on. No presence detected, lights off.



Lux sensing: Presence detected, but lights only switch on when daylight falls below a minimum level.



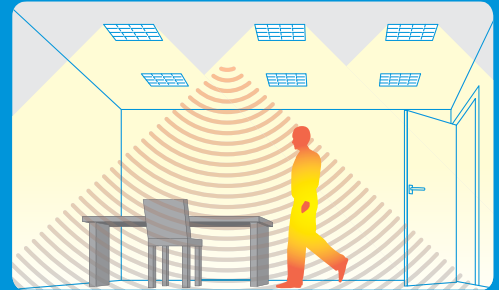
Movement  
Sensing Guide

## Introduction to Ceiling PIR Movement Sensors

Available as flush or surface mounted, these easy to install infrared movement sensors automatically turn lights on when an area is occupied, and off when it's vacated. These clever sensors can also react to daylight, so if there's enough natural light in the selected area, they'll keep lights off.

**These sensors reduce the time lighting is left on unnecessarily, and help with safety by ensuring occupied areas are always well lit.**

See Pages 4–5 for our movement sensing guide.



PIR movement sensors work by detecting the movement of body heat. Ideal for spaces where a defined detection pattern is required.

### Load Capacity Key

Suitable for the control of:  Lighting  Heating  Ventilation



## Ceiling PIR Sensors












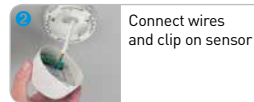
## Surface Mounted PIR Movement Sensor

A surface mounted movement sensor with easy push button set up, that provides auto on/ auto off switching.

### Features

-  Movement sensor auto on/auto off
-  Works with any type of lamp
-  Switches any type of load
-  Lux level sensing
-  IP54 rating
-  Adjustable timer
-  Knockouts for conduit/side entry wiring

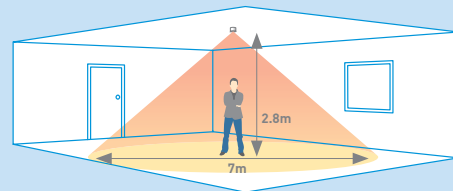
### Simple Installation



Order Code	Description
GESM	Surface mounted PIR movement sensor

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
10A	10A	6A	3A	3A	10s-30m
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

### Detection Pattern



Area of high sensitivity  Area of lower sensitivity 










## Flush Mounted PIR Movement Sensor



**A low profile, flush mounted movement sensor that provides auto on/auto off switching.**

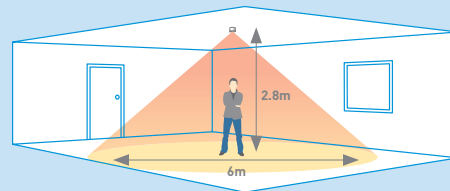
### Features

-  Movement sensor auto on/auto off
-  Works with any type of lamp
-  Switches any type of load
-  Lux level sensing
-  Adjustable timer

Order Code	Description
GEFL	Flush mounted PIR movement sensor

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
8A	8A	4A	3A	3A	1m-30m
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

### Detection Pattern



Area of high sensitivity  Area of lower sensitivity 

### Simple Installation

- 

1 Cut 64mm hole
- 

2 Attach pluggable connector to sensor
- 

3 Sensor is held firmly in place by spring clips








## Surface Mounted PIR Movement Sensor



A surface mounted movement sensor that can be easily mounted onto a single gang standard switchbox.

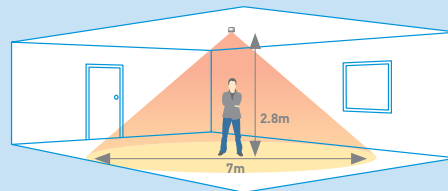
### Features

-  Movement sensor auto on/auto off
-  ANY TYPE OF LOAD Switches any type of load
-  Lux level sensing
-  IP55 rating available
-  Adjustable timer

Order Code	Description
<b>SPIR-F/C</b>	Square PIR ceiling mounted movement sensor
<b>SPIR-F/C/IP</b>	As SPIR-F/C plus suitable for damp environments (IP55)

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
16A	10A	6A	3A	3A	10s-30m
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

### Detection Pattern



Area of high sensitivity  Area of lower sensitivity 

GIMB




## Miniature Batten Mount PIR Movement Sensor



A selection of fixing washers are supplied to aid fixing to a variety of luminaires.

A miniature movement sensor that provides auto on/auto off switching. Designed for mounting onto a batten style luminaire. IP65 rated, therefore suitable for outdoor use as well as wet and damp areas.

### Features

-  Movement sensor auto on/auto off
-  IP65 rating
-  Works with any type of lamp

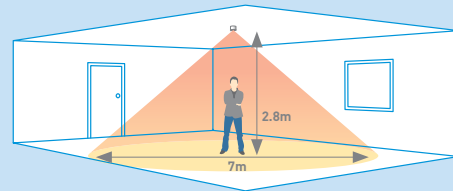
T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
GIMB	Miniature batten mount PIR movement sensor

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
2A	2A	2A	2A	2A	10m

R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp

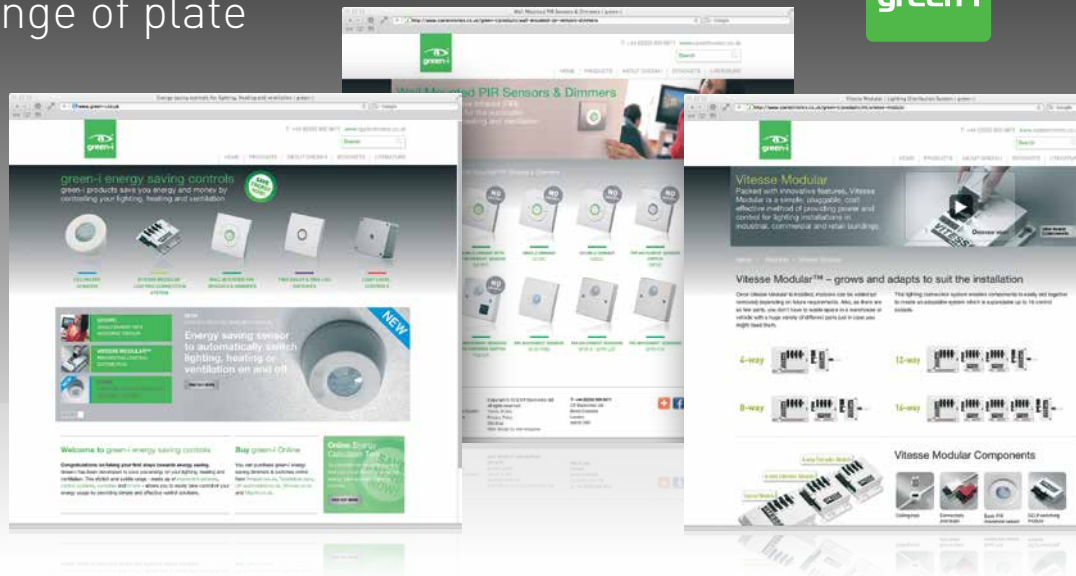
### Detection Pattern



Area of high sensitivity  Area of lower sensitivity 

Visit **www.green-i.co.uk** for more information on our range of plate mounted and easy to fit products

- Product user guides
- Stockist locator
- Energy saving calculator





## Introduction to Vitesse Modular™

- Pluggable
- Adaptable
- Expandable

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

This lighting connection system enables components to easily slot together to create an **adaptable** system which is **expandable** up to 16 control outputs.



Vitesse Modular™

# Vitesse Modular™ – grows and adapts to suit the installation

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.

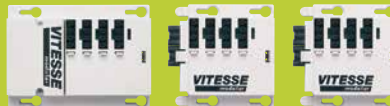
4-way



8-way



12-way



16-way



## Endorsements

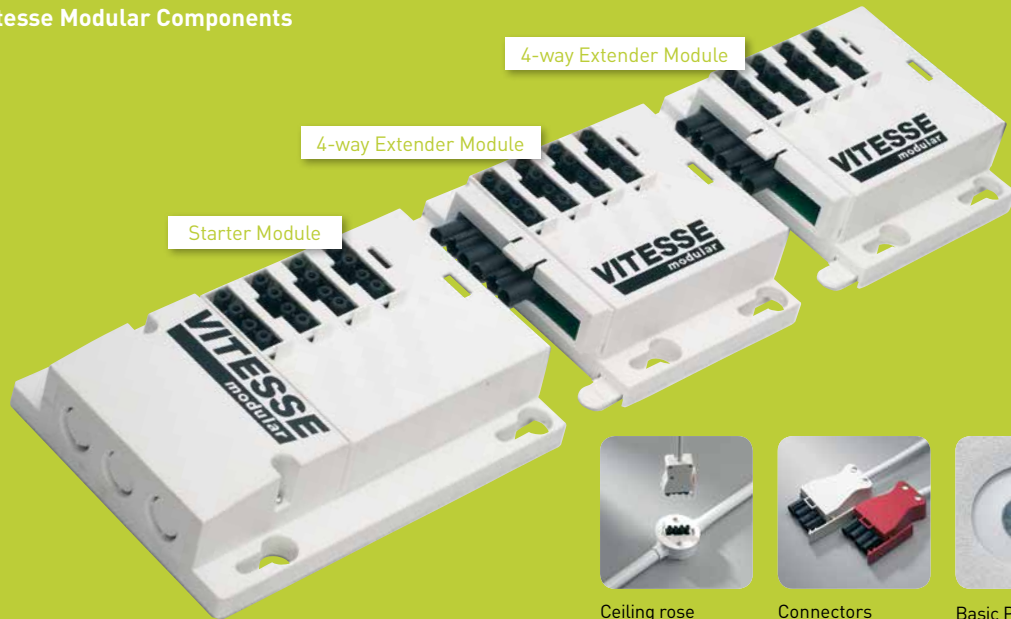
"It's a pleasure to work with such a practical and adaptable product that feels and behaves as if it was invented by a fellow electrician."

**Ryan King and Callum Phillips, Electrical Installers**

"The Vitesse Modular system is a remarkable product, not to mention a cost-effective one. We enthusiastically recommend it to all of our customers."

**Chris Allum, Managing Director**  
**Electrical Management Services (EMS) Ltd**

## Vitesse Modular Components



Ceiling rose  
See page 20



Connectors  
and leads  
See page 23



Basic PIR  
movement sensor  
See pages 20



SELV switching  
module  
See page 21



Vitesse Modular™

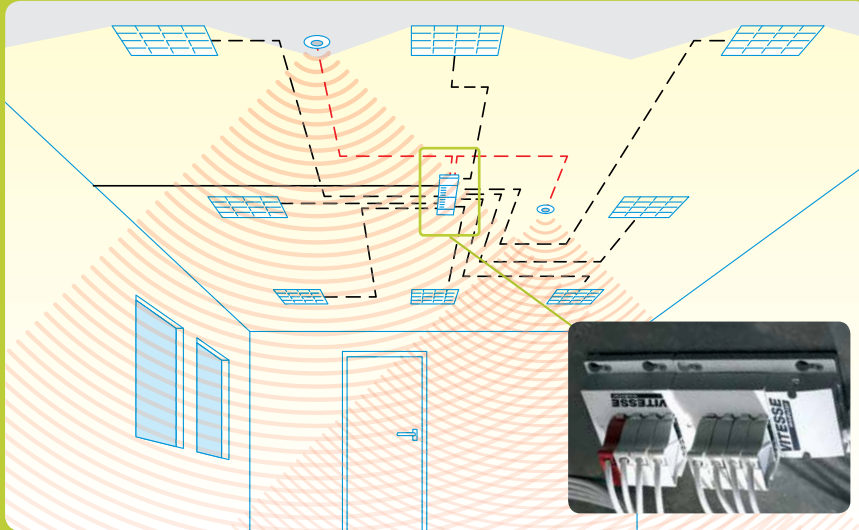
# Presence detection wiring example shows 8-way system with two movement sensors

## Set-up

- Two motion sensors configured for presence detection and Lux Level sensing.
- Ceiling lights wired into Vitesse Modular, and controlled by two movement sensors.

## Operation

- Lights switch on automatically when someone first enters the room.
- Lights switch off automatically when the room is unoccupied, or if natural light reaches a sufficient level.



## Key

- Power supply
- Control lead/connection
- Dual sensor lead
- Switch drop
- Movement sensor
- Wall plate
- Vitesse Modular

# Wiring example shows 4-way system with wall plate



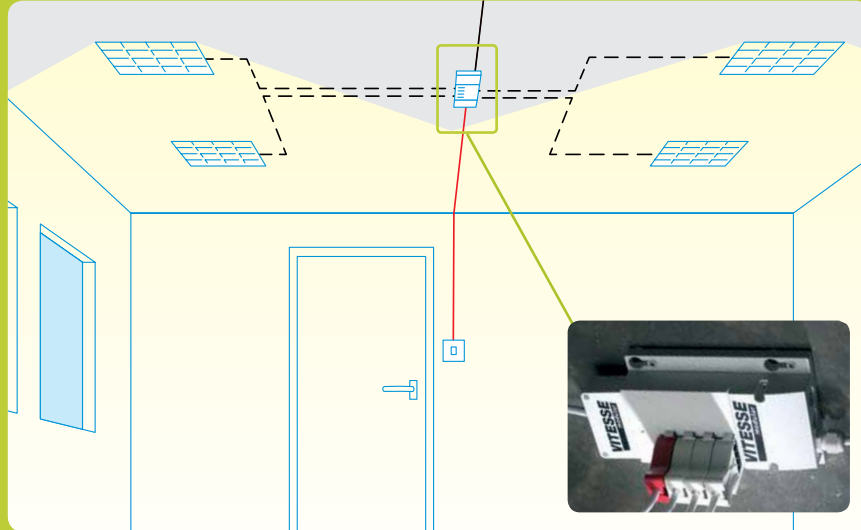
Vitesse Modular™

## Set-up

- Ceiling lights connected to Vitesse Modular and controlled by a single wall plate connected via the SELVMOD. No mains voltage switch wires routed along the walls removes the need for RCD protection under the 17th Edition regulations.

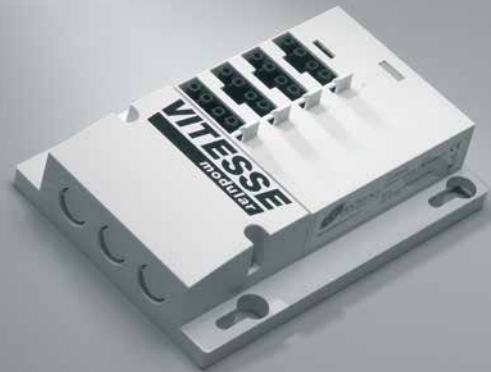
## Operation

- Occupant switches lights on and off manually when entering and leaving the room.
- Optional time delay setting on SELVMOD.





## Starter Module



### The VITM4-S is the first step in an effective lighting connection system.

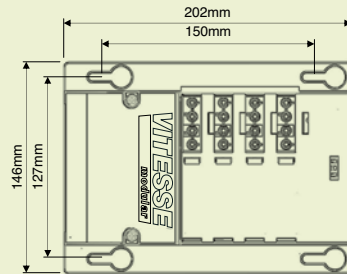
This four-way starter module provides power and control for lighting installations.

Once it's installed, modules can be easily added or removed depending on future requirements and layouts.

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
<b>VITM4-S</b>	Starter module with 4 outputs. Power rating of system 16A (at 230VAC). Rating of each output 10A (at 230VAC).

#### Dimensions



Compatible with Basic Movement Sensor

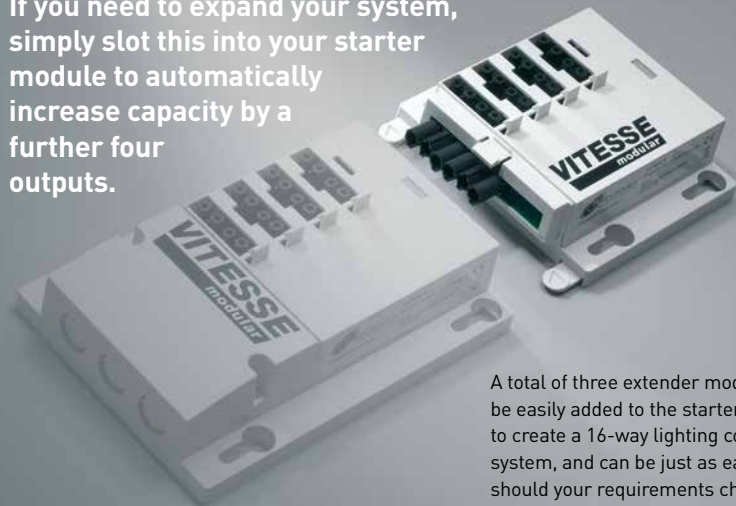
See Page 20





## Extender Module

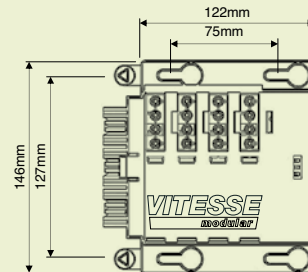
If you need to expand your system, simply slot this into your starter module to automatically increase capacity by a further four outputs.



A total of three extender modules can be easily added to the starter module to create a 16-way lighting connection system, and can be just as easily removed should your requirements change.

Order Code	Description
<b>VITM4-E</b>	Extender module with 4 outputs. Power rating of system 16A (at 230VAC). Rating of each output 10A (at 230VAC).

### Dimensions



For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)



VITM-ROSE



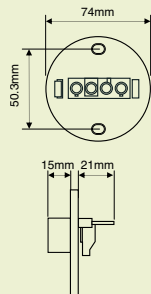
## Ceiling Rose/Conduit Box Connection



This ceiling rose allows the Vitesse Modular system to be powered by an electrical supply.

Order Code	Description
<b>VITM-ROSE</b>	Ceiling rose with connector plug. Power rating of system 16A (at 230VAC).

### Dimensions



VITM4-EBDSPIR-B







## Basic Movement Sensor



A low profile, flush mounted movement sensor that provides auto on/auto off switching.

Comes supplied with a pre-wired 3 metre lead

### Features

-  Movement sensor auto on/auto off
-  Works with any type of lamp
-  Lux level sensing
-  Adjustable timer

Order Code	Description
<b>VITM4-EBDSPIR-B</b>	Basic Movement sensor with time and lux level switching. Supplied with 3 metre lead

**Detection Pattern** As GESM See Page 8





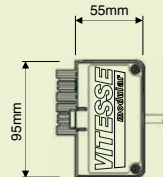
## Switching Module

The switching module can be added to any combination of starter and extender modules. See Pages 18–19

Allows switches in parallel for two way and intermediate switching, and has an optional time delay function.

Order Code	Description
VITM4-SELVMOD	SELV switching module

### Dimensions



Installation and user guides available online

[www.green-i.co.uk](http://www.green-i.co.uk)





## Pre-wired Package



**This handy pre-wired package contains four crucial components of the Vitesse Modular system:**

- ✓ Starter Module
- ✓ 4 Pole Connector
- ✓ Ceiling Rose
- ✓ 1 Metre Cable

Just add leads to have a simple system up and running in minutes.

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
VITM4-SL1	Pre-wired starter module package



Starter Module



Ceiling Rose



1 Metre Cable &  
4 Pole Connector

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)



## Connectors & Leads



### Movement sensor leads for switching installations.

These 3 metre leads enable either one or two sensors to be connected to a Vitesse module.

### Luminaire leads.

Allow a convenient connection load from Vitesse modular to luminaires. Available in white or red.

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

#### Movement Sensor Leads

Order Code	Description
<b>VITM4-L3-B</b>	3 metre single sensor lead
<b>VITM4-LD3-B</b>	3 metre dual sensor lead

#### Luminaire Leads

Order Code	Description
<b>VITM4L303100W</b>	3 core luminaire lead (white), 1.0mm <sup>2</sup> , (3 metres)
<b>VITM4L305100W</b>	3 core luminaire lead (white), 1.0mm <sup>2</sup> , (5 metres)
<b>VITM4L403100R</b>	4 core luminaire lead (red), 1.0mm <sup>2</sup> , (3 metres)
<b>VITM4L405100R</b>	4 core luminaire lead (red), 1.0mm <sup>2</sup> , (5 metres)

#### Connectors

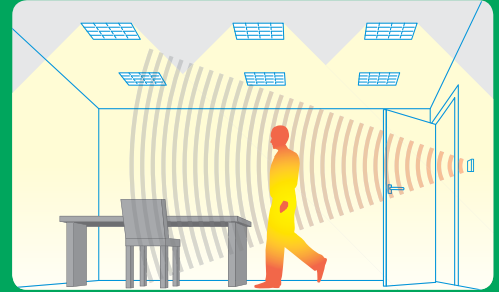
Order Code	Description
<b>VITM4-LPR</b>	4 pole luminaire connector (red)
<b>VITM4-LPW</b>	4 pole luminaire connector (white)

## Introduction to Wall Mounted PIR Movement Sensors

These wall mounted movement sensors use infrared technology to automatically turn lights on when an area is occupied, and off when it's not.

Just like their ceiling mounted counterparts, they react to daylight, keeping lighting off if there's sufficient natural light. Absence sensing is also available on some models.

See Pages 4–5 for our movement sensing guide.



PIR movement sensors work by detecting the movement of body heat. Ideal for spaces where a defined detection pattern is required.

### Load Capacity Key

Suitable for the control of:  Lighting  Heating  Ventilation



## Wall Mounted PIR Sensors & Dimmers



GI1DPC



## Single Dimmer with PIR Movement Sensor



**NO  
NEUTRAL**

Optional remote control

See page 30



Interchangeable cover plates

See page 31



**A stylish single dimmer which automatically turns lights on and off.**

### Standard features

- Digital control
- Absence/presence mode available. See page 4
- Lux level sensing
- Stylish green LED ring
- Adjustable timer

### Features accessible with optional remote control (sold separately)

- Four programmable scenes
- Dimmer fade speed adjustment
- Security mode
- Night light mode

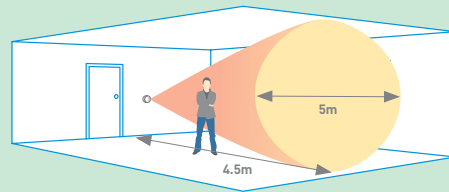
T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
GI1DPC	<b>No neutral</b> single channel movement sensor dimmer switch, remote control compatible (available separately)

Load Rating at 230VAC				Time Delay
LVH	I	F	CFL	
Min 60W–Max 300W*	Min 60W–Max 300W	NA	NA	1m–30m

LVH = Low Voltage Halogen I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp

### Detection Pattern



Area of high sensitivity Area of lower sensitivity

GI2DPC



## Double Dimmer with PIR Movement Sensor



**NO  
NEUTRAL**

Optional remote control

See page 30



Interchangeable cover plates

See page 31



**A stylish double dimmer which automatically turns lights on and off.**

### Standard features

- Double dimmer
- Digital control
- Absence/presence mode available. See page 4
- Lux level sensing
- Stylish green LED ring
- Adjustable timer

### Features accessible with optional remote control (sold separately)

- Four programmable scenes
- Dimmer fade speed adjustment
- Security mode
- Night light mode

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

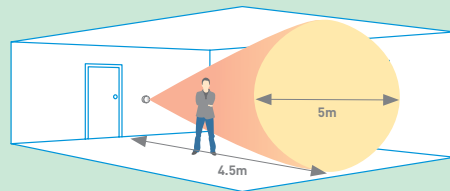
Order Code	Description
GI2DPC	<b>No neutral</b> dual channel movement sensor dimmer switch, remote control compatible (available separately)

Load Rating at 230VAC				Time Delay
LVH	I	F	CFL	
Min 60W–Max 150W per channel*	Min 60W–Max 150W per channel	NA	NA	1m–30m

LVH = Low Voltage Halogen I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp

\*transformer must be suitable for leading edge dimming

### Detection Pattern



Area of high sensitivity Area of lower sensitivity

GI1DC



## Single Dimmer



**NO  
NEUTRAL**

Optional remote control

See page 30



Interchangeable cover plates

See page 31



## A stylish dimmer switch for single lighting points.

### Standard features



Digital control



Stylish green LED ring



Adjustable timer

### Features accessible with optional remote control (sold separately)



Four programmable scenes



Dimmer fade speed adjustment



Security mode



Night light mode

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
GI1DC	<b>No neutral</b> single channel dimmer switch, remote control compatible (available separately)

Load Rating at 230VAC				Time Delay
LVH	I	F	CFL	
Min 60W–Max 300W*	Min 60W–Max 300W	NA	NA	1m–30m
LVH = Low Voltage Halogen I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp				

\*transformer must be suitable for leading edge dimming

Installation and user guides available online

[www.green-i.co.uk](http://www.green-i.co.uk)







## Double Dimmer



Optional remote control

See page 30







Interchangeable cover plates

See page 31







## A stylish dimmer switch for dual lighting points.

### Standard features

-  Double Dimmer
-  Digital control
-  Stylish green LED ring
-  Adjustable timer

### Features accessible with optional remote control (sold separately)

-  Four programmable scenes
-  Dimmer fade speed adjustment
-  Security mode
-  Night light mode

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
GI2DC	<b>No neutral</b> dual channel dimmer switch, remote control compatible (available separately)

Load Rating at 230VAC				Time Delay
LVH	I	F	CFL	
Min 60W–Max 150W per channel*	Min 60W–Max 150W per channel	NA	NA	1m–30m

LVH = Low Voltage Halogen I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp

\*transformer must be suitable for leading edge dimming

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)







## Multi-function Remote Control



**Remotely control your green-i dimmer switch and add even more features.**

### Multi-function remote control features

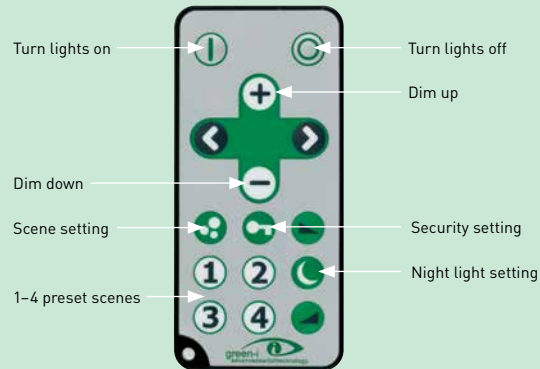
-  Four programmable scenes
-  Dimmer fade speed adjustment
-  Security mode
-  Night light mode

### Compatible with:

GI1DPC, GI2DPC, GI1DC and GI2DC

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
GIRC	Multi-function remote control



Installation and user guides available online

[www.green-i.co.uk](http://www.green-i.co.uk)



## Cover Plates

**Easy to replace cover plate to suit your decor.**

### Cover plate features

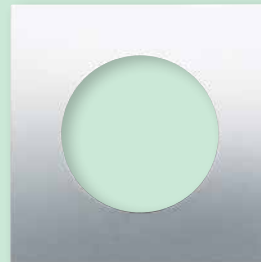
- Easy to change using a screwdriver, no specialist tools necessary.
- Choice of colours
- Stylish, ergonomic low profile

### Compatible with:

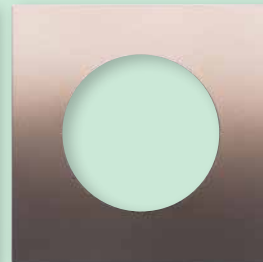
wall plates on pages 26–29, 32

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
<b>GIFP-ST</b>	Silver effect cover plate
<b>GIFP-BZ</b>	Bronze effect cover plate



Silver effect



Bronze effect

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)





## PIR Movement Sensor Switch



**NO  
NEUTRAL**







Interchangeable  
cover plates  
See page 31



## A stylish switch which automatically turns lighting on and off.

Additional manual on/auto off setting available.

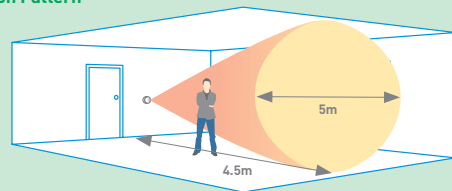
### Features

-  Absence/presence mode available. See page 4
-  Lux level sensing
-  Switches any type of load
-  Works with any type of lamp
-  Security mode
-  Adjustable timer

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code		Description				
GIPDC		No neutral movement sensor switch				
Compatible with all lamp types					Time Delay	
LVH / H / I	F	CFL	2DF	LED		
10A	10A	10A	10A	10A		
LVH = Low Voltage Halogen H = Halogen I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp 2DF = 2D Fluorescent						

### Detection Pattern



Area of high sensitivity Area of lower sensitivity

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)





## PIR Movement Sensors








PDS-PRM/S

### A modern quick-fit movement sensor.

This sensor does not require a neutral connection so it can quickly replace an existing light switch.

#### Features

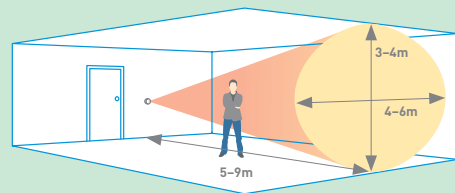
-  Movement sensor auto on/auto off
-  Switches any type of load
-  Works with any type of lamp
-  Lux level sensing
-  Adjustable timer

Order Code	Description
PDS-PRM	<b>No neutral</b> PIR movement sensor with lux level sensing and time delay function
PDS-PRM/S	<b>No neutral</b> PIR movement sensor with lux level sensing and time delay function, with faceplate fixing screws

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
10A	10A	10A	10A	10A	1m-30m

**R** = Resistive **I** = Incandescent **F** = Fluorescent **CFL** = Compact Fluorescent Lamp

#### Detection Pattern



Area of high sensitivity  Area of lower sensitivity 







## PIR Movement Sensor



### An established, low cost, quick-fit movement sensor.

This sensor does not require a neutral connection so it can quickly replace an existing light switch.

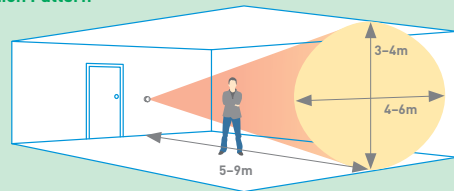
#### Features

-  Movement sensor auto on/auto off
-  Lux level sensing
-  Adjustable timer
-  Works with any type of lamp

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description				
PDS	No neutral PIR movement sensor with lux level sensing and time delay function				
Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
N/A	10A	6A	3A	3A	5m-1h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

#### Detection Pattern



Area of high sensitivity Area of lower sensitivity

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)





## PIR Movement Sensors with Override Switch



### A low cost movement sensor with override switch.

This sensor does not require a neutral connection so it can quickly replace an existing light switch.

#### Features

- Movement sensor auto on/auto off
- Lux level sensing
- Adjustable timer

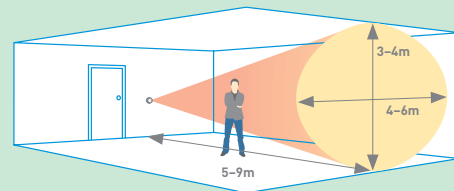
An **absence mode** version of this switch is available. See Page 4 for movement sensor guide

Order Code	Description
PDS/OV	<b>No neutral</b> PIR movement sensor with lux level sensing, override switch and time delay function
PDS-ABS/OV	<b>No neutral</b> PIR movement sensor with lux level sensing, override switch, time delay function and absence mode

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
N/A	10A	6A	3A	3A	5m-1h

R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp

#### Detection Pattern



Area of high sensitivity Area of lower sensitivity








## PIR Movement Sensor



### A modern movement sensor with lux level sensing.

Fits a single gang standard switch box or a shallow back box with extender (supplied).

#### Features

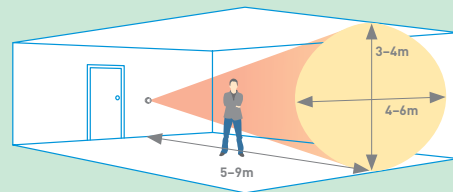
-  Movement sensor auto on/auto off
-  Switches any type of load
-  Lux level sensing
-  Adjustable timer
-  Works with any type of lamp

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
<b>SPIR-PRM</b>	PIR movement sensor with lux level sensing and time delay function

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
16A	10A	6A	3A	3A	10s-1h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

#### Detection Pattern



Area of high sensitivity  Area of lower sensitivity 

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)







## PIR Movement Sensors



The SPIR range of movement sensors are easy to install onto a single gang standard switch box.

### SPIR-F

A simple movement sensor ideal for automatic switching.

### SPIR-LSF

This light sensor option provides additional energy saving in lighting applications by using lux level sensing.

### SPIR-FVF

This version is a voltage free contact option and suitable for use with BMS and control applications.

### Features



Movement sensor auto on/auto off



Switches any type of load



Lux level sensing



Adjustable timer



Works with any type of lamp

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
<b>SPIR-F</b>	PIR movement sensor with time delay function
<b>SPIR-LSF</b>	As SPIR-F plus lux level sensing

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
16A	10A	6A	3A	3A	10s–1h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

Order Code	Description
<b>SPIR-FVF</b>	As SPIR-F plus voltage free contact

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
10A	10A	6A	3A	3A	10s–1h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent					



## Timers




## Time Lag switches

Time lag switches are a quick and effective way to reduce energy consumption for lighting applications. Our range of time lag switches do not require a neutral connection, therefore they can easily replace an existing light switch.

## Multi Range Timers

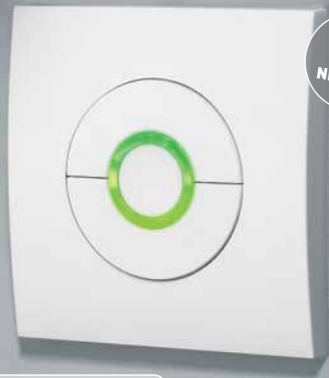
Multi range timers are ideal for any application that requires an appliance to be switched on for a specific period of time. The powerful relay output makes the timer suitable for the control of loads from fluorescent lighting up to a 2KW heating load.

### Load Capacity Key

Suitable for the control of:  Lighting  Heating  Ventilation



## Time Delay Switch



**NO  
NEUTRAL**

Interchangeable  
cover plates

See page 31



### A stylish no neutral time delay switch.

Can be used as a switch for lighting, heating or ventilation (Maximum 10 Amps), providing accurate timed control.

#### Standard Features



Switches any type of load



Works with any type of lamp



Stylish green LED ring



Adjustable timer

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Order Code		Description				
GITLC		No neutral time delay switch				
Compatible with all lamp types					Time Delay	
LVH / H / I	F	CFL	2DF	LED		
10A	10A	10A	10A	10A	1m-30m 15m-2h	
LVH = Low Voltage Halogen H = Halogen I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp 2DF = 2D Fluorescent						

Vitesse Modular connection system

See Pages 12-23





## Push Button Time Lag Switches



ELLIPSE-TN

### Push button time lag switch with neon indicator.

Direct replacement for an existing light switch, making it a quick and inexpensive unit to install.

The large push button makes it an ideal replacement for mechanical or pneumatic time lag switches.

The ELLIPSE-TN has a neon indicator to locate the switch in the dark.

#### Features



Adjustable timer



Works with any type of lamp

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description			
ELLIPSE	No neutral Push button time lag switch			
ELLIPSE-TN	No neutral Push button time lag switch c/w neon			
Load Rating at 230VAC				Time Delay
I	F	CFL	LED	
10A	10A	10A	10A	10s–20m
I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp				

Installation and user guides available online

[www.green-i.co.uk](http://www.green-i.co.uk)



KH1



## Push Button Time Lag Switches



KH1N

The KH1/KH1N push button time lag switches are replacements for an existing light switch.

The KH1 series has the additional feature of being able to use slave push button switches to allow one timer to be controlled from a number of locations

The KH1N has a neon indicator to locate the switch in the dark.

### Features



Adjustable timer



Works with any type of lamp

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
KH1	<b>No neutral</b> push button time lag switch
SLV1	Slave push button for KH1 & KH1N
KH1N	<b>No neutral</b> push button time lag switch c/w neon

Load Rating at 230VAC				Time Delay
I	F	CFL	LED	
10A	10A	10A	10A	10s-20m
I = Incandescent   F = Fluorescent   CFL = Compact Fluorescent Lamp				

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)





## Touch Activated Time Lag Switches





**KH2 and KH2N touch activated time lag switches are suitable for areas where vandalism may occur.**

Both switches are operated by pressing the tamperproof touch activated pad on the front of the switch.

The neon indicator on the KH2N means the switch can be easily located in the dark.

### Features

-  Adjustable timer
-  Works with any type of lamp

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
KH2	<b>No neutral</b> touch activated time lag switch
KH2N	<b>No neutral</b> touch activated time lag switch c/w neon

Load Rating at 230VAC				Time Delay
I	F	CFL	LED	
10A	10A	10A	10A	10s-20m
I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp				

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)



KH3



## Weatherproof Touch Activated Time Lag Switches






KH3N

## The KH3 and KH3N are weatherproof, touch activated time lag switches.

Both units are operated by a tamperproof touch activated pad on the front of the switch. The unit is mounted in an IP66 enclosure and is designed for outdoor use or where moisture is present.

The neon indicator on the KH3N means that the switch can be easily located in the dark.

### Features

-  Adjustable timer
-  IP66 rating
-  Works with any type of lamp

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description
KH3	<b>No neutral</b> weatherproof touch activated time lag switch
KH3N	<b>No neutral</b> weatherproof touch activated time lag switch c/w neon

Load Rating at 230VAC				Time Delay
I	F	CFL	LED	
10A	10A	10A	10A	10s-20m
I = Incandescent   F = Fluorescent   CFL = Compact Fluorescent Lamp				

Vitesse Modular connection system

See Pages 13-23









## Push Button Timer



### Low profile push button timer with concealed fixings.

This simple to use timer can be used for a wide range of applications. Pushing the button activates the circuit and starts the timing period (this is easily adjustable and is set at installation to any time between 1 second and 2 hours).

#### Features

-  Stylish LED ring
-  Switches any type of load
-  Adjustable timer
-  Works with any type of lamp

Order Code		Description				
MRT-PRM		Push button timer with temporary LED				
Load Rating at 230VAC						Time Delay
R	I	F	CFL	LED		
16A	10A	6A	3A	3A	1s-2h	
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp						

Special voltages and extended timing are also available. Please contact our sales office.

Installation and user guides available online

[www.green-i.co.uk](http://www.green-i.co.uk)







## Push Button Timers



MRT16-PB/TN

### Multi-range push button timer with neon indicator option.

This simple to use timer can be used for a wide range of applications. Pushing the button activates the circuit and starts the timing period (this is easily adjustable and is set at installation to any time between 1 second and 2 hours).

#### Features



Switches any type of load



Adjustable timer



Works with any type of lamp

Order Code	Description
<b>MRT16-PB</b>	Push button timer
<b>MRT16-PB/TN</b>	Push button timer with temporary neon
<b>SLV1</b>	Slave push button
<b>SLV1N</b>	Slave push button with neon

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
16A	10A	6A	3A	3A	1s-2h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

Order Code	Description				
MRT16-PB/VF	Push button timer c/w voltage free contact				
Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
10A	10A	6A	3A	3A	1s-2h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

Special voltages and extended timing are also available. Please contact our sales office.






## Remote Activated Timer



### Low profile remote activated timer in a modern style.

This multi-range timer can be used for a number of applications including staircase lighting and pump overrun for central heating. The device has a blank face plate which is tamperproof. Its primary advantage is that it can be mounted remotely away from the load it is controlling.

#### Features

-  Switches any type of load
-  Adjustable timer
-  Works with any type of lamp

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code		Description				
MRT-REM-PRM		Remote activated timer				
Load Rating at 230VAC					Time Delay	
R	I	F	CFL	LED		
16A	10A	6A	3A	3A	1s-2h	
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp						

Special voltages and extended timing are also available. Please contact our sales office.

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)





## Remote Activated Timer



### The MRT16-REM is a remote activated timer.

This multi-range timer can be used for a number of applications including staircase lighting and pump overrun for central heating. The device has a blank face plate which is tamperproof. Its primary advantage is that it can be mounted remotely away from the load it is controlling.

#### Features

- Switches any type of load
- Adjustable timer
- Works with any type of lamp

Order Code	Description
<b>MRT16-REM</b>	Remote activated timer

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
16A	10A	6A	3A	3A	1s-2h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

Order Code	Description
<b>MRT16-REM/VF</b>	Remote activated timer c/w voltage free contact

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
10A	10A	6A	3A	3A	1s-2h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

Special voltages and extended timing are also available. Please contact our sales office.

Vitesse Modular connection system

See Pages 13-23





## Touch Activated Timers






MRT16-TA/PN

### The MRT16-TA is a touch activated timer.

The unit is operated by pressing the tamperproof touch sensitive pad on the front of the switch.

The MRT16-TA/TN has a temporary neon indicator to show when the timer is running.

#### Features

-  Switches any type of load
-  Adjustable timer
-  Works with any type of lamp

Order Code	Description
<b>MRT16-TA</b>	Touch activated timer
<b>MRT16-TA/TN</b>	Touch activated timer with temporary neon
<b>MRT16-TA/PN</b>	Touch activated timer with permanent neon

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
16A	10A	6A	3A	3A	1s-2h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

Order Code	Description
<b>MRT16-TA/VF</b>	Touch activated timer c/w voltage free contact

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
10A	10A	6A	3A	3A	1s-2h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

Special voltages and extended timing are also available. Please contact our sales office.

Installation and user guides available online

[www.green-i.co.uk](http://www.green-i.co.uk)





## Touch Activated Timers with IP66 Rating







MRT16-WP/PN

### The MRT16-WP and MRT16-WP/TN are touch activated weatherproof timers.

The MRT16-WP is operated by pressing the tamperproof touch sensitive pad on the front of the switch. The unit is mounted in a durable IP66 enclosure and is designed for outdoor use or where moisture is present.

The MRT16-WP/TN has a temporary neon indicator to show when the timer is running.

#### Features

-  Switches any type of load
-  Adjustable timer
-  IP66 rating
-  Works with any type of lamp

Order Code	Description
<b>MRT16-WP</b>	Touch activated timer with IP66 rating
<b>MRT16-WP/TN</b>	Touch activated timer with IP66 rating and temporary neon
<b>MRT16-WP/PN</b>	Touch activated timer with IP66 rating and permanent neon

Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
16A	10A	6A	3A	3A	1s-2h
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

Special voltages and extended timing are also available. Please contact our sales office.

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)





## High Output Run Back Timer



### The RBT1 is a high output, electronic run back timer.



Its powerful 20A output makes it particularly suitable for the control of immersion heaters. The unit allows an appliance to be powered for a set time period which can be adjusted by the user.

A simple display shows the user how much time is left to run. An ON/OFF switch allows the user to cancel the timing program whilst a memory remembers the last timing sequence selected.

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code		Description
RBT1		High output run back timer
Load Rating at 230VAC		Time Delay
R	I	
20A	6A	0m-2h (adjustable in 15m increments)
R = Resistive I = Incandescent		

### Features

-  Switches any type of load
-  Adjustable timer

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)





## Plate Mounted Adjustable Boost Timer



The RBT2 is an electronic boost timer which provides effective control for a variety of loads.

The unit allows an appliance to be powered for a set time period which can be adjusted by the user. A simple LED display indicates how much time is left to run, and its 'Night Light' feature illuminates all the LEDs when the unit is not in use to allow ease of location in the dark.

Pressing and releasing the switch whilst the unit is in operation allows the user to cancel the timing. A memory function remembers the last timing selected.

Order Code	Description				
RBT2	Plate mounted adjustable boost timer				
Load Rating at 230VAC					Time Delay
R	I	F	CFL	LED	
16A	10A	6A	3A	3A	15m-2h adjustable
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

### Features



Switches any type of load



Adjustable timer



Works with any type of lamp

Vitesse Modular connection system

See Pages 13-23





## Automatic Emergency Test Switch



**This automatic key operated emergency lighting test switch is permanently wired to the emergency luminaire supply.**

The key switch is used to interrupt the supply for pre-programmed periods. At the end of the time period, the supply to the luminaires is automatically reinstated. The result is that there is no risk of depleting the batteries in the emergency fitting by leaving them connected for prolonged periods. The key switch ensures secure access.

### Standard features



Works with any type of lamp

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Order Code	Description
ELT10	Automatic emergency test switch

Load Rating at 230VAC					Time Period
R	I	F	CFL	LED	
N/A	N/A	6A	3A	3A	10m–3h adjustable
R = Resistive I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp					

Installation and user guides available online

[www.green-i.co.uk](http://www.green-i.co.uk)





## Introduction to Light Level Control

Ideal for applications such as external security lights or display lighting at night, this switch will either turn lighting off via a pre-set time delay that you've selected, or when natural light exceeds a pre-set level.



Sufficient daylight, lights off



Insufficient daylight, lights on

The photocell within the sensor ensures that lights will not be switched on until ambient lux levels drop below a preset value, and will be switched off at a preset time or once the desired lux level is reached.

### Load Capacity Key

Suitable for the control of:



Lighting

ALC15



## Twilight Switch with IP66 Rating







**The ALC15 twilight switch will turn lighting on when the ambient light falls below a preset level.**

For example, they can be used to switch external security lights at night or to turn on display or sign lighting.

The lighting will then be turned off either when the light exceeds the preset level or after a preset time delay.

The unit has a highly accurate adjustable photocell, a selectable time delay, adjustable switching differential and is mounted in a IP66 enclosure.

### Features

-  Lux level sensing
-  IP66 rating
-  Adjustable timer
-  Works with any type of lamp

T: +44 (0)333 900 0671 [www.green-i.co.uk](http://www.green-i.co.uk)

Order Code	Description			
ALC15	Twilight switch with IP66 rating			
Load Rating at 230VAC				Time Delay
I	F	CFL	LED	
8A	6A	3A	3A	0m-16h
I = Incandescent F = Fluorescent CFL = Compact Fluorescent Lamp				

For more product information visit

[www.green-i.co.uk](http://www.green-i.co.uk)





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- 2 Vitesse Modular poster
- 3 Brochure holder
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