TIMEGUARD LIMITED

A theben Group Company

Time, Light...

...Safety, Climate

2009/2010
Product
Catalogue

Certificate No. Q05884

Timeguard Limited, Victory Park, 400 Edgware Road, London NW2 6ND **www.timeguard.com**

Timeguard

Introduction from Timeguard

Time, Light, Safety, Climate.

Welcome to our exciting new catalogue full of products that put you and your customers in control of Time, Light, Safety and Climate. Whether your project involves a large multi-use building or a single home, we have products that can add value to electrical installations.

Timeguard and its parent company Theben A.G., which is one of Europe's leading designers and manufacturers of electrical controls and systems, have added even more new products to our offer this year, continuing our tradition of continuous innovation and improvement.

We are pleased to offer a wide choice of carefully selected high specification products and systems and enjoy an envious on-going reputation for high quality and performance. With products available through the wholesale and retail outlets across the UK, you will be able obtain the tested, approved and trusted products featured in this catalogue, either off-the-shelf or through our fast distribution service.

All of the products in this catalogue are backed by our 3 or 5 year guarantees and meet relevant UK (BSI) and European (EN) standards. Our designers place emphasis on ease of installation and configuration for installers and ease of use for end users. A range of OEM control modules are also available.

We provide detailed product specifications on the "Tech Spec" pages within the catalogue and at our web site at www.timeguard.com . In addition, technical advice and support are freely available from our Technical Services team – call us whenever you need and talk to someone who understands the products in depth.

Energy savings

We believe that one of the best ways to minimise energy consumption is to switch off appliances, lighting and HVAC equipment when not required. This puts you in control.

We offer ranges of timeswitches – DIN rail, hard wired and plug-in where you can choose from programmable timing, solar control, delay switching or PIR. Our PIR detectors range from the 'workhorse' sensors to highly sensitive high specification presence detectors for zoned control of open spaces.

Outdoors we offer switches and sockets with safe IP66 enclosures and our new Weathersafe Vision range gives a clear view of power status.

As said, it all comes down to control, and that, of course, is what out product ranges are designed to do.

Please take a look through our new catalogue and we hope you will like the new ideas and new innovations.

KNX-The world's only approved open standard for home and building control.

Timeguard's parent company, Theben A.G. offers a wide range of innovative KNX (formally EIB) products. KNX is approved to IEC14543, CEN EN 13321 and CENELEC EN50090. KNX is an open standard with many manufacturers, intergrators and installers supplying the home and building automation market. Theben KNX product has been installed at many UK locations including the new Terminal 5 at Heathrow. KNX offers a wide range of products designed to give control, comfort and energy efficiency to any home or building in areas such as lighting, heating and much more. For full details please request the new Theben KNX catalogue or visit the Theben website on www.theben.de. Please also visit www.knxuk.org for more details of the UK KNX organisation.

Andy Douglas
Managing Director

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Sales Office Direct Line **020 8452 1112** Fax **020 8450 0635**

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TS800B

TS800B **24 Hour Compact Plug-In Time Controller**

Plugs straight into a wall socket for security, convenience and economy applications. The unit will repeat the same switching patterns over each 24 hour period.

- Plug-in control for 13 amp (3kW) appliances and filament lamps up to 400W.
- Switches appliances ON & OFF at preset times.
- Easy to use setting pins.
- 30 minute minimum switching interval which can be increased in 15 minute steps.
- Up to 24 ON & OFF programmes per day (additional pins required).
- Manual override until next programme change.

TG24/TG44/TG64

TG24 **24 Hour Compact Plug-In Segment Time Controller**

Easily set by its captive segment dial this time controller will automatically switch appliances ON and OFF at pre-set times over a 24 hour cycle, with a maximum of 96 ON & OFF programmes per day.

- Easy to use segment setting dial.
- Plug-in control for 13 amp (3kW) appliances & filament lamps to 400W.
- 15 minute minimum switching interval which can be increased 15 minute steps.
- Permanent ON override for instant control.

TG44 **Compact Segment Time Controller Twin Pack**

The TG24 24 hour segment time controller in a special value twin pack.

TG64 **Compact Segment Time Controller Triple Pack**

The TG24 24 hour segment time controller in a special value triple pack.

TG600/TG620

TG600 **24 Hour Plug-In Segment Time Controller**

ON/OFF programmes are simply set by the 24 hour segment dial giving a total of up to 48 ON/OFF programmes (15 minutes per segment) each day. Manual override switch allows continuous ON, continuous OFF or timed operation.

- Plug-in control for 13A (3kW) appliances and filament lamps up to 400W.
- ON/OFF intervals selectable in 15 minute steps.
- Simple to programme and operate.
- Permanent ON/OFF override for instant control.

TG620 **7 Day Segment Timeswitch**

Shares all the features and benefits of the TG600 but has a 7 day segment dial allowing up to 96 ON/OFF programmes (1.75 hours per segment) over the week.

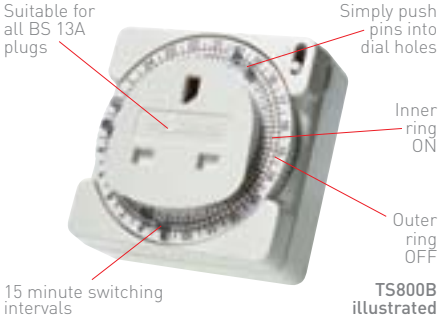
- Plug-in control for 13A (3kW) appliances and filament lamps up to 400W over a 7 day period.

Time Controllers

An unrivalled range of plug-in time controllers with a choice of both electro-mechanical timers in pin and segment dial versions or digital timers for finer accuracy and control.

All Timeguard plug-in timers are perfect for security, convenience and economy applications.

Setting Pins



TS800B illustrated

TG85

TG85 **Dusk to Dawn Timeswitch**

Automatically switches appliances ON at dusk with a selectable OFF time from 1 to 8 hours later, or at dawn if no time setting is required.

- Easy to use selector switch.
- Simple to programme and operate.
- Switches ON at dusk and OFF from 1 to 8 hours later.
- Plug-in control for 13 amp (3kW) appliances & filament lamps up to 400W.
- Permanent ON/OFF override for instant control.
- Power ON indicator.

ETU11/ETU17

ETU11 **24 Hour Slimline Digital Plug-In Time Controller**

Plugs straight into the wall socket for instant digital control of all 13 amp (3kW) appliances and lamps. Random feature makes your home or premises appear occupied.

- Top side display for ease of viewing when in use.
- Slimline plug-in control.
- Simple two button programming.
- 4 ON and 4 OFF switching commands over 24 hours.
- Shortest switching time 1 minute.
- Manual override until next programme change.
- Optional random switching facility.
- 1000 hours rechargeable memory back-up.
- Controls 500W of fluorescent or low energy lighting.

ETU17 **7 Day Slimline Digital Plug-In Time Controller**

Shares all the features and benefits of the ETU11 plus individual day, every day, every weekday or weekend programme selections over a 7 day period. Six programmes are available and if selected to operate over all 7 days, 42 ON & OFF switchings per week will result.

ET03

ET03 **7 Day Electronic Timeswitch**

A 24 hour and 7 day electronic timer with digital accuracy for all 13 amp (3kW) appliances and lamps up to 400W. A multi-feature electronic timer including optional random switching and a quick summer/winter changeover time facility.

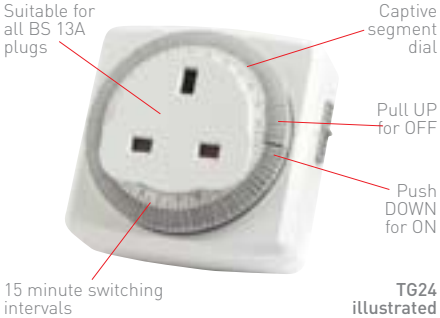
- Easy to set 4 button programming.
- 6 ON and 6 OFF independent switching commands each of which can be set to operate over all weekdays, both weekend days, all 7 days (24 hour operation) or individual days.
- Shortest switching time 1 minute.
- Optional random switching facility.
- Quick summer/winter changeover time facility.
- Self-cancelling override for instant ON/OFF control.
- Easy view 24 hour digital clock/programme display.
- Rechargeable battery back-up retains set programmes in event of power failure and allows out of socket programming.
- ON/OFF switching indication.

3 Year Guarantee

Goto

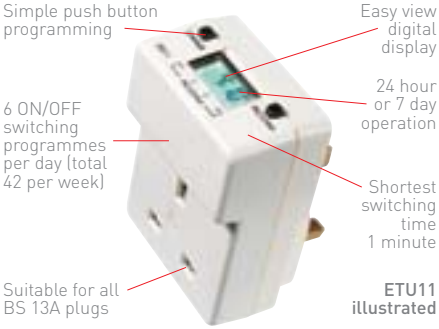
See page 75 for Techspecs.

Segment Setting



TG24 illustrated

Digital Time Control



ETU11 illustrated

Look Out for Timeguard's Energy Saving Products.

ENERGY SAVING

Energy Saving Products

Reducing the amount of the energy you use is one of the fastest, most effective ways to save money and it will also help you combat climate change by reducing your carbon footprint.

TG77

TG77 **7 Day Compact Electronic Timeswitch**

Compact multi-functional digital timer with a total of 20 ON/OFF switching programmes and a 24 hour countdown facility.

- Plug-in digital control for 13A (3kW) appliances and filament lamps up to 400W.
- A total of 20 ON/OFF switching programmes selectable over individual days and various combinations of days.
- 24 hour LCD display for easy viewing.
- Up to 24 hour countdown facility (giving a manual start to a timed OFF).
- Self-cancelling override and permanent ON/OFF facility.
- Large 24 hour display for easy viewing.
- Optional random delay to both start and finish of all programmes.
- Output ON indicator light.

TG27

TG27 **24Hour/7 Day Electronic Timeswitch**

Multi-functional timer with easy view 24 hour display for instant digital control of all 13 amp appliances and up to 400W of lamps. Manual override feature allows permanently ON, permanently OFF and timed operation.

- Plug-in digital control for 13A (3kW) appliances and filament lamps up to 400W.
- 6 ON/OFF switching programmes selectable over 24hrs/7 days (up to 42 switchings per week).
- Self-cancelling override and permanent ON/OFF facility.
- Large 24 hour back lit display for easy viewing.
- Optional random delay to both start and finish of all programmes.
- Output ON indicator light.

ET05

ET05 **Plug-In Electronic Thermostat**

Plug-in electronic temperature controller incorporating a digital display of temperature. Can control to a temperature between 0°C and 35°C (heating only) and is ideal for controlling radiant, convector and fan heaters as well as oil filled radiators.

- Plug-in, no wiring.
- Mains operated, but integral battery power allows setting out of the mains socket.
- Precision digital temperature control.
- Permanent manual override for instant ON/OFF switching.
- Integral temperature sensor.
- 0°C to 35°C temperature range control.
- Temperature setting can be easily reviewed.

Time Controllers

Timeguard started out in time control and we continue to offer the best products for domestic, commercial and industrial use. Our electro-mechanical pin, segment and digital plug-in timeswitches are still firm favourites among householders and with our choice of styles and functionality, we have a range of time controllers to suit all applications.

CTS960

CTS960 **24 Hour Compact Segment Immersion Heater Time Controller**

Designed for total hot water control and can be surface or flush mounted.

- 13A (3kW) loading.
- Switches ON and OFF at preset times.
- Easy to use captive segment dial.
- 15 minute minimum switching interval which can be increased in 15 minute steps.
- Permanent ON/OFF control.
- Integral thermal fuse for extra protection.
- Fits standard flush or surface mount boxes min 32mm deep.

TS900B

TS900B **24 Hour Immersion Heater Time Controller**

Specially designed for installation with both new and existing immersion heater systems. Up to 24 ON & OFF programmes (additional pins required) plus self-cancelling override for instant ON/OFF switching.

- 13A (3kW) loading.
- For total control of your hot water.
- Switches ON and OFF at preset times.
- Easy to use setting pins.
- 30 minute minimum switching interval which can be increased in 15 minute steps.
- Manual override until next programme change.
- Integral thermal fuse for extra protection.
- Bottom or rear entry for cable.

3 Guarantee

Goto

See page 75 for Techspecs.

Immersion Heater Controllers

A range of hard wired electro-mechanical and digital immersion heater time controllers for economical and convenient control of immersion heater systems.

All Timeguard immersion heater controllers are designed for installation with both new and existing systems for maximum versatility.

ETU2000/ETU8000

ETU2000 **24 Hour Electronic Immersion Heater Timeswitch**

Provides economical and convenient control of immersion heater systems. Easily programmable with Timeguard's two button system and an easy to read digital display.

- 13A (3kW) loading.
- Switches ON & OFF up to 4 times per day.
- Shortest switching time 1 minute.
- Manual override until next programme change.
- Permanent OFF control.
- Optional 1 or 2 hour boost facility.
- Programme review.
- 1000 hours rechargeable memory back-up.
- Integral thermal fuse for extra protection.

ETU8000 **7 Day Electronic Immersion Heater Timeswitch**

Has all the features and benefits (except boost) of the ETU2000 plus individual day, everyday, every weekday or weekend programme selections over a 7 day period.

- Six programmes are available, and if selected to operate over all 7 days, 42 ON & OFF switchings per week will result.

CTU9000

CTU9000 **24 Hour/7 Day Compact Digital Immersion Heater Timeswitch**

Designed for greater programming flexibility and can be surface or flush mounted.

- 13A (3kW) loading.
- Individual day, everyday, every weekday, weekend, 6 day or two 3 day programme selections over a 7 day period. Six programmes are available, and if selected to operate over all 7 days, 42 ON & OFF switchings per week will result.
- Shortest switching time 1 minute.
- Self-cancelling override until next programme change.
- Permanent ON/OFF control (OFF for holidays and when alternative heating is available).
- Summer/winter time changeover facility.
- 150 hours rechargeable memory back-up.
- Integral thermal fuse for extra protection.
- Fits standard flush or surface mount boxes min 32mm deep.

3 Guarantee

Goto
See page 75 for Techspecs.

TGBT4

TGBT4 **Electronic Boost Timer**

The TGBT4 is a boost timer for immersion and room heaters. Simply press the button to increase the ON time for up to 2 hours.

- 13A (3kW) loading.
- Easy to use push button control.
- ON time can be increased in 4 steps: 0.25, 0.50, 1 and 2 hours.
- Fits standard flush or surface mount boxes min 16mm deep.

Time

FST11/FST17

FST11 **SupplyMaster 24 Hour Fused Spur Timeswitch**

24 hour fused spur timeswitch for controlling combination boilers, storage heaters, convector heaters, water heaters, washing machines and dish washers.

- 13A (3kW) loading.
- Up to 4 ON/OFF programmes per day.
- Switched and switched/timed outputs.
- Simple two button programming.
- Manual override until next programme change.
- Integral double pole switch and BS1362 fuse.
- Shortest switching time 1 minute.
- 1000 hours rechargeable memory back up.
- Voltage free contacts.
- Fits on to a single gang wall box minimum 25mm deep.

FST17 **SupplyMaster 7 Day Fused Spur Timeswitch**

Shares all the features and benefits of the FST11 above, plus individual day, everyday, every weekday or weekend programme selections over a 7 day period. Six programmes are available, and if selected to operate over all 7 days, 42 ON & OFF switchings per week will result.

CGP960

CGP960 **24 Hour Compact Segment 16A GP Timeswitch**

Surface or flush mount general purpose timeswitch with voltage free contacts.

- 16A (3.68kW) loading.
- Switches ON and OFF at preset times.
- Voltage free change-over contacts.
- Easy to use captive segment dial.
- 15 minute minimum switching interval which can be increased in 15 minute steps.
- Permanent ON/OFF control.
- Fits standard flush or surface mount boxes min 32mm deep.

CGP9000

CGP9000 **24 Hour/7 Day Compact Digital 16A GP Timeswitch**

Designed for greater programming flexibility with digital control of appliances up to 16A. Can be surface or flush mounted.

- 16A (3.68kW) loading.
- Individual day, everyday, every weekday, weekend, 6 day or two 3 day programme selections over a 7 day period. Six programmes are available, and if selected to operate over all 7 days, 42 ON & OFF switchings per week will result.
- Voltage free change-over contacts.
- Shortest switching time 1 minute.
- Self-cancelling override until next programme change.
- Permanent ON/OFF control (OFF for holidays and when alternative heating is available).
- Summer/winter time changeover facility.
- 150 hours rechargeable memory back-up.
- Fits standard flush or surface mount boxes min 32mm deep.

5 Year Guarantee

Goto

See page 76 for Techspecs.

Trade Time Controllers

An extensive range of electro-mechanical and digital timeswitches offering the perfect solution for controlling boilers, storage, convector and water heaters, central heating systems and all manner of industrial equipment and machinery up to 20 Amps.

E169S

E169S **24 Hour 20 Amp Electro-Mechanical Time Controller**

Controls electrical equipment up to 20A resistive. Easily set by the captive segment setting dial, the unit has a maximum of 48 ON & OFF programmes per day

- 20(12)A (4.6kW) loading.
- 72 x 72mm plug-in base surface mount.
- Captive segment dial.
- Optional panel mount (clip included).
- Synchronous motor driven.
- Time display for ease of operation.
- Manual override to next programme change and permanent ON/OFF.
- 15 minute minimum switching interval which can be increased in 15 minute steps.
- Tamper proof transparent cover.
- Controls electrical appliances (resistive loads) up to 4.6kW.
- 12 amp inductive rating.
- DIN rail adaptor available. Part No. 907-0-071

E269H

E269H **24 Hour/7 Day 20 Amp Electro-Mechanical Time Controller**

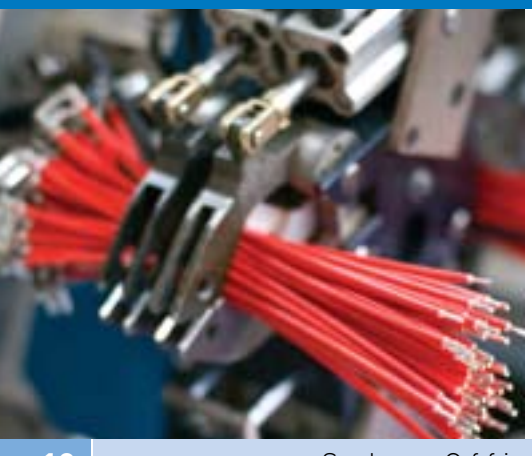
Surface mount with changeover dial to allow either 24 hour or 7 day operation with colour coded switching tappets.

- 20(12)A (4.6kW) loading.
- Changeover dial allows 24 hour or 7 day operation.
- Optional panel mount (clip included).
- Manual override until next programme change & permanent ON/OFF.
- 20 minute minimum switching interval which can be increased in 5 minute steps (24 hour operation).
- 2 hour minimum switching interval which can be increased in 30 minute steps (7 day operation).
- Controls electrical appliances (resistive loads) up to 4.6kW.
- 12 amp inductive rating.
- 72 x 72mm plug-in base surface mount.
- Synchronous motor driven.
- Time display for ease of operation.
- Tamper proof transparent cover.
- DIN rail adaptor available. Part No. 907-0-071

3 theben Guarantee

Goto

See page 76 for Techspecs.



Mounting Options

E169S, E269H, TR 635 top, TR 636 top & ELU56/ELU5620 timeswitches can be easily mounted in a 68mm square panel hole with the aid of mounting bracket AK305 supplied with product. They can also be mounted on DIN rail using adaptor 907-0-071.

ELU56/ELU5620

ELU56 **7 Day 16 Amp Electronic Time Controller**

Available in 16 amp and 20 amp versions with 8 independent programme selections per day allowing up to 56 different ON/OFF operations per week.

- 16(6)A (3.68kW) loading.
- 72 x 72mm plug-in base surface mount.
- 112 memory locations – 56 different ON/OFF operations per week.
- Self-cancelling override until next programme change.
- Shortest switching time 1 minute.
- Programme suspension.
- 1000 hours rechargeable memory back-up.
- DIN rail adaptor available. Part No. 907.0.071
- Optional panel mount (clip included).

ELU5620 **7 Day 20 Amp Electronic Time Controller**

- 20(8)A (4.6kW) loading.
- Can be used with up to 3000W of fluorescent or low energy lighting and up to 3000W of filament lighting. Can also be used with up to a 2hp motor and up to 1000W of discharge lighting.

TR 635 top/TR 636 top

TR 635 top **24 Hour/7 Day/Random/Pulse 16A Electronic Timeswitch**

Features 24 hour/7 day programme selections plus holiday suspension of programmes. Easy to use 4 button programming and 4 years memory back-up allows ultimate control. The unit stores its programmes in EEPROM for highest operational security.

- 16(10)A (3.68kW) loading.
- Text Oriented Programming.
- 72 x 72mm plug-in base surface mount.
- 21 ON/OFF programmes per week.
- ON/OFF commands may be repeated over a number of days without using additional programmes.
- Manual override until next programme change & permanent ON/OFF.
- Automatic summer/winter time changeover.
- Pulse (1 – 59 sec) and repetitive pulse programmes.
- Random switching facility.
- DIN rail adaptor available. Part No. 907.0.071

TR 636 top **24 Hour/7 Day 2 Channel/Pulse 2x6A Electronic Timeswitch**

- 2 channels x 6(6)A loading.
- 2 channels with a total of 21 ON/OFF programmes per week allocated between them in any proportion.

Technology at its Best

Easy operation with Text Oriented Programming. Step-by-step text guidance on display to make timeswitch programming quick and easier.

Look out for our 'top' coded products.

RTS113/RTS113Q/RTS114/RTS114Q

RTS113 **24 Hour/Half Day & Day Omit 3 Pin 20A Round Pattern Time Controller**

Electro-mechanical round pattern double insulated time controller comes with a 3 pin wireable base. It is compatible with the base used for the single channel ON/OFF mains linked industry standard round pattern timeswitch.

- Up to 24 ON/OFF programmes in a 24 hour period.
- Half day(s) and day(s) omit facility, unlimited over a 7 day period.
- Permanent ON facility (with a prominent visual indicator) accessible without removing the transparent cover.
- Minimum ON time is 30 minutes which can be incremented in 15 minute steps.
- Transparent cover can be locked.

RTS114 **24 Hour/Half Day & Day Omit 4 Pin 20A Round Pattern Time Controller**

Shares all the features and benefits of the RTS113 but has voltage free contacts and a 4 pin industry standard round pattern timeswitch base.

RTS173/RTS174

RTS173 **24 Hour/7 Day Single Channel 3 Pin 20A Round Pattern Time Controller**

Double insulated time controller with a 3 pin plug-in wireable base. The RTS173 is compatible with the base used for the single channel ON/OFF mains linked industry standard round pattern timeswitch (not electro-mechanical). The RTS173 also has an override to next programme change button accessible without removing the transparent cover.

- 18 ON/OFF programmes per week.
- ON/OFF commands may be repeated ON different days without using additional programmes.
- 250 hour power reserve.
- Holiday omit for up to 99 days.
- Automatic summer/winter time change.
- Transparent cover can be locked.

5 Guarantee

Goto

See page 76 for Techspecs.

RTS274

RTS174 **24 Hour/7 Day Single Channel 4 Pin 20A Round Pattern Time Controller**

Shares all the features and benefits of the RTS173 but has voltage free contacts and a 4 pin industry standard round pattern timeswitch base.

RTS274 **24 Hour/7 Day 2 Channel 4 Pin 2 x 10A Round Pattern Time Controller**

Shares all the features and benefits of the RTS173 except that it can control two independent appliances up to 10A each and has a 4 pin industry standard round pattern timeswitch base.

- The total of 18 programmes/week can be shared between channels in any proportion.
- The manual override button controls channel 1 only.

Round Pattern Time Controllers with Quartz Reserve

RTS113Q **24 Hour/Half Day & Day Omit (Quartz Reserve) Time Controller**

Shares all the features and benefits of the RTS113 but has battery back-up for 72 hours.

RTS114Q **24 Hour/Half Day & Day Omit (Quartz Reserve) Time Controller**

Shares all the features and benefits of the RTS114 but has battery back-up for 72 hours.

TR 610 top2/TR 611 top2

TR 610 top2 **24 Hour/7 Day Single Channel (2 Module) 16A Digital Timeswitch**

A 35mm (2 module) wide digital 24 hour/7 day 16A timeswitch with preset UK time and automatic summer/winter changeover

- Text Oriented Programming.
- Push-in spring terminals (accepting 2 conductors, solid or strand).
- OBELISK top2 memory card interface enables programming via a PC for on-site downloading.
- 56 memory locations.
- Integral Lithium cell power reserve with 10 years life.
- ON/OFF times may be repeated over a number of days without using extra memory locations.
- Surface mount kit. Part No. 907-0-064

TR 611 top2 **24 Hour/7 Day/ Random Single Channel (2 Module) 16A Digital Timeswitch**

Shares all the features and benefits of the TR 610 top2 but with 84 memory locations. It also has its programmes stored in EEPROM for highest operational security.

- Holiday suspension of programmes.
- Random switching facility.
- Pulse (1-59 sec) and repetitive pulse programmes.
- OBELISK top2 memory card included.

TR 612 top2/TR 622 top2

TR 612 top2 **24 Hour/7 Day 2 Channel (2 Module) 16A Digital Timeswitch**

Shares all the features and benefits of the TR 610 top2 but is a 2 channel timeswitch with 56 memory locations which can be distributed as required over the 2 channels.

TR 622 top2 **24 Hour/7 Day/ Random 2 Channel (2 Module) 16A Digital Timeswitch**

Shares all the features and benefits of the TR 611 top2 but is 2 channel with 84 memory locations that can be distributed over the 2 channels.

907.0.409 **OBELISK top2 Programming Kit**

Programme your top2 timers remotely via any PC.

3 theben Guarantee

Goto

See page 77 for Techspecs.

SELEKTA 170 top2/SELEKTA 172 top2

SELEKTA 170 top2 **Single Channel 16A Solar Timeswitch**

- Precise astronomic calculation of sunrise and sunset times by entering date, time and location coordinates (latitude/longitude or country/city).
- Lights are switched ON and OFF according to sunrise and sunset times and can be shifted 120 minutes from these in either direction.
- Factory set time and date.
- Energy saving night switching.
- 56 memory locations.
- 3 selectable astro modes: mode 1 ON at sunset, OFF at sunrise; mode 2 Off at sunset, ON at sunrise; mode 3 timeswitch only.
- Integral lithium cell power reserve with 10 years life.
- ***Also available with radio control. Part No. Selekta 171 top2 RC***

SELEKTA 172 top2 **2 Channel 16A Solar Timeswitch**

Shares all the features and benefits of the SELEKTA 170 top 2 plus 2 channel operation and 84 ON/OFF programmes.

- 2 channel operation.
- 3 extra programmes for each channel: permanent ON, permanent OFF and astro switching with different night breaks.

The New TERMINA top2 Digital Timeswitches

- 24 hour/7 day random & pulse programming.
- Push-in spring terminals (accepting 2 conductors, solid or strand) for a quicker installation.
- Simple 4 key text oriented programming
- OBELISK top2 memory card interface enables programming via a PC for on-site downloading.
- Single & 2 channel versions (2 module).
- Extended temperature range -30°C to +55°C,

theben Time, Light, Climate. TIMEGUARD

TR 608 top

TR 608 top **24 Hour/7 Day Single Channel (1 Module) 16A Digital Timeswitch**

A 17.5mm (1 module) wide digital 24 hour/7 day 16A timeswitch.

- Text Oriented Programming.
- 28 memory locations.
- 3 years power reserve (battery easily replaceable).
- Automatic summer/winter changeover.
- Override to next programme change.
- Permanent ON/OFF control.
- Shortest switching time 1 minute.
- Surface mount kit. Part No. 907-0-065

907.0.230

907.0.230 **OBELISK PC Programming Kit**

OBELISK (EEPROM) for programme transfer between PC and TR 641 S/TR 644 S timeswitches.

- Programme your timers remotely via any PC.
- Transfer programme to your timers via USB or OBESLISK memory card.
- Upload programmes from timers.

SYN 160/SUL 180

SYN 160 **24 Hour Segment Timeswitch (Single Module)**

A 17.5mm (1 module) wide segment 24 hour 16A timeswitch.

- 15 minute minimum switching interval can be increased in 15 minute steps, up to 48 ON & OFF programmes per day.
- Permanent ON/OFF control.

SUL180 **24 Hour Segment Timeswitch with Power Reserve (Single Module)**

Shares all the features and benefits of the SYN 160 plus 72 hours power reserve.

SYN 161/SUL 181

SYN 161 **24 Hour Segment Timeswitch (3 Module)**

A 52.5mm (3 module) wide segment 24 hour 16A timeswitch.

- 30 minute minimum switching interval which can be increased in 30 minute steps, up to 24 ON & OFF programmes per day.
- Manual override to next programme change.
- Permanent ON/OFF control.
- Fine adjustment for clock setting.
- Surface mount kit. Part No. 907.0.061

SUL 181 **24 Hour Segment Timeswitch with Power Reserve (3 Module)**

The SUL 181 has all the features and benefits of the SYN 161 plus 72 hours power reserve.

3 theben Guarantee

Goto

See page 77 for Techspecs.

Proud to be part of the Theben Group

Being part of the Theben family means that we are pioneers and leaders in time, lighting and climate control.

Theben brings a passion to its work that is evident when

MEM 198 h/SUL 188 h

ELPA 7 ELPA 8

TR 641 S/TR 644 S

MEM 198 h **7 Day Tappet Timeswitch with Power Reserve**

A 52.5mm (3 module) wide 7 day tappet controlled 16A timeswitch with 72 hour power reserve.

- 4 hour minimum switching interval which can be increased in 1 hour steps.
- Manual override to next programme change.
- Permanent ON/OFF control.
- Fine adjustment for clock setting.
- Surface mount kit. Part No. 907.0.061

SUL 188 h **24 Hour Tappet Timeswitch with Power Reserve**

Shares all the benefits (except 7 day operation) of the MEM 198 plus a minimum switching time of 30 minutes which can be increased in 15 minute steps.

- 30 minute minimum switching interval which can be increased in 15 minute steps.
- Manual override to next programme change.
- Permanent ON/OFF control.
- Surface mount kit. Part No. 907.0.061

ELPA 7 **Electronic Staircase Switch**

A 17.5mm (1 module) wide 16A electronic staircase timeswitch with re-setable 0.5 min - 20 min time range.

- Electronic time delay for greater switching accuracy.
- Sliding switch for continuous light.
- Push button input with max 150 mA incandescent lamp load and electronic overload protection.
- Can switch up to 2300W of incandescent, 400VA fluorescent or 140W of L.E. lighting.

ELPA 8 **Staircase Switch**

A 17.5mm (1 module) wide 16A delay timeswitch for staircase lighting. The ON time is adjustable from 1 to 7 minutes in 15 second steps. Can switch up to 2300W of incandescent or 1300VA fluorescent lighting. Permanent ON Switch.

- Adjustable from 1 to 7 minutes in 15 second steps.
- Sliding switch for continuous light.
- Can switch up to 2300W of incandescent, 1300VA fluorescent or 100W of L.E. lighting.

TR 641 S **24 Hour/7 Day Yearly Single Channel (6 Module) 16A Digital Timeswitch**

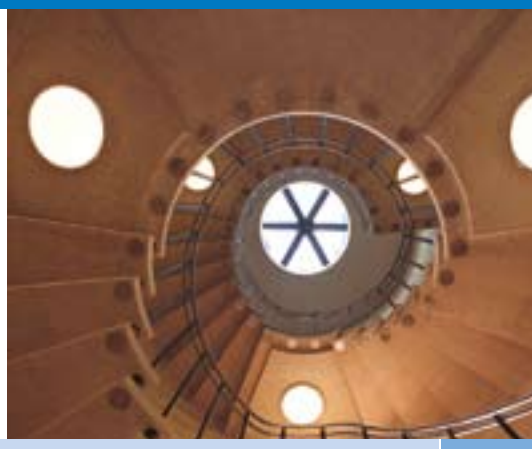
A 105mm (6 module) wide yearly timeswitch programmable by PC using Obelisk for programme transfer or directly by switch programming buttons

- 324 permanent switch times for selectable day, week and date commands, pulse and priority switch times.
- 10 standard week programmes for public holidays etc.
- Programmable by PC or directly into the unit.
- Summer/winter time correction with automatic date correction.
- Programmable without mains connection with 1.5 years lithium battery power reserve.
- Surface mount kit. Part No. 907.0.053
- **12V DC version. Part No. TR641S 12VDC**

TR 644 S **24 Hour/7 Day/ Yearly 4 Channel (4 Module) 16A Digital Timeswitch**

Shares the features and benefits of the TR 641 S with 324 memory locations distributed as required over the 4 channels.

you deal with any of our 650 employees across Europe. It is that extra commitment and the love of detail that makes us such a special and successful team. It enables us continually to bring exciting new products to market – products that meet the challenges that specifiers and installers face every day in our increasingly energy-conscious world.



LUNA 108

LUNA 108 **Twilight Switch Single Channel (Single Module)**

A 17.5mm (1 module) wide 16A dusk-to-dawn switch for controlling street light facilities, external stairways, shop windows etc. It has a single brightness range selectable between 2 – 100 Lux and comes complete with a surface mount sensor.

- Space saving (single module) installation.
- 16 (10)A light sensor switching capacity.
- 2 – 100 Lux adjustable range.
- 20/80 second (ON/OFF) built-in delay prevents nuisance switching.
- Green LED shows switching status.
- Red LED shows light sensor status.
- Switches up to 2300W of filament lighting, 400VA of fluorescent lighting or 140W of low energy lighting.
- Surface mount kit. Part No. 907.0.065.
- Surface mount light sensor (spare). Part No. 907.0.008.

LUNA 109

LUNA 109 **Twilight Switch Single Channel (2 Module)**

Luna dusk-to-dawn switches are for the control of external or display lighting systems. The LUNA 109 is a 35mm 2 module wide switch and has a single brightness range selectable between 2 – 2000 Lux. Comes complete with a surface mount sensor.

- 16 (10)A light sensor switching capacity.
- 2 – 2000 Lux adjustable range.
- 60 second (ON/OFF) built-in delay prevents nuisance switching.
- Green LED shows switching status.
- Red LED shows light sensor status.
- Switches up to 2300W of filament lighting, 400VA of fluorescent lighting or 140W of low energy lighting.
- Test button allows testing of the installation independently from the outside brightness.
- Surface mount kit. Part No. 907.0.064.
- Surface mount light sensor (spare). Part No. 907.0.416.

LUNA 110

LUNA 110 **Twilight Switch Single Channel (2 Module)**

A 35mm (2 module) wide switch which comes with separate surface mount light sensor.

- 16 (10)A light sensor switching capacity (zero point).
- Five selectable brightness ranges from 2 – 50,000 Lux.
  Range 1: 2 – 35 Lux;
  Range 2: 35 – 200 Lux;
  Range 3: 200 – 1,000 Lux;
  Range 4: 1,000 – 5,000 Lux;
  Range 5: 5,000 – 50,000 Lux.
- Permanent ON/OFF control.
- Adjustable delay (0 – 20 minutes) prevents nuisance switching.
- Green LED shows switching status.
- Red LED shows light sensor status.
- Test button allows testing of the installation independently from the outside brightness.
- Surface mount kit. Part No. 907.0.064
- Surface mount light sensor (spare). Part No. 907.0.416.

3 theben Guarantee

Goto

See page 78 for Techspecs.

Twilight Switches

A twilight switch provides fully automatic control of lighting systems. Supplied with preset Lux values and details of current light levels from light sensitive sensors, the twilight switch turns connected lighting ON as soon as it gets dark and OFF again when it becomes light enough.

Simply digital, simply wonderful... look out for the TOP2 models offering Text Oriented Programming, easy and exact digital setting of Lux values independent of daylight, DuoFix screwless terminals, PIN protection and much more.

Ideal for: security lighting, advertising hoardings and neon signs, lighting for paths and external staircases etc.

LUNA 111 top2

LUNA 111 top2 **Twilight Switch Single Channel (2 Module)**

A 35mm (2 module) wide switch with a digital brightness range selectable between 2 – 99,000 Lux.

- 16 (10)A light sensor switching capacity (zero point).
- Digital brightness range from 1 – 99000 Lux.
- Digital switching delay adjustable from 0 – 59 minutes.
- Different settings for ON and OFF switching (different Lux values and different delay times).
- External input with multiple functions.
- Can be connected to up to 4 digital sensors.
- Up to 10 LUNA 111 top2 switches can be connected to one digital sensor.
- Programmable via OBELISK top2 memory card Part No. 907.0.404 (not included).
- Supplied with a surface mount light sensor.
- LCD backlight.
- 10 year power reserve.
- Surface mount kit. Part No. 907.0.064
- Surface mount digital light sensor (spare). Part No. 907.0.415.

LUNA 112 top2

LUNA 112 top2 **Twilight Switch 2 Channel (3 Module)**

Shares all the features and benefits of the LUNA 111 top2 plus two channel operation.

- 2x 16 (10)A light sensor switching capacity (zero point).
- Digital brightness range from 1 – 99000 Lux.
- Digital switching delay adjustable from 0 – 59 minutes.
- Different settings for ON and OFF switching (different Lux values and different delay times).
- 2x external input with multiple functions.
- Can be connected to up to 4 digital sensors.
- Up to 10 LUNA 112 top2 switches can be connected to one digital sensor.
- Programmable via OBELISK top2 memory card Part No. 907.0.404 (not included).
- Supplied with a surface mount light sensor.
- LCD backlight.
- 10 year power reserve.
- Surface mount kit. Part No. 907.0.050
- Surface mount digital light sensor (spare). Part No. 907.0.415.

LUNA 120 top2

LUNA 120 top2 **Twilight Single Channel (3 Module) Integrated Timeswitch**

Twilight switch with built-in timeswitch allowing time controlled ON/OFF operation for a night break.

- 16 (10)A light sensor switching capacity (zero point).
- 2 – 2000 Lux adjustable brightness range.
- Switching delay adjustable from 0 – 59 minutes.
- Weekly programme.
- Red LED Status indicator.
- Programmable via OBELISK top2 memory card Part No. 907.0.404 (not included).
- Supplied with a surface mount light sensor.
- LCD backlight.
- Surface mount kit. Part No. 907.0.050
- Surface mount analogue light sensor (spare). Part No. 907.0.416.
- ***Also available with radio control. Part No. LUNA 121 top2 RC***

LUNA top2 **Light Sensors**

There are four light sensors available for the LUNA top2 range, analogue and digital, flush and surface mounting.

907.0.416	Surface Mount – Analogue.
907.0.415	Surface Mount – Digital.
907.0.011	Flush Mount – Analogue.
907.0.456	Flush Mount – Digital

907.0.416 907.0.415 907.0.011 907.0.456

Time

Delhi

RT03N/RTR25

RT05/RTR30

DQ9 **Delhi Quartz Clock - 9"**

All Delhi DS and DQ coded clocks have a white plastic finish, glass front and white aluminium dial.

- 12 hour dial.
- 227mm diameter face.
- 1 x AA 1.5V supply (not supplied).

DQ12 **Delhi Quartz Clock - 12"**

- 296mm diameter face.
- 1 x AA 1.5V supply (not supplied).

DS9 **Delhi Electric Clock - 9"**

- 227mm diameter face.
- 230V AC supply.

DS12 **Delhi Electric Clock - 12"**

- 296mm diameter face.
- 230V AC supply.

RT03N **Rightime Quartz Clock - 9"**

All Rightime RT and RTR coded clocks have a white plastic finish and clear plastic front.

- 12 hour dial.
- 225mm diameter face.
- 1 x AA 1.5V supply (not supplied).

RT05 **Rightime Quartz Clock -12"**

- 300mm diameter face.
- 1 x AA 1.5V supply (not supplied).

RTR25 **Rightime Radio Controlled Clock - 9"**

- Accurate to the second.
- Clock set by radio signal from Rugby transmitter.
- 12 hour dial.
- 225mm diameter face.
- 1 x AA 1.5V supply (not supplied).

RTR30 **Rightime Radio Controlled Clock - 12"**

- 300mm diameter face.
- 1 x AA 1.5V supply (not supplied).

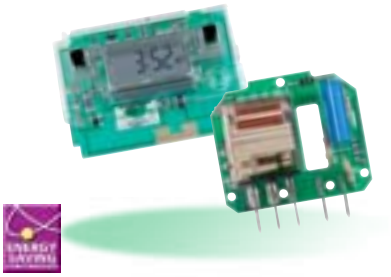
3 Year Guarantee

Goto
See page 78 for Techspecs.

QB0130

QB0130 **Count Down/Count Up Electronic Timer**

- 12 hour digital clock mode (am/pm).
- Time's up alarm on countdown.
- Count-up and count-down up to 24 hours.
- Magnet, clip or free standing.
- Supplied with 1.5V button cell battery.



MEU11/MEU17 PB05

MEU11/EMU11 **PanelMaster 24 Hour Electronic Timer Module**

An electronic timer module for OEM applications in equipment and appliances requiring accurate, cost effective time control. The module requires only an external diode, resistor and relay to switch mains. The EMU11 is an MEU11 housed in an easy fit panel mount case giving permanent ON/permanent OFF/timed selection. It can also be surface mounted in an enclosure or cubicle.

- Up to 4 ON/OFF programmes per day.
- Shortest switching time 1 minute.
- Self-cancelling override.
- 1000 hours rechargeable memory back-up.
- One year warranty only.

MEU17/EMU17 **PanelMaster 7 Day Electronic Timer Module**

Shares all the features and benefits of the MEU11/EMU11 above plus individual day, everyday, every weekday or weekend programme selections over a 7 day period. Six programmes are available, and if selected to operate over all 7 days, 42 ON & OFF switchings per week will result

- One year warranty only.

EL11/EMU11 (EL17/EMU17 shown with cover)

EL11 **PanelMaster 24 Hour Timeswitch**

The EL11 is an EMU11 combined with a PB05 creating a compact 16A timeswitch for panel mounting with permanent ON/permanent OFF/timed selection.

- Can be surface mounted within a box or enclosure.
- Five year warranty.

EL17 **PanelMaster 7 Day Timeswitch**

The EL17 is an EMU17 combined with a PB05 creating a compact 16A timeswitch.

- Five year warranty.

PB05 **PanelMaster Power/ Relay PCB**

A power supply and relay PCB designed for use with the MEU11/17 and EMU11/17 timer modules. It operates from 230V AC generating the required charge current for the module battery and provides single pole changeover voltage free contacts. All connections are via .25 inch blades.

- One year warranty only.

EMU56

EMU56 **24 Hour/7 Day Single Channel Digital Module**

(Without Power Supply)

Designed for use in OEM equipment allowing 8 independent programme selections per day allowing up to 56 different ON/OFF operations per week.

- Operates from 1.4V to 1.6V supply.
- 112 memory locations – 56 different ON/OFF operations per week.
- Self-cancelling override until first programme change.
- Shortest switching time 1 minute.
- Programme suspension.

Look Out for Timeguard's Energy Saving Products.

Energy Saving Products

Reducing the amount of the energy you use is one of the fastest, most effective ways to save money and it will also help you combat climate change by reducing your carbon footprint.

PanelMaster Components

All designed to cover panel and enclosed surface mounting applications and optional mains power supply / relay pcb's available for full installations

Tamper Proof Cover | Bezel for Panel Mounting | Surface Mount Fixing (Front) | MEU11/17 Timer Module | PB05 Power/ Relay PCB | Surface Mount Fixing (Rear)

TR671 top/TR672 top

TR 671 top **24 Hour/7 Day Single Channel Digital 'TOP' Module** (Without Power Supply)

Electronic timer module for OEM applications featuring Text Oriented Programming. The module requires a 3V DC power supply.

- Text Oriented Programming.
- 42 memory locations & random switching.
- ON/OFF times may be repeated over a number of days without using extra memory locations.
- Holiday suspension of programmes.
- Manual override & permanent ON/OFF.
- Pulse (1 – 59 sec) and repetitive pulse programmes.

TR 672 top **24 Hour/7 Day 2 Channel Digital 'TOP' Module** (Without Power Supply)

Shares all the features and benefits of the TR 671 top but is a 2 channel timeswitch with 42 memory locations which can be distributed as required over the 2 channels. The module requires a 3V DC power supply.

EMS960

EMS960 **24 Hour Compact Segment Module**

(Without Power Supply)

Compact segment dial module for OEM applications.

- 16A change over contacts.
- Easy to use captive segment dial.
- 15 minute minimum switching interval which can be increased in 15 minute steps.
- Permanent ON/OFF control.

SMS24

EMU9000

EMU9000 **24 Hour/7 Day Compact Digital Module**

(Without Power Supply)

Single channel digital module for OEM applications.

- Individual day, everyday, every weekday, weekend, 6 day or two 3 day programme selections over a 7 day period. Six programmes are available, and if selected to operate over all 7 days, 42 ON & OFF switchings per week will result.
- Summer/winter time changeover facility.
- Shortest switching time 1 minute.

SMS24 **24 Hour Mini Segment Timer Module**

24 hour Mini Segment Timer module, 240 volts AC, 16 amp resistive, 8 amp inductive, permanent ON, permanent OFF and timed selector switch.

- 16A change over contacts.
- No power reserve.

3 Year Guarantee

OEM Modules

Timeguard's range of OEM timer modules offer accurate, cost effective time control for all types of OEM applications. All models form part of Timeguard's extensive range of timeswitches which are designed and built to meet all relevant UK (BS) and European (CE) standards including EMC compliance.

TGV203 incorporates an EMS960 OEM Module

Light section

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PIR Lighting Controllers 30
PIR Floodlights 34
PIR Bulkheads & Lanterns 36

PIR Presence Detectors

SLW360

SLW360 **360° Surface Mount Ceiling PIR Presence Detector**

Ideal for energy saving installations in the workplace, corridors, offices, toilets etc., where light control can make all the difference.

- 360° ceiling surface mount PIR presence detector.
- 6m diameter (3m radius) detection range at 2.5m mounting height.
- No creep zone – maximum coverage.
- Light ON time adjustable from 5 seconds to 18 minutes.
- Manual ON/OFF override.
- IP44 weatherproof rating (also suitable for outdoor use).
- Adjustable light level control.
- Total PIR switching: 2000W (e.g. 20x 100W GLS) incandescent or halogen, 500W fluorescent/low energy.
- Not suitable for discharge lighting.
- 75W fan.

SLW360/SLFM360 – detection range & coverage

3 Guarantee

Goto

See page 79 for Techspecs.

SLFM360

SLFM360 **360° Flush Mount Ceiling PIR Presence Detector**

- Flush mounting.
- 360° ceiling flush mount PIR presence detector.
- 6m diameter (3m radius) detection range at 2.5m mounting height.
- No creep zone – maximum coverage.
- Light ON time adjustable from 5 seconds to 18 minutes.
- Manual ON/OFF override.
- IP44 weatherproof rating (also suitable for outdoor use).
- Adjustable light level control.
- Total PIR switching: 2000W (e.g. 20x 100W GLS) incandescent or halogen, 500W fluorescent/low energy.
- Not suitable for discharge lighting.
- 75W fan.

PIR Presence Detectors

Timeguard's new PIR Presence Detectors bring economy and flexibility to the workplace. Lights are activated only when they are needed, saving money and CO_2 when areas are unoccupied.

Take control of your lighting with our PIR light controllers and security light switches.

Save more than money with Timeguard

Reduce CO_2 Emissions

Save Energy

Save Money

Easy to Install

Comply with Part L of Building Regs.

PDSM361/PDSM362 Optional

PDSM361 **PIR Presence Detector – Surface Mount, Single Channel**

Ideal for energy saving installations in the workplace, corridors, offices, toilets etc., where light control can make all the difference.

- Single channel surface ceiling mount.
- Switches lights on when presence is detected and to light levels (LUX) set.
- 360° circular detection, range up to 7m at 2.5m mounting height.
- 3 user friendly adjustments for Time, LUX levels and Metre range.
- Timer adjustment – continuous from 5 sec to 20 minutes (up to 30 or 60 minutes with IR10 remote).
- Lux adjustment – continuous from 10 to 2000 Lux.
- Metre adjustment – approx (-) Ø1m to (+) Ø7m at 2.5m height.
- Total switching: 2000W incandescent/halogen, 750W fluorescent/low energy.
- Optional infra-red remote control for remote set-up and adjustment using part code IR-10. Also gives extended lamp ON times.
- LED indication on detection and on optional remote control set-up.
- Side or bottom cable entry.

PDFM361/PDFM362 Optional

PDFM361 **PIR Presence Detector – Flush Mount, Single Channel**

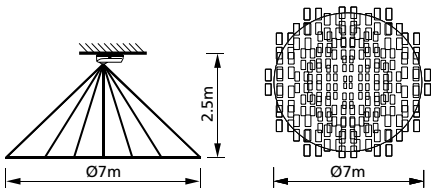
Shares the features and benefits of the PDSM361 but is flush mounted.

PDFM362 **PIR Presence Detector – Flush Mount, 2 Channel**

Shares the features and benefits of the PDFM361 but has two outputs switching lights and HVAC loads and timer adjustments for each channel.

PDSM362 **PIR Presence Detector – Surface Mount, 2 Channel**

Shares the features and benefits of the PDSM361 but has two outputs switching lights and HVAC loads and timer adjustments for each channel.



PDSM/PDFM – detection range & coverage

IR10

IR10 **Infra-Red Remote Control – for use with PIR Presence Detectors**

For use with PIR Presence detector models PDSM361, PDSM362, PDFM361 and PSFM362.

- Ceiling mount presence detectors can be set up and adjusted without the use of ladders.
- Adjustable light (LUX) and time on levels at the touch of a button.
- Easy to set by symbol recognition.
- Extended lamp ON times available.
- 3m (approx) transmission range.
- 3V DC (CR2032 battery) factory fitted & replaceable.

Look Out for Timeguard's Energy Saving Products.

Energy Saving Products

Reducing the amount of the energy you use is one of the fastest, most effective ways to save money and it will also help you combat climate change by reducing your carbon footprint.

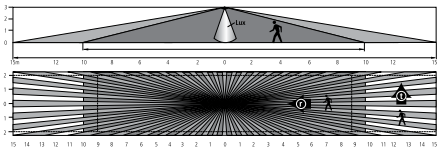
Main Product Features

PDSM362 illustrated

201 0 090 Compact Passage

201.0.090 **Compact Passage 360° PIR Presence Detector**

- Ceiling mounted.
- Rectangular 30 x 4m detection coverage for corridors, horizontal 360°, vertical 160° at 2.5m mounting height.
- Automatic HVAC and lighting control plus room surveillance.
- Mixed light measurement 10 – 1500 Lux (approx.), deactivatable.
- Switch off delay time 10 sec – 20 min, short pulse.
- Switch off delay time for presence 10 sec – 120 min.
- Switch on delay for presence 0 sec – 10 min, room surveillance.
- Total switching 1200W incandescent/halogen. 500W fluorescent/low energy.
- IP40 environmental protection.
- Service remote control Quickset Plus (optional).
- User remote control Clic (optional)
- Surface mounting box required. Part No. 907.0.514.

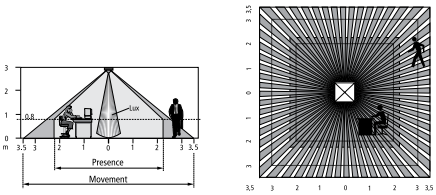


201.0.090 detection range & coverage

200 0 000 PresenceLight 360

200.0.000 **PresenceLight 360 360° PIR Presence Detector**

- Ceiling mounted.
- Square 6 x 6m detection coverage at 2.5m mounting height.
- Mixed light measurement 10 – 1500 Lux (approx.), deactivatable.
- Switch off delay time 10 sec – 20 min, short pulse.
- Total switching 1200W incandescent/halogen. 500W fluorescent/low energy.
- IP54 environmental protection.
- Service remote control Quickset Plus (optional).
- User remote control Clic (optional)
- Surface mounting box required. Part No. 907.0.513.

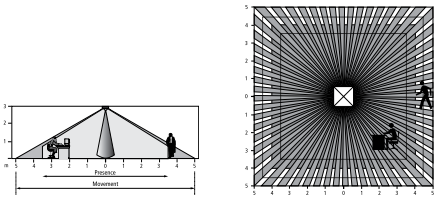


200.0.000 detection range & coverage

202 0 000 ECO-IR 360A

202.0.000 **ECO-IR 360A 360° PIR Presence Detector**

- Ceiling mounted.
- Square 8 x 8m detection coverage at 2.5m mounting height.
- Automatic HVAC and lighting control.
- Real daylight measurement 50 – 1600 Lux (approx.), deactivatable.
- Switch off delay time for light 2 – 15 min.
- Switch off delay time for presence 10 sec – 60 min.
- Total switching 1200W incandescent/halogen. 500W fluorescent/low energy, HVAC 460VA.
- Surface mounting box required. Part No. 907.0.512.



202.0.000 detection range & coverage

3 theben Guarantee

Goto

See page 79 for Techspecs.

907.0.532

907.0.515

Surface Mounting Boxes

The Theben 200 series presence detectors can only be surface mounted using mounting kits.

907.0.514	Kit for 201.0.090
907.0.513	Kit for 200.0.000
907.0.512	Kit for 202.0.000

Remote Controls

907.0.532	Service – Quickset Plus
907.0.515	User – Clic

ECO-IR360A with box

907.0.512

ECO42F/ECO26F

ECO42F **42W Energy Saver Floodlight with Dusk-to-Dawn Control**

Energy saver floodlight provides powerful, effective and economical outdoor lighting. It has a built-in sensor that automatically switches the light ON and will switch OFF up to 8 hours later or at dawn.

- 42W energy saving bulb gives the output of a 200W incandescent light with only 20% of the running cost.
- Automatically switches ON at dusk (adjustable light level sensor).
- Light ON time adjustable for up to 8 hours or automatically switches OFF at dawn.
- Manual override.
- IP44 weatherproof rating.
- 42W compact fluorescent E.S. lamp supplied.

3 Guarantee

Goto
See page 79 for Techspecs.

ECO18B

ECO18B **18W Energy Saver Bulkhead Light with Dusk-to-Dawn Sensor**

Energy saver bulkhead light has the output of a 100W incandescent light but uses only 20% of the power. It has a built-in sensor that automatically switches the light ON and will switch OFF again at dawn.

- 18W energy saving bulb gives the output of a 100W incandescent light with only 20% of the running cost.
- Automatically switches ON at dusk (pre-set light level sensor).
- Automatically switches OFF at dawn.
- IP44 weatherproof rating.
- 18W compact fluorescent E.S. lamp supplied.

ECO26F **26W Energy Saver Floodlight with Dusk-to-Dawn Control**

Shares all the features and benefits of the ECO42F but uses a 26W compact fluorescent ES lamp supplied.

ECO18PY

ECO18PY **18W Energy Saver Pyramid Bulkhead Light with Dusk- to-Dawn Control**

The pyramid light shares all the features and benefits of the ECO18B plus it can be mounted horizontally or vertically, on a wall or ceiling for maximum versatility. Its tough polycarbonate construction is resistant to accidental damage, vandalism and environmental conditions.

- 18W energy saving bulb gives the output of a 100W incandescent light with only 20% of the running cost.
- 'Any Way Up' installation allows horizontal or vertical mounting, on walls and ceilings.
- Automatically switches ON at dusk (adjustable light level sensor).
- Light ON time adjustable for up to 8 hours or automatically switches OFF at dawn.
- Manual override.
- IP44 weatherproof rating.
- 18W compact fluorescent E.S. lamp supplied.

Eco Energy Saving Lights

Powerful, effective and economical outdoor lighting. Ideal for enhancing the security and appearance of the home or garden, lighting the patio or illuminating the driveway.

Energy saver bulbs generate significantly less heat than halogen equivalents making the range safe for all outdoor applications and with dusk-to-dawn switching control, Timeguard's ECO range is the right choice for environmentally responsible lighting.

Save energy...
save money...
save time

energy saving security lighting

ECO Energy Saving Lights

ECO13L

ECO13L **13W Energy Saver Lantern Light with Dusk-to-Dawn Control**

Energy saver lantern has the output of a 60W incandescent light but uses only 25% of the power. It has a built-in sensor that automatically switches the light ON and will switch OFF between 2 to 8 hours later or at dawn. Its tough polycarbonate construction is resistant to accidental damage, vandalism and environmental conditions.

- 13W energy saving bulb gives the output of a 60W incandescent light with only 25% of the running cost.
- Automatically switches ON at dusk (adjustable light level sensor).
- Light ON time adjustable from 2 to 8 hours.
- Automatically switches OFF at dawn.
- Manual override.
- IP44 weatherproof rating.
- 13W compact fluorescent E.S. lamp supplied.

MLB360CFL

MLB360CFL **22W 360° NIGHT eye PIR Energy Saving Wall Light**

The MLB360CFL energy saving wall light has all the energy saving features of the ECO range plus a 360° PIR sensor that can detect movement within a 12 metre range. The light is only activated when required saving even more energy and money.

- 360° PIR energy saving wall light with adjustable (pan & tilt) PIR detector.
- Low energy design – low running costs.
- All round 360° PIR detection with immediate illumination on exit and approach.
- 12m detection range.
- Light ON times from 5 seconds to 18 minutes.
- Adjustable light level control.
- IP55 weatherproof rating.
- Total PIR switching: 3kW halogen/incandescent, 600W fluorescent/low energy.
- Corner and surface mount wall brackets supplied.
- 22W compact fluorescent E.S. lamp supplied.

3 Guarantee

See page 79 for Techspecs.

energy saving security lighting

Eco Versatility

Energy saving bulbs can give the equivalent output of most halogen/ incandescent bulbs but only 20-25% of the running costs (depending on model).

Energy saving bulbs also have an average life of 12,000 hours – up to six times longer than a standard halogen, providing over 4 years service between bulb changes.

ZV700

ZV700 **7 Day Digital Security Light Switch (with Optional Dusk Start)**

24 hour/7 day digital light switch which will automatically turn filament, fluorescent, low energy and low voltage lights ON & OFF at pre-programmed times. An optional dusk start feature turns lights ON at dusk and OFF at a programmed time.

- 6 ON/OFF switching programmes.
- Can be set to operate over all weekdays, both weekend days, all 7 days (24 hour operation) or on individual days.
- Three position slide switch allows manual operation, auto operation with timed ON's and OFF's or auto and photocell operation giving dusk start and timed OFF with additional timed ON's and OFF's if required.
- Built-in 1000 hour rechargeable battery retains programmes and clock times during power failure.
- Controls 40 – 300W of filament, 20 – 150W low energy (minimum bulb size 20W), 18 – 76W of fluorescent and 20 – 200W of low voltage lighting.
- Note: FLA01 strip light adaptor may be required in certain installations.

ZV210/ZV215 (closed)

ZV210 **Programmable Security Light Switch**

Programmable Security Light Switch will turn a light ON automatically when it gets dark and can be programmed to turn OFF again up to approximately 8 hours later. Easy to install and operate, a direct replacement for an existing wall switch and can also be used as a normal ON/OFF switch.

- Light ON time programmable for up to 8 hours approximately.
- Adjustable light level control for dusk switching to compensate for differing light levels within a building.
- Note: FLA01 strip light adaptor will allow operation with up to 85W of fluorescent or low energy lamps.

ZV215 **Programmable Security Light Switch**

Shares all the features and benefits of the ZV210 with an additional switch for manual control only of another light.

- Second manual only switch which can control 500W of filament, 100W of low energy or 200W of fluorescent lighting.

ZV810

ZV810 **Motion Sensor PIR Light Switch**

Detects PIR body heat motion and automatically switches the light ON, turning it OFF again after a time adjustable from 6 seconds to 12 minutes.

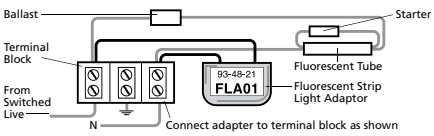
- AUTO/ON/OFF selections.
- 180° detection area with adjustable 8m detection range.
- Light ON times adjustable from 6 seconds to 12 minutes.
- Fully adjustable light level control.
- Can also be used as a normal ON/OFF or 2 way switch.
- Suitable for lamp loads: 40 – 500W incandescent, 40 – 150W low voltage halogen, 18 – 150W fluorescent with electronic ballast, 15 – 150W electronic PL lamp (Philips or Osram only).

3 Year Guarantee

Goto

See page 80 for Techspecs.

FLA01



FLA01 **Fluorescent Strip Light Adaptor**

Allows up to 85W of fluorescent strip lights or low energy lamps to be used with ZV700, ZV210 & ZV215. The FLA01 connects between switched live and neutral where space allows.

- Can be used with the Digital Light Switch (ZV700) for different loads.
- One adaptor per switch.

Light Switches

An extensive range of security light switches offering unrivalled reliability, versatility and value for money.

All designed to replace existing light switches, including those in two way switching systems.

RLS010

RLS010 **Infra-Red Light Switch with Remote Control**

An attractive infra-red light switch with remote control for quick and easy dimming and ON/OFF control of room lights up to 300W. The light(s) under control can either be switched ON/OFF or dimmed by the hand held remote control or by the push button on the switch.

- Remote ON/OFF control and dimming control of light(s) for convenience and ease of operation.
- Optional light switch or remote operation.
- Remote control with range up to 8 metres ±50°.
- Maximum of 4 light switches can be controlled by channel selection on remote control.
- Controls up to 300W of filament lighting (including halogen). Not suitable for fluorescent, low energy or low voltage lighting.
- Replaces any conventional single gang ON/OFF light switch (not 2 way).

DS1//DSS

DS1 **Electronic Time Delay Switch (2 Wire)**

Single gang push button delay switch with centre button neon. Light ON times are adjustable from 10 seconds to 10 minutes approx. via a tamperproof potentiometer setting.

- 2 wire connection - Neutral not required.
- Neon button highlights switch in dark areas.
- Replaces any conventional single gang (ON/OFF) light switch.
- Adjustable light ON times from 10 seconds to 10 minutes approx. via a tamperproof potentiometer.
- For use with incandescent lighting up to 1.5kW and 20 – 200W of low voltage lighting (not suitable for fluorescent and low energy lighting).
- See Part No. DSS for multiple position switching.

DSS **Electronic Time Delay Switch Slave**

For use with one DS1 in multiple position switching (up to 10 can be used with one DS1). Not suitable for use with DS2.

DS2

DS2 **Electronic Time Delay Switch (3 Wire)**

Single gang push button delay switch with centre button neon. Light ON times are adjustable via a tamperproof potentiometer from 10 seconds to 2 hours approx. in 4 ranges (selectable by 2 position DIL switch).

- Adjustable light ON times from 10 seconds to 2 hours approx. by potentiometer in 4 ranges (selectable by 2 position DIL switch): 3 sec – 30 sec, 12 sec – 2min 4 sec, 1 min 36 sec – 16 min 31 sec, 12 min 26 sec –2hrs 12 min (all nominal).
- For use with incandescent lighting up to 1.5kW, 2kW heating and 20 – 200W of low voltage lighting (not suitable for fluorescent and low energy lighting).
- Note: 3 wire connection – Neutral required.

Main Product Features

PSL118 illustrated

Security Lamp Holders

A plug-in range of security lamp holders offering unrivalled reliability, versatility and value for money. Lamp holders simply plug-in to provide instant protection.

With dusk-to-dawn sensing and easily selectable light OFF times they are the simplest way to make your home appear occupied.

PSL07/PSL118

EPNL5

TGNL15

PSL07 **Dusk to Dawn with Random Security Lamp Holder**

For use with normal and electronic energy saving bulbs the unit fits between a bulb holder and the bulb to give instant security lighting.

- Dusk till dawn with random switching or light ON at dusk and OFF at a selectable time between 3 & 12 hours later.
- For use with bayonet fitting electronic energy saving bulbs- min: 9W to max: 20W and normal bayonet fitting incandescent bulbs – min: 40W to max: 100W (60W for closed shade).
- Can be used as a normal or a security light.

PSL118 **Automatic Dusk to Timed Off Security Lamp Holder**

Shares all the features and benefits of the PSL07 but is without dusk to dawn random switching and is a more compact unit.

- Dusk till dawn switching or light ON at dusk and OFF at a selectable time between 3, 6, 9 & 12 hours later.

EPNL5 **Automatic Dusk to Dawn Night Light**

Automatic dusk-till-dawn night light simply plugs straight into a 13A socket to provide instant soft and gentle light. A built-in sensor turns the light ON at dusk, then OFF at dawn and prevents daytime operation.

- Simply plug into socket for instant night light.
- Provides gentle light for comfort and safety.
- Ideal for use in nurseries, young children's bedrooms, landings & hallways.
- Built in sensor prevents daytime operation.
- Supplied with bulb in unit and spare in pack.

EPNL5T **Automatic Dusk to Dawn Night Light – Twin Pack**

The EPNL5 automatic dusk-till-dawn night light is also available as a money saving twin pack.

EPNLB **Night Light Bulb**

Spare bulbs for the EPNL5 in a twin pack.

TGNL15 **Cool Glow Night Light**

Coolglow Night light differs from the majority of other night lights in that it gives off a pleasing non-heat cool glow light in a diffuse pattern.

- Ideal for use in nurseries, young children's bedrooms, landings & hallways.
- Plugs straight into a socket for instant ON/OFF use (controlled by integral switch).
- Provides non-heat luminescent light for comfort and safety.
- One year warranty only.

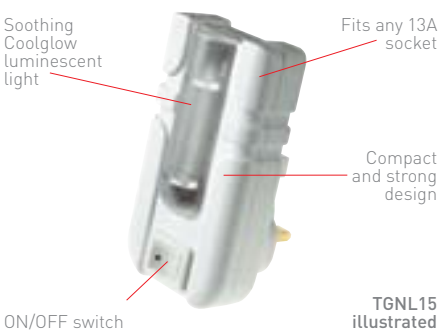
TGNL15T **Cool Glow Night Light – Triple Pack**

The TGNL15 automatic dusk-till-dawn night light is also available as a money saving triple pack.

3 Year Guarantee

Goto
See page 80 for Techspecs.

Main Product Features



TGNL15 illustrated

Night Lights

A superb range of night lights offering unrivalled reliability, versatility and value for money.

Night lights simply plug-in to provide instant protection and safety to the home.

Ideal for young children's bedrooms, hallways etc.

PIR Lighting Controllers

SLW2400/MTLW3000

SLW2400 **2000W PIR Light Controller**

180° PIR Light controller switches ON connected lighting when movement is detected. 12 metre range with a total PIR switching of 2000W incandescent/ halogen or 500W fluorescent/low energy lighting.

- 12m detection range with 180° area of detection.
- Adjustable light level control.
- IP44 weatherproof rating.
- Adjustable light ON time 5 seconds to 18 minutes.
- Manual ON/OFF override.
- Hinged back box for ease of wiring.
- Total PIR switching: 2000W incandescent/halogen, 500W fluorescent/ low energy.

MTLW3000 NIGHT eye **PIR Light Controller**

Shares all the features and benefits of the SLW2400 plus a 200° detection area, IP55 weatherproof rating and total PIR switching of 3000W incandescent/halogen or 500W fluorescent/low energy lighting.

- 12m detection range with 200° area of detection.
- Total PIR switching: 3000W halogen/incandescent, 600W fluorescent/low energy.

NSLDD1000

NSLDD1000 **3000W Dusk to Dawn Light Controller**

IP55 exterior dusk to dawn sensor which automatically switches ON connected lighting at dusk and off again at dawn.

- Hinged front cover for ease of wiring.
- Dusk light level adjustment.
- Light ON time is adjustable in 5 steps (2, 4, 6, 8 hours or until dawn).
- IP55 weatherproof rating.
- Switching delay avoids nuisance switching.
- Total light switching: 3000W incandescent/halogen, 500W fluorescent/low energy.

3 Guarantee

Goto

See page 81 for Techspecs.

PIR Lighting Controllers

An extensive range of security lighting controllers for all round detection and light control.

PIR detection in a variety of styles, detection patterns and mountings, ideal for energy saving applications where light control can make all the difference.

NSLOD2000

NSLOD2000 **2000W Overdoor PIR Light Controller**

200° curtain PIR detector with 5m frontal and 5m each side detection range.

- 200° curtain PIR detection sensor.
- 5m frontal and 5m each side high resolution detection range (normal coverage up to 5m).
- Eliminates creep/sneak zones below sensor.
- Ideal for protecting windows and doorways.
- IP55 weatherproof rating.
- Adjustable light ON time 5 secs to 18 mins.
- Hinged back box for ease of wiring.
- Adjustable light level control.
- Total PIR switching: 3000W incandescent/ halogen, 500W fluorescent/low energy.

NSLB2000/NSLW2000

NSLB2000 **2000W PIR Light Controller – Black**

- Powerful PIR controller for new and existing installations.
- 12m detection range with 180° area of detection.
- Light ON times adjustable from 5 seconds to 5 minutes.
- Adjustable light level control.
- Manual ON/OFF switching override.
- Quick & easy installation.
- IP55 weatherproof rating.
- Total PIR Switching: 2300W incandescent/ halogen, 500W fluorescent/low energy.

NSLW2000 **2000W PIR Light Controller – White**

Shares all the features and benefits of the NSLB2000 but is available in white finish.

MLB3000/MLW3000

MLB3000 **3000W NIGHT eye PIR Light Controller – Black**

- 12m detection range with 200° area of detection.
- Light ON times adjustable from 5 seconds to 18 minutes.
- Scrolling LED 'System Live' status acts as advance deterrent.
- Adjustable light level control.
- Manual ON/OFF override.
- Optional holiday mode between 1 & 8 hours.
- Direct mount bracketless fixing – Contractor quick fit aid supplied.
- IP55 weatherproof rating.
- Total PIR switching: 3000W halogen/ incandescent, 500W fluorescent/low energy.

MLW3000 **3000W NIGHT eye PIR Light Controller – White**

Shares all the features and benefits of the MLB3000 but is available in white finish.

NIGHT eye

5 Guarantee

All NIGHT eye PIR units carry a 5 year guarantee

PIR Controlled Security Lighting Can Help Prevent Crime

Households most at risk from burglary have no security measures and are ten times more likely to be chosen.

Out of all reported burglaries just under half were attempted break-ins, where the offender failed to gain entry to the property.

Security lighting is so important, as the point of entry is selected for being the quickest, easiest, and unobserved.

Two thirds of burglaries take place between the hours of dusk to dawn. Fitting a simple PIR floodlight stops them lurking in the shadows.

SL055

SL099

SL055 3000W NIGHT eye Sensor Switch and Detector

Multi-sensor indoor switch and 180° PIR sensor provides control of outdoor security lighting in either 1 or 2 zones. Each zone is independent and can take up to 4 extra low voltage sensors and controls 1500W of lighting.

- Converts new or existing outdoor lighting.
- Indoor switch with optional audible alarm for each zone.
- Controls up to a total of 1500W of incandescent/halogen lighting or 500W fluorescent/low energy per zone.
- Adjustable light level control (allowing daylight operation if required).
- Single zone use possible with up to 8 detectors.
- SL099 180° 15 metre detector supplied.
- Additional low voltage detectors are available. Part No. SL099.

SL099 180° NIGHT eye PIR Wall Sensor Detector

Spare low voltage detector for SL055 sensor switch.

- Low voltage PIR detector for use with SL055.
- 180° detection area.
- 15 metre detection range.
- Up to 8 SL099 detectors can be used with each SL055 sensor switch.

5 Guarantee

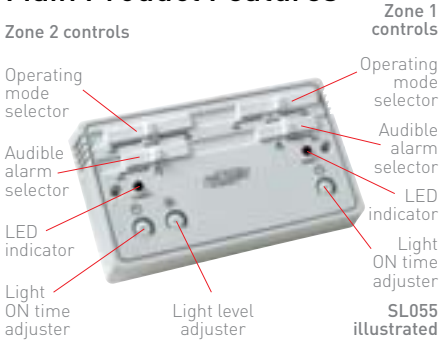
Goto
See page 81 for Techspecs.

NIGHT eye

Control Existing Outdoor Lighting

Timeguard make it easier than ever to design and build a PIR security lighting system to match the exact needs of individual premises. With our extensive range of PIR lighting controllers both new and existing light installations can be changed to security lighting. All backed by Timeguard's 3 and 5 year guarantees... clearly the installers choice.

Main Product Features



MLSA360

MLSA360 **360° NIGHT eye PIR Security Light Controller**

- 360° PIR detector with adjustable (pan & tilt) PIR sensor.
- All round 360° detection with immediate illumination on exit and approach.
- 12m detection range.
- Light ON times from 5 seconds to 18 minutes.
- Adjustable light level control.
- IP55 weatherproof rating.
- Total PIR switching: 3000W incandescent/ halogen, 500W fluorescent/low energy.
- Corner mount wall bracket supplied.

Transmits

TLTXDCB

TLTXDCB **RF PIR Battery Powered Detector**

A battery powered (DC9V – 1 x PP3 type battery) PIR detector only with no mains light connections. For use with the TLRXC1 plug-in chime alarm adaptor receiver only.

- No mains wiring – enables quick installations where no mains power is present.
- Adjustable 12m detection range with 180° area of detection.
- RF technology enables activation of TLRXC1 plug-in chime upon PIR detection.
- 100m transmissions range in free air space.
- Adjustable light level control.
- IP44 weatherproof rating.
- Direct mount bracketless fixing – Contractor quick fit aid supplied.
- Uses 1 x PP3 type battery (not supplied).

Receives

TLRXC1

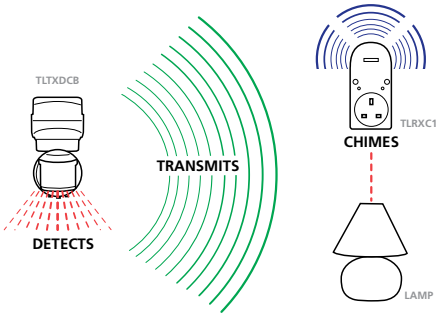
TLRXC1 **RF Plug-In Chime Alarm Adaptor Receiver**

A plug-in RF chime alarm and adaptor which emits up to 10 different audible warning sounds when activated by the TLTXDCB RF detector. Will also activate plugged-in appliances i.e. table lamp, radio etc on detection.

- 10 different alarm sounds available.
- Ideal for security and courtesy applications.
- Adjustable time ON period between 5 seconds to 15 minutes including plugged-in device.
- Push button manual override.
- For indoor use only.
- Switching capability: 400W filament lamp load.

5 Guarantee

Goto
See page 81 for Techspecs.



Typical Installation

RF technology enables the transmission from TLTXDCB detector (up to 100m range in free air space) to activate the receiving TLRXC1 plug-in chime, giving an audible alarm when detection is made.

PIR Floodlights

NSLB500/NSLW500

NSLB150/NSLW150

NSLB500 Black, NSLW500 White
500W PIR Halogen Floodlight

- Powerful 500W enclosed halogen floodlight with adjustable integral PIR detector.
- Can replace an existing outdoor light.
- Detects body heat up to 12 metres away and automatically switches the light ON.
- 180° adjustable detection angle.
- Moveable detector allows horizontal and vertical PIR range adjustment.
- Manual ON/OFF switching override.
- Light ON time adjustable from 5 seconds to 5 minutes.
- Built-in sensor prevents daytime operation.
- 500W halogen lamp supplied.
- IP55 weatherproof rating.
- Total PIR Switching: 2300W incandescent/halogen or 375W fluorescent/ low energy lighting.
- Available in black or white finish

3 Guarantee

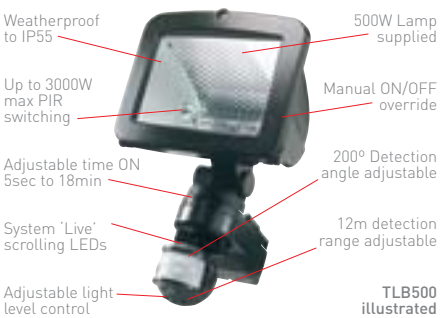
Goto
See page 81 for Techspecs.

NSLB150 Black, NSLW150 White
150W PIR Halogen Floodlight

Shares all the features and benefits of the NSLB500/NSLW500 except for the use of a 150W floodlight.

- Compact 150W enclosed halogen floodlight with adjustable integral PIR detector.
- Can replace an existing outdoor light.
- Detects body heat up to 12 metres away and automatically switches the light ON.
- 180° adjustable detection angle.
- Moveable detector allows horizontal and vertical PIR range adjustment.
- Manual ON/OFF switching override.
- Light ON time adjustable from 5 seconds to 5 minutes.
- Built-in sensor prevents daytime operation.
- 150W halogen lamp supplied.
- IP55 weatherproof rating.
- Total PIR Switching: 2300W incandescent/halogen or 375W fluorescent/ low energy lighting.
- Available in black or white finish

Main Product Features



TLB500 illustrated

MLB500/MLW500

MLB500 Black, MLW500 White **500W** NIGHT eye **PIR Halogen Floodlight**

- Powerful 500W enclosed halogen floodlight with adjustable (pan & tilt) PIR detector and floodlight.
- Adjustable 12m detection range with 200° area of detection.
- Scrolling LED 'System Live' status acts as advance deterrent.
- Light ON times adjustable from 5 seconds to 18 minutes.
- Adjustable light level control.
- Manual ON/OFF override.
- Optional holiday mode allows light ON time setting between 1 & 8 hours.
- Direct mount bracketless fixing – Contractor quick fit aid supplied.
- IP55 weatherproof rating.
- Total PIR switching: 3000W incandescent/ halogen 375W fluorescent/low energy lighting.
- 500W halogen lamp supplied.
- Available in black or white finish

MLB150/MLW150

MLB150 Black, MLW150 White **150W** NIGHT eye **PIR Halogen Floodlight**

Shares all the features and benefits of the MLB500/MLW500 except for the use of 150W halogen bulbs in a smaller flood.

- Adjustable 12m detection range with 200° area of detection.
- Scrolling LED 'System Live' status acts as advance deterrent.
- Light ON times adjustable from 5 seconds to 18 minutes.
- Adjustable light level control.
- Manual ON/OFF override.
- Direct mount bracketless fixing – Contractor quick fit aid supplied.
- IP55 weatherproof rating.
- Total PIR switching: 3000W incandescent/ halogen 375W fluorescent/low energy lighting.
- 150W halogen lamp supplied.
- Available in black or white finish

MLBTS/MLWTS

MLBTS Black, MLWTS White **150W** NIGHT eye **PIR Twin Spot Light**

- Powerful PAR 30 PIR twin spot light with adjustable (pan & tilt) PIR detector.
- 12m detection range with 200° area of detection.
- Scrolling LED 'System Live' status indicator.
- Light ON times adjustable from 5 seconds to 18 minutes.
- Adjustable light level control.
- Manual ON/OFF override.
- IP55 weatherproof rating.
- Total PIR switching: 3000W incandescent/ halogen 375W fluorescent/low energy lighting.
- 2 x 75W PAR lamps supplied.
- Available in black or white finish

5 Guarantee

Goto
See page 81 for Techspecs.

Matching Floodlights for NSLB/NSLW Ranges

- Part No. NCFB500 - 500W for NSLB500 PIR Halogen Floodlight – Black.
- Part No. NCFB150 -150W for NSLB150 PIR Halogen Floodlight – Black.
- Part No. NCFW500 - 500W for NSLW500 PIR Halogen Floodlight – White.
- Part No. NCFW150 - 150W for NSLW150 PIR Halogen Floodlight – White.

NCFB500

NCFW150

PIR Bulkheads & Lanterns

MLB98/MLW99

MLB98 Black, MLW99 White
60W NIGHT eye PIR Bulkhead Light

- Powerful PIR bulkhead with adjustable (pan & tilt) PIR detector.
- Suitable for use with low energy (E.S.) lamp (22W lamp included).
- Adjustable 12m detection range with 200° area of detection.
- Light ON times adjustable from 5 seconds to 18 minutes.
- Adjustable light level control.
- Manual ON/OFF override.
- IP55 weatherproof rating.
- Optional holiday mode between 1 & 8 hours.
- Total PIR switching: 3000W incandescent/ halogen 500W fluorescent/low energy lighting.
- Available in black or white finish

SLB88/SLW89

SLB88 Black, SLW89 White
60W PIR Bulkhead Light

- Bulkhead style light with integral PIR detector.
- 8 metre range, 110° detection area.
- Can switch up to 440W of additional filament or 100W fluorescent/low energy lighting.
- Adjustable light ON times and light level control.
- IP44 weatherproof rating.
- Uses a standard E.S. bulb – up to 60W.
- Available in black or white finish

SLB44/SLW45

SLB44 Black, SLW45 White
60W PIR Lantern Light

- Security/courtesy lantern with passive infra-red detector.
- Detects people approaching the house and automatically switches the light ON.
- 8 metre range, 110° detection area.
- Light ON time adjustable from 5 seconds to 5 minutes.
- Easy installation – can replace existing outside light.
- Uses standard E.S. bulb – up to 60W.
- IP43 weatherproof rating.
- Not suitable for low energy lamps.
- Available in black or white finish

5 Year Guarantee

3 Year Guarantee

Goto
See page 81 for Techspecs.

Versatile Outdoor Lighting

A range of high powered PIR Security Bulkhead Lights with up to 3000W total loading, decorative PIR Security Lanterns and 360° Energy Saving Lights for door entry/exit applications.

Security lighting to cover all the angles.

Look Out for Timeguard's Energy Saving Products.

ENERGY SAVING

Energy Saving Products

Reducing the amount of the energy you use is one of the fastest, most effective ways to save money and it will also help you combat climate change by reducing your carbon footprint.

Safety section

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Single Zone System Kits

EASZK/EASZPRK

EASSSZK/EASSSZPRK

EASZK **Emergency Assist Alarm System Kit – Single Zone**

Single zone control panel kits are available for where assistance may be required in WC areas, changing rooms, bedrooms etc. With 2 wire connection between control panel, pull cord, reset button and overhead door alert flasher, installation couldn't be simpler making it a must have for new installations and existing conversions. Kit consists of:

1x	**EACP1**	Single Zone Control Panel – 2 gang.
1x	**EARB1**	Reset Button – single gang.
1x	**EAPC1**	Pull Cord.
1x	**EADF1**	Over Door Flasher.
1x	**EADS**	Disabled Sticker.

EASZPRK **Emergency Assist Alarm System Kit with Battery Back-up – Single Zone**

Shares all the features and benefits of the EASZK kit but with a battery back-up control panel (Part No. EACP1PR).

- Battery back-up in the event of a power failure.
  - 36 hours in standby.
  - 45 minutes in continuous alarm condition.

EASSSZK **Emergency Assist Alarm System Kit (Stainless Steel Finish) – Single Zone**

Kit consists of:

1x	**EASSCP1**	Single Zone (Stainless Steel Finish) Control Panel – 2 gang.
1x	**EASSRB1**	Reset Button (Stainless Steel Finish) – single gang.
1x	**EAPC1**	Pull Cord.
1x	**EASSDF1**	Over Door Flasher (Stainless Steel Finish).
1x	**EADS**	Disabled Sticker.

EASSSZPRK **Emergency Assist Alarm System Kit (Stainless Steel Finish) with Battery Back-up – Single Zone**

Shares all the features and benefits of the EASSSZK kit but with a battery back-up control panel (Part No. EASSCP1PR).

- Battery back-up in the event of a power failure.
  - 36 hours in standby.
  - 45 minutes in continuous alarm condition.

Emergency Assist Alarms

Timeguard has introduced a range of slimline Emergency Assist products specifically designed for simple installation in areas where an emergency call for assistance may be required. Single zone control panel kits are available for the home, shop conversions and small businesses where assistance may be required in WC areas, changing rooms, bedrooms etc. Emergency Assist is also available with a 4 zone control panel for larger multi-point installations such as residential homes, leisure centres and large commercial buildings.

Simple 2-wire connection from control panel to kit components.

Components & Accessories

EACP1/EACP1PR

EASSCP1/EASSCP1PR

EARB1

EACP1 **Single Zone Control Panel – 2 Gang**

Single zone control panel with audible and visual alert, reset button, standby LED (on mains operation) and automatic fault detection that warns of a wiring problem.

- Simple to install 2 core wire connection from control panel to kit components.
- Single zone systems ideal for WC's and rooms in the home, shop conversions and small businesses.
- Continuous high dB Control Panel alarm with audible and visual alerts.
- Optional Hi/Low alarm sounder facility.
- Control Panel fits standard BS flush 2 gang or surface mounted boxes.
- Complies with BSEN 60065: 2002.
- Designed to meet requirements of the DDA (Disability Act).

EACP1PR **Single Zone Control Panel with Battery Back-Up – 2 Gang**

Shares all the features and benefits of the EACP1 with a battery back-up facility.

EASSCP1 **Single Zone (Stainless Steel Finish) Control Panel – 2 Gang**

Shares all the features and benefits of the EACP1 but has a stainless steel finish.

EASSCP1PR **Single Zone (Stainless Steel Finish) Control Panel with Battery Back-Up – 2 Gang**

Shares all the features and benefits of the EACP1PR but has a stainless steel finish.

- Battery back-up in the event of a power failure.
  - 36 hours in standby.
  - 45 minutes in continuous alarm condition.

EARB1 **Single Zone Reset Button – Single Gang**

Reset panel to be installed inside the room where the emergency call for assistance may be required.

- Pulsating flashing alarm with audible and visual alert.
- Reset button fits standard BS flush or surface mounted boxes.
- Complies with BSEN 60065: 2002.
- Designed to meet requirements of the DDA (Disability Act).

EASSRB1 **Single Zone (Stainless Steel Finish) Reset Button – Single Gang**

Shares all the features and benefits of the EARB1 but has a stainless steel finish.

3 Year Guarantee

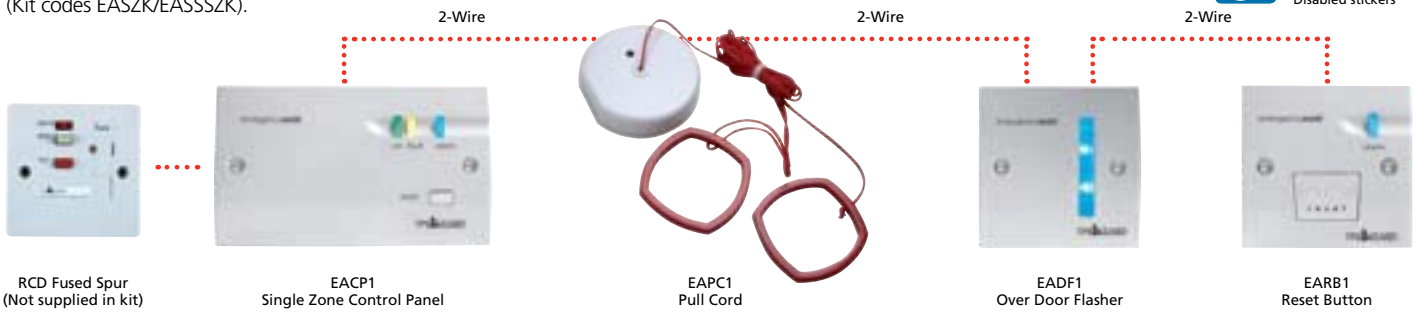
Goto

See page 82 for Techspecs.

Typical Single Zone Installation

(Kit codes EASZK/EASSSZK).

Contact us for additional Disabled stickers



RCD Fused Spur (Not supplied in kit)

EACP1 Single Zone Control Panel

EAPC1 Pull Cord

EADF1 Over Door Flasher

EARB1 Reset Button

Components & Accessories

EADF1

EADF1 **Single Zone Over-Door Flasher**

Over-door unit to be installed outside the internal room where the emergency call for assistance may be required.

- Pulsating over-door flashing alarm with audible and visual alert.
- Complies with BSEN 60065: 2002.
- Designed to meet requirements of the DDA (Disability Act).
- Disabled sticker (EADS) included.

EASSDF1 **Single Zone (Stainless Steel Finish) Over-Door Flasher**

Shares all the features and benefits of the EADF1 but has a stainless steel finish.

EADS **Disabled Sticker**

Self-adhesive disabled sticker.

EACP1

EACP1 **Single Zone Pull Cord**

Emergency pull cord with visual alert used to activate the alarm. Consists of two easy grip handles on a 2.5 metre cord attached to the ceiling mounted switch

- Complies with BSEN 60065: 2002.
- Designed to meet requirements of the DDA (Disability Act).

EAPB1

EAAB1

EAAB1 **Emergency Alarm Button**

This new addition to the Emergency Assist range can replace or be used in conjunction with EACP1 pull cords.

- Complies with BSEN 60065: 2002.
- Fits a standard BS flush or surface mount wall box.
- LED illuminates when button is pressed.
- Can be used in conjunction with pull cords.
- Designed to meet requirements of the DDA (Disability Act).

EAPB1 **Emergency Push Button**

Shares all the features and benefits of the EAAB1 but is surface mounted.

- Complies with BSEN 60065: 2002.
- Surface mount design with illuminated panic button when pressed.
- IP66 rated for outdoor use.
- Designed to meet requirements of the DDA (Disability Act).

Emergency Assist Alarms

Emergency Assist products comply with BSEN 60065:2002 and are supplied in kits or individual components to help build the installation you require. They can be used to help comply with BS8300, Care Standards Act, the Disability Act and the English Tourism Council's National Accessibility Scheme.

EACP4

EASSCP4

EACP4 **Four Zone Control Panel – 2 Gang**

Four zone control panel with audible and visual alert, reset button, standby LED (on mains operation) and automatic fault detection that warns of a wiring problem.

- Simple to install 2-wire connection from control panel to kit components.
- Slimline design to compliment any building/room interior.
- Plastic and stainless steel finish designs.
- 4 zone systems ideal for multi-point applications, WC's, residential homes, changing rooms and large commercial buildings.
- Continuous high dB control panel alarm with audible and visual alerts.
- Control panel fits standard BS flush 2 gang or surface mounted boxes.
- Complies with BSEN 60065: 2002.
- Designed to meet requirements of the DDA (Disability Act).

EACP4PR **Four Zone Control Panel with Battery Back-Up – 2 Gang**

Shares all the features of the EACP4 with a battery back-up facility.

- Battery back-up in the event of a power failure.
  - Typically 6 hours in standby.
  - 15 minutes in continuous alarm condition.

EASSCP4 **Four Zone (Stainless Steel Finish) Control Panel – 2 Gang**

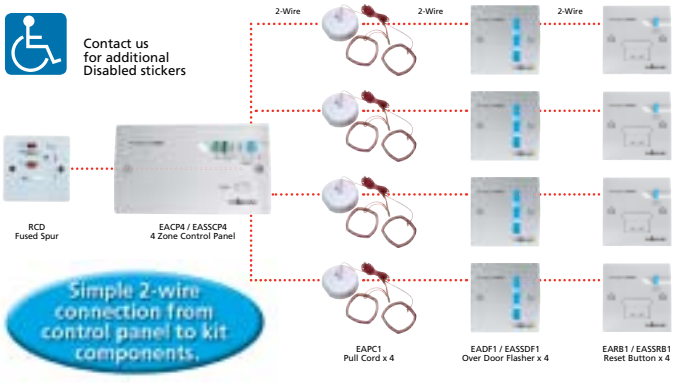
Shares all the features and benefits of the EACP4 but has a stainless steel finish.

EASSCP4PR **Four Zone (Stainless Steel Finish) Control Panel with Battery Back-Up – 2 Gang**

Shares all the features and benefits of the EACP4PR but has a stainless steel finish.

Typical Four Zone Installation

(Control panel codes EACP4/EASSCP4 with accessories)



Emergency Assist **Wall Boxes**

For wall mounting white plastic finish control panels, over-door flashers and reset buttons.

- Part No. DB2 – control panel back box for EACP1, EACP1PR, EACP4 & EACP4PR.
- Part No. SB2 – reset button back box for EARB1 (also suitable for EAAB1 emergency alarm button).
- Part No. SB1 – over-door flasher back box for EADF1.

RCD01W/RCD02WL

RCD03M/RCD04ML

RCD05W/RCD06WL

RCD01W **RCD Single White Socket**

Single socket RCD circuit breaker and simply replaces an existing double socket outlet. The contacts break when power supply is temporarily lost.

- Protects appliances from possible fire hazard.
- Manual reset.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Trips out when the power supply is temporarily lost. A safety must for machine tool applications.
- Test button for safety checks.
- Still protects with lost neutral.
- Still protects with pulsating DC earth fault currents.
- Complies with BS7288 and BS1363.

RCD02WL **RCD Single White Latching Socket**

Shares all the features and benefits of the RCD01W but it will **remain latched if the supply is temporarily lost, allowing continuous operation.**

RCD03M **RCD Single Metal Socket**

Shares all the features and benefits of the RCD01W and is a single socket metal RCD circuit breaker. Its strong metal construction is ideal for use in factories and other industrial environments where protection against shock and fire hazard is essential.

- Supplied with a 40mm BS metal surface wall box.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Trips out when the power supply is temporarily lost.
- Still protects with lost neutral.
- Still protects with pulsating DC earth fault currents.
- Complies with BS7288 and BS1363.

RCD04ML **RCD Single Metal Latching Socket**

Shares the same specifications as the RCD03M but it will **remain latched if the supply is temporarily lost.**

RCD05W **RCD Double White Socket**

Double socket RCD circuit breaker shares all the features and benefits of the RCD01W but provides two switched socket outlets.

- Provides two protected switched socket outlets for convenience and extra safety.

RCD06WL **RCD Double White Latching Socket**

Shares all the features and benefits of the RCD05W with the addition of latching (power is immediately restored to the appliance/equipment at the end of a power failure) and replaces an existing double socket.

- Remains latched when the power supply is temporarily lost.

3 Year Guarantee

Goto

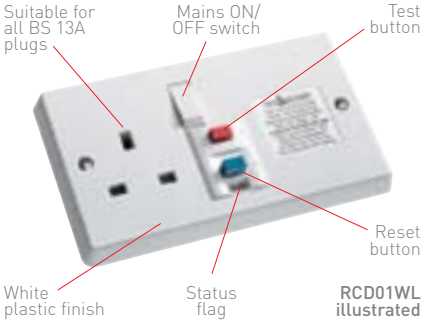
See page 82 for Techspecs.

RCD Protection Sockets

A comprehensive range of RCD socket outlets, designed to provide additional protection against the risks of electrocution and fire hazards.

Fully conforming to BS7288 and BS1363, they are available in 'latching' versions (suffix L) or in 'non-latching' versions.

Main Product Features



RCD01WL illustrated

RCD07M/RCD08ML

RCD12WL

RCD10WL

RCD07M **RCD Double Metal Socket**

Shares all the features and benefits of the RCD03M but provides two switched socket outlets.

- Supplied with a 40mm BS metal surface wall box.
- Provides two protected switched socket outlets for convenience and extra safety.

RCD08ML **RCD Double Metal Latching Socket**

Shares the same specifications as the RCD07M but is latching (power is immediately restored to the appliance/equipment at the end of a power failure).

- Remains latched when the power supply is temporarily lost.

RCD12WL **RCD Single White Latching Socket**

Single gang RCD circuit breaker. Simply replaces an existing single socket outlet and is latching (it will remain latched if the supply is temporarily lost, allowing continuous operation).

- Eliminates the need for plug in circuit breakers.
- Protects appliances from possible fire hazard.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Contacts remain latched when power supply is temporarily lost.
- Test button for safety checks.
- Still protects with lost neutral.
- Still protects with pulsating DC earth fault currents.
- Complies with BS7288 and BS1363.
- Switched for convenience & extra safety.
- Essential for applications like freezers.

RCD10WL **RCD White Fused Connection Unit**

RCD Fused Connection Unit for additional protection against electric shocks and fire risk. The unit will remain latched if the power supply is tripped.

- Provides additional protection against the dangers of electrocution.
- Eliminates the need for plug-in residual current circuit breakers.
- Protects appliances from possible fire hazard.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Latching for continuous operation after supply interruption
- Disconnects both Live and Neutral connections leaving Earth connection intact.
- Complies with BS7288.

3 Year Guarantee

Goto

See page 83 for Techspecs.

Skeleton RCD double socket outlets designed for mounting to metal cable trunking systems and floor boxes.

RCD07SKT

RCD07SKT **RCD Double Skeleton Socket**

Shares all the features and benefits of the RCD07M.

RCD08SKT **RCD Double Skeleton Socket**

Shares all the features and benefits of the RCD08ML. Details of the aperture size can be obtained from Timeguard by contacting our Helpline on 020 8450 0515.

RCD16ML

CB008

CBP09

RCD16ML **RCD Metal Fused Connection Unit**

The RCD16ML RCD Fused Connection Unit gives additional protection against electric shocks and fire risk. The unit will remain latched if the power supply is tripped.

- Provides additional protection against the dangers of electrocution.
- Eliminates the need for plug-in residual current circuit breakers.
- Protects appliances from possible fire hazard.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Latching for continuous operation after supply interruption
- Disconnects both Live and Neutral connections leaving Earth connection intact.
- Complies with BS7288.

CB008 **Safety Breaker RCD Adaptor**

RCD plug-in adaptor detects dangerous earth leakages and automatically disconnects both live and neutral connections (double pole) leaving the earth connection intact.

- Provides additional protection from electric shocks.
- Extra fast action – trips out within 40 milliseconds (BS7071).
- Trips out when the power supply is temporarily lost. A safety must for all power tools, lawn mowers and hedge trimmers.
- Automatically disconnects both Live and Neutral connections leaving earth connection intact.

CBP09 **Safety Breaker RCD Plug**

RCD plug simply replaces a standard 13A plug to give added protection from the risk of fatal electric shocks at work, home and in the garden.

- Gives extra protection from the risk of electric shocks at home and in the garden.
- A must for all power tools, lawnmowers, hedgetrimmers etc.
- Manual reset.
- Extra fast action – trips out within 40 milliseconds (BS7071).
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Trips out when the power supply is temporarily lost. A safety must for machine tool applications.
- Still protects with lost neutral.
- Still protects with pulsating DC earth fault currents.

3 Guarantee

Goto

See page 83 for Techspecs.

RCD Protection

Timeguard continue to offer great safety RCD protection products having supplied hundreds of thousands of our RCD sockets and spurs over recent years. The ideal choice for installer applications.

TFA01W/TFP02WL

TFA03M/TFP04ML

TFA01W **RCD Single White Socket**

Single socket RCD circuit breaker simply replaces an existing single socket outlet. The contacts break when power supply is temporarily lost.

- Protects appliances from possible fire hazard.
- Manual reset.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Trips out when the power supply is temporarily lost. A safety must for machine tool applications.
- Test button for safety checks.
- Still protects with lost neutral.
- Still protects with pulsating DC earth fault currents.
- Complies with BS7288 and BS1363.

TFP02WL **RCD Single White Latching Socket**

Shares all the features and benefits of the TFA01W but it will remain latched if the supply is temporarily lost.

- Remains latched when the power supply is temporarily lost.

TFA03M **RCD Single Metal Socket**

Shares all the features and benefits of the TFA01W and is a single socket metal RCD circuit breaker. Its strong metal construction is ideal for use in factories and other industrial environments where protection against shock and fire hazard is essential.

- Supplied with a 40mm BS metal surface wall box.

TFA04ML **RCD Single Metal Latching Socket**

Shares the same specifications as the TFA03M but is latching (power is immediately restored to the appliance/ equipment at the end of a power failure).

TRIPFAST

3 Guarantee

Goto

See page 83 for Techspecs.

Tripfast Bulk Range

Timeguard's new bulk purchase range of 'Tripfast' RCD's.

Choose and order from our range of single and twin RCD socket outlets and spurs fully conforming to BS7288 and BS1363 and supplied in 6 pack display cartons.

TRIPFAST BULK RANGE

Take advantage of our amazing price deals on a range backed by Timeguard's 3 year trade guarantee.

For quantity and pricing details, contact your local area sales manager or the sales office direct number **020 8452 1112**.

Tripfast Bulk Range RCD Protection

TFA05W/TFP06WL

TFA07M/TFP08ML

TFP10WL

TFA05W **RCD Double White Socket**

Double socket RCD circuit breaker has all the features and benefits of the TFA01W but provides two switched socket outlets.

- Protects appliances from possible fire hazard.
- Manual reset.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Trips out when the power supply is temporarily lost. A safety must for machine tool applications.
- Test button for safety checks.
- Still protects with lost neutral.
- Still protects with pulsating DC earth fault currents.
- Complies with BS7288 and BS1363.

TFP06WL **RCD Double White Latching Socket**

Shares all the features and benefits of the TFA05W with the addition of latching (power is immediately restored to the appliance/equipment at the end of a power failure) and replaces an existing double socket unit.

TFA07M **RCD Double Metal Socket**

Double socket RCD metal circuit breaker has all the features and benefits of the TFA03M but provides two switched socket outlets.

- Supplied with a 40mm BS metal surface wall box.

TFP08ML **RCD Double Metal Latching Socket**

Shares the same specifications as the TFA07M but is latching (power is immediately restored to the appliance/equipment at the end of a power failure).

- Remains latched when the power supply is temporarily lost.

TFP10WL **RCD White Fused Connection Unit Socket**

RCD Fused Connection Unit gives additional protection against electric shocks and fire risk. The unit will remain latched if the power supply is tripped.

- Provides additional protection against the dangers of electrocution.
- Eliminates the need for plug-in residual current circuit breakers.
- Protects appliances from possible fire hazard.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Latching for continuous operation after supply interruption
- Disconnects both Live and Neutral connections leaving Earth connection intact.
- Test button for safety checks.
- Complies with BS7288.

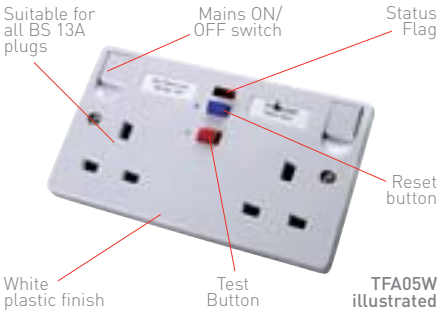
3 Guarantee

Goto

See page 83 for Techspecs.

TRIPFAST

Main Product Features



TFA05W illustrated

SPA3G SPS4G SPS8G

SPA3G **3-Way Individually Switched Plug-In Surge Protector Adaptor**

Compact individually switched surge protection from dangerous power surges and voltage spikes for up to 3 appliances. The unit has dual thermal overload protection.

- Protects against power surges and voltage spikes.
- Individual switched sockets with neon indicator
- Dissipates incoming and outgoing transients.
- Dual thermal overload protection.
- Ideal for equipment with moulded-on mains plugs.
- Operates instantaneously and does not need to be reset.

These products only protect against power line surges. Aerial inputs and BT connections are NOT protected.

3 Guarantee

Goto

See page 83 for Techspecs.

SPS4G **4-Way Surge Protected Socket Strip**

- Redirects high-energy transients on the mains supply lines harmlessly to earth and away from associated equipment and operators.
- Resets automatically.
- Dissipates incoming and outgoing transients.
- Separate mains ON and mains protection intact indication.
- Three separate mains protection devices between L-N, L-E, N-E with thermal overload protection.
- Optional wall mounting holes provided (keyhole type at rear).
- 2 metre cable length with BS1363 plug fitted.
- Tough flame retardant moulding.
- Separate neon indication to denote: (1) Surge protection is intact, (2) Supply is present.

SPS4GT **4-Way Surge Protected Socket Strip – Twin Pack**

The SPS4G 4-way surge protected socket strip is also available in a special value twin pack.

SPS6G **6-Way Surge Protected Socket Strip**

Shares all the features and benefits of the SPS4G but provides six socket outlets.

- Separate mains ON and mains protection intact indication.
- Three separate mains protection devices between L-N, L-E, N-E with thermal overload protection.
- 2 metre cable length with BS1363 plug fitted.
- Separate neon indication to denote: (1) Surge protection is intact, (2) Supply is present.

SPS8G **8-Way Surge Protected Switched Socket Strip**

Shares the same benefits as SPS6G but provides 8 socket outlets and a switch controlling all 8 outlets.

SPS10G **10-Way Surge Protected Socket Strip**

Shares the same benefits as SPS6G but provides 10 socket outlets

Surge Protection

A practical range of surge protection devices for protecting valuable, delicate plug-in electrical appliances against high-energy transients (voltage spikes).

The range includes 4, 6, 8 and 10 way plug-in surge protected socket strips and 3 way plug-in surge protected adaptor for single socket applications.

SPS10G

TGV101

TGV101 **Weathersafe Vision Single Gang 13A Switched Socket**

The safest way to take power outdoors. There is no need for running extension cables outside as it features a fully IP66 weatherproof casing with a see-through clear plastic cover and a highly visible power ON indicator. It can be safely used with the lid closed, keeping you fully aware of the power status to your lawn mower, power tool or other appliance.

- Weathersafe 'Vision' see-through clear plastic cover.
- Single gang switched socket – suitable for all 13 amp BS plugs.
- Lockable cover facility.
- Impact resistant housing.
- Easy release lid catch.
- Multiple 20mm knock outs.
- Power 'ON' neon indicator clearly visible when lid closed.
- Spacious design allowing full closure of lid with plug in position.
- Complies with BS1363.
- IP66 weatherproof rating.

TGV103

TGV103 **Weathersafe Vision Single Gang 13A Fused Spur**

Weathersafe Vision Fused Spur to control pond pumps, fountains and other permanent outdoor installations. As well as an ON/OFF switch it is fitted with a 13A fuse link and complies with BS1363.

- Weathersafe 'Vision' see-through clear plastic cover.
- Fitted with 13A fuse link.
- Lockable cover facility.
- Impact resistant housing.
- Easy release lid catch.
- Multiple 20mm knock outs.
- Power 'ON' neon indicator is clearly visible with lid closed.
- Complies with BS1363.
- IP66 weatherproof rating.

Weathersafe® VISION

Weathersafe Vision Outdoor Sockets & Switches

This innovative range of outdoor sockets and switches offer IP66 protection against the elements of dust and rain, splashing water, hose directed water and external ice formations and are therefore more than equal to UK weather conditions.

The clear closable cover gives highly visible access to the power ON indicator and switched socket status and the tough polycarbonate housing means you can expect years of good service from even the toughest environments where the occasional impact is only to be expected.

TGV104

TGV201

TGV104 **Weathersafe Vision Single Gang 13A RCD Fused Spur**

Weathersafe Vision RCD Fused Spur gives additional protection against electric shocks and fire risk. The unit will remain latched if the power supply is tripped.

- Weathersafe 'Vision' see-through clear plastic cover.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Contacts remain latched when power supply is temporarily lost.
- Lockable cover facility.
- Impact resistant housing.
- Easy release lid catch.
- Multiple 20mm knock outs.
- Test and reset buttons for safety checks.
- Status flag indicator.
- Complies with BS7288 and BS1363.
- IP66 weatherproof rating.

TGV201 **Weathersafe Vision Twin Gang 13A Switched Socket**

Weathersafe Vision Twin Gang Switched Socket shares all the features and benefits of the TGV101 plus it has two switched sockets, with individual power ON indicators.

- Weathersafe 'Vision' see-through clear plastic cover.
- Twin gang switched socket – suitable for all 13 amp BS plugs.
- Lockable cover facility.
- Impact resistant housing.
- Easy release lid catch.
- Multiple 20mm knock outs.
- Power 'ON' neon indicators clearly visible when lid closed.
- Spacious design allowing full closure of lid with plug in position.
- Complies with BS1363.
- IP66 weatherproof rating.

Clear See-Through Durable Cover

3 Guarantee

Goto

See page 84 for Techspecs.

Main Product Features

TGV201 illustrated

TGV203

TGV204/TGV205

TGV203 **Weathersafe Vision Twin Gang 13A Timer & Socket**

Combines a single 13A outlet with a 24 hour segment timer for energy saving control of outdoor features such as fountains and garden lighting.

- Weathersafe 'Vision' see-through clear plastic cover.
- 24 hour timer switches ON and OFF at preset times.
- Segment setting dial with 15 minute switching interval.
- Up to 48 ON & OFF programmes daily.
- Manual override.
- Easy release lid catch.
- Impact resistant housing.
- Spacious design allowing full closure of lid with plug in position.
- Suitable for all 13 amp BS plugs.
- Complies with BS1363.
- IP66 weatherproof rating.

TGV204 **Weathersafe Vision Twin Gang 13A Switched RCD Socket (Passive)**

Weathersafe Vision Switched RCD Socket gives additional protection against the risk of electric shocks at home and in the garden. Ideal for use with lawn mowers, hedge trimmers etc.

- Weathersafe 'Vision' see-through clear plastic cover.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Contacts remain latched when power supply is temporarily lost.
- Impact resistant housing.
- Easy release lid catch.
- Test and Reset buttons for safety checks.
- Status flag indicator.
- Spacious design allowing full closure of lid with plug in position.
- Suitable for all 13 amp BS plugs.
- Complies with BS7288 and BS1363.
- IP66 weatherproof rating.

Weathersafe® VISION

TGV205 **Weathersafe Vision Twin Gang 13A Switched RCD Socket (Active)**

Shares all the features of the TGV204 but **contacts break when power supply is temporarily lost.**

Power 'ON' neon indicator clearly visible when closed.

Lockable cover facility (illustrated with padlock in place).

Electricity Can Kill

Approximately 1000 accidents involving electric shock at work happen every year, around 30 of which are fatal.

Even non-fatal shocks can cause severe or permanent injury.

Whenever sockets and switches are installed outside or in public spaces, extra protection is called for to ensure the installation is reliable, electrically safe and secure against vandalism and theft.

The Timeguard Vision range of outdoor sockets and switches cover all three areas of concern providing all the reassurance that you need.

TGV206

TGV206 **Weathersafe Vision Twin Gang Socket & Photocell**

Photocell application for energy saving control of outdoor features. The built-in photocell enables automatic switching, ON at dusk with a selectable OFF time from 1 to 8 hours later, or OFF at dawn if no time setting is required.

- Weathersafe 'Vision' see-through clear plastic cover.
- Photocell enables dawn to timed OFF or dusk-to-dawn switching.
- Easy release lid catch.
- Impact resistant housing.
- Spacious design allowing full closure of lid with plug in position.
- Suitable for all 13 amp BS plugs.
- Complies with BS1363.
- IP66 weatherproof rating.
- Lockable cover facility.

TGVL01/TGVL03/TGVL05

TGVL01 **Weathersafe Vision Single Gang 2-Way Switch (SP)**

- 10AX (fluorescent rated).
- Backlit neon illuminates switch for dark areas.
- Complies with BSEN60669.
- Multiple 20mm knock outs.
- IP66 weatherproof rating.

TGVL03 **Weathersafe Vision Single Gang Bell Push Switch (SP)**

- 10AX (fluorescent rated).

TGVL02

TGVL02 **Weathersafe Vision Twin Gang 2-Way Switch (SP)**

- 10AX (fluorescent rated).
- Backlit neon illuminates switch for dark areas.
- Complies with BSEN60669.
- Multiple 20mm knock outs.
- IP66 weatherproof rating.

TGVL05 **Weathersafe Vision Single Gang 2-Way Switch (DP)**

- 20AX (fluorescent rated).

3 Guarantee

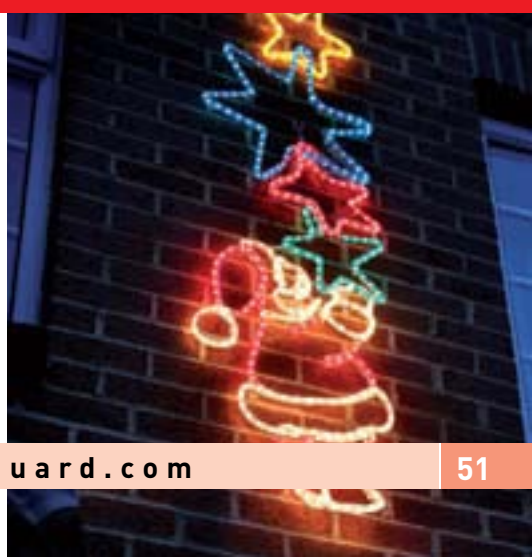
Goto

See page 84 for Techspecs.

Weathersafe® VISION

Main Product Features

TGVL01 illustrated



WP201

WP201 **Twin Gang Switched Socket**

Twin gang switched socket in a IP66 protective housing with multiple replaceable cable entry knock-outs. Suitable for all BS 13amp plugs.

- 13 amp twin gang switched.
- 6 x 20mm cable entries.
- Earth terminal and loop terminal in back box.
- Complies with BS1363.
- IP66 weatherproof rating.
- Impact resistant housing.
- Locking boss feature.

WP202 **Twin Gang Isolated Switched Socket** SIMPS

Shares all the features and benefits of the WP201 plus a mains isolator switch to isolate the power supply to the socket before the lid can be opened.

- Mains isolator switch to isolate supply before lid can be opened.

WP203

WP203 **Twin Gang Isolated Timer & Socket** SIMPS

Combines a single 13A outlet with a 24 hour segment timer for energy saving control of outdoor features such as fountains and garden lighting.

- Switches ON and OFF at preset times.
- Easy to use captive segment dial.
- 15 minute switching interval which can be increased in 15 minute steps.
- Manual override.
- Up to 48 ON & OFF programmes daily.
- Earth terminal and loop terminal in back box.
- Complies with BS1363.
- Suitable for all BS 13 amp plugs.
- IP66 weatherproof rating.
- Mains isolator switch to isolate supply before lid can be opened.

3 Guarantee

Goto
See page 84
for Techspecs.

WP204/WP205

WP204 **Twin Gang RCD Latching Socket**

RCD latching socket gives additional protection against the risk of electric shocks at home and in the garden. Ideal for use with lawn mowers, hedge trimmers etc.

- Protects appliances from possible fire hazard.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Contacts remain latched when power supply is temporarily lost.
- Test button for safety checks.
- Still protects with lost neutral.
- Still protects with pulsating DC earth fault currents.
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Complies with BS7288 and BS1363.
- Earth terminal and loop terminal in back box.

WP205 **Twin Gang RCD Socket**

Shares all the features of the WP204 except **the contacts break when power supply is temporarily lost.**

Weathersafe Outdoor Power

Timeguard insisted that unique safety features were built-in when designing Timeguard Weathersafe® range of sockets. The result is a unique mains isolation system switch SIMPS which isolates the power supply before the lid can be opened.

WP202 Illustrated

WP101

WP101 **Single Gang Switched Socket**

- 13 amp single gang switched socket.
- 4 x 20mm cable entries.
- Earth terminal and loop terminal in back box.
- Complies with BS1363.
- IP66 weatherproof rating.
- Impact resistant housing.
- Locking boss feature.

WP102 **Single Gang Isolated Switched Socket**

Shares the features and benefits of the WP101 plus it has a mains isolator switch that switches off the supply before opening the lid.

- Mains isolator switch ensures supply isolation before opening lid.

WP103

WP103 **Single Gang DP Fused Spur Unit**

Fused Spur Unit ideal to control pond pumps, fountains and other permanent outdoor installations. As well as an ON/OFF switch it is fitted with a 13A fuse link and complies to BS1363.

- 13 amp DP single gang switched fuse.
- 4 x 20mm cable entries.
- Fitted with 13A fuse link.
- Earth terminal in back box.
- Complies with BS1363.
- IP66 weatherproof rating.
- Impact resistant housing.
- Locking boss feature.

WP104

WP104 **Single Gang RCD Fused Connection Unit**

RCD Fused Connection Unit gives additional protection against electric shocks and fire risk. The unit will remain latched if the power supply is tripped.

- 4 x 20mm cable entries.
- Earth terminal and loop terminal in back box.
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Test button for safety checks.
- Complies with BS7288 and BS1363.
- Contacts remain latched when power supply is temporarily lost.
- IP66 weatherproof rating.
- Impact resistant housing.
- Locking boss feature.

Goto
See page 85 for Techspecs.

Main Product Features

WP202 illustrated

WP105

WP105 **Single Gang TR 610 top DIN Timer**

Shares all the benefits and features of the Theben TR 610 top 24 hour/7 day single channel 16A timeswitch (see page 13) incorporated into a Weathersafe IP66 single gang housing.

- Enclosed 24 hour/7 day single channel (2 module size) 16(10)A digital timeswitch.
- Text Oriented Programming.
- 14 ON/OFF programmes per week.
- ON/OFF times may be repeated over a number of days without using extra memory locations.
- Automatic summer/winter changeover.
- Integral Lithium cell power reserve with 4 years life.
- Manual override to next programme change and permanent ON/OFF switching.
- Earth terminal and loop terminal in back box.
- Complies with BSEN60730.
- Impact resistant housing.
- Locking boss feature.

WP106

WP106 **Single Gang SELEKTA 170 top DIN Solar Timer**

Shares all the benefits and features of the Theben SELEKTA 170 top 16A DIN rail solar timeswitch (see page 13) incorporated into a Weathersafe IP66 single gang housing.

- Enclosed solar timeswitch.
- Precise astronomic calculation of sunrise and sunset times by entering date, time and location coordinates (latitude/longitude or country/city).
- Lights are switched ON and OFF according to sunrise and sunset times and can be shifted 120 minutes from these in either direction.
- Factory set time and date.
- 10 years battery reserve.
- Energy saving night switching.
- Daily switching times are presented graphically on the LCD by a bar chart.
- PIN encoding for security.
- Manual override and permanent switching.
- Automatic summer/winter changeover.
- Switching times backed up by EEPROM and cannot be lost.

WP401

WP401 **Outdoor Multi-Connector Box**

Comes complete with a 4 way, 13 amp socket strip providing the ideal solution for outdoor plug-in power. Ideal for transformer linked garden lighting, fountain pumps, pool filters etc.

- Tough and durable housing.
- 4 gang 13A socket strip included (cable and plug not supplied).
- 1 x 20mm cable knock out (mains into socket strip).
- Up to 5 x cable seal outlets (to appliances).
- IP65 weatherproof rating.
- Keyhole slot for temporary locating and in situ alignment.
- Size: 335mm (H) x 220mm (W) x 107mm (D)

3 Year Guarantee

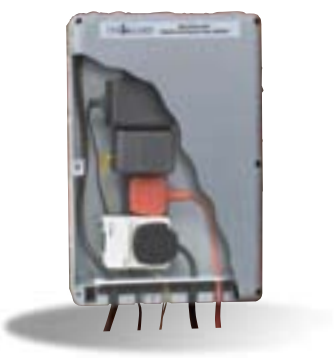
Goto

See page 84 for Techspecs.

Outdoor Multi-Connector Boxes

Timeguard's WP401 Outdoor Multi-Connector Box comes complete with a 4 way, 13A socket strip providing the ideal solution for outdoor plug-in power. Ideal for transformer linked garden lighting, fountain pumps, pool filters etc.

The new WPL02 Outdoor Power Connect-2 Mini Box shares its features and benefits in a compact 2-way 13A socket strip size.



WP401 (sectioned showing typical set-up)

WPM02

WPM02 **Outdoor Power Connect-2 Mini Box**

This compact 2 way mini-box is an ideal addition to the larger WP401. Using the Timeguard ETU11/17 timer it is ideal for garden and festive outdoor lighting. It has a tough durable housing and IP66 weatherproof rating.

- Tough and durable housing.
- 2 gang, 13A socket strip included (cable and plug not supplied).
- Multiple appliance cable outlets.
- Spacious design suitable for all 13 amp BS plugs and selective timers.
- Ideal for transformer linked garden lighting and other outdoor appliances.
- IP66 weatherproof rating.
- Keyhole slot for temporary locating and in situ alignment.
- Size: 230mm (H) x 156mm (W) x 107mm (D)

WPL01/WPL03/WPL04

WPL01 **Twin Gang Isolated Timer & Socket**

- 10 amp (fluorescent rated) 1 gang SP 2-way.
- 4 x 20mm cable entries.
- Earth terminal and loop terminal in back box.
- Complies with BS3676.
- IP66 to BSEN 60529.
- Impact resistant housing.

WPL03 **Single Gang Switch – Bell Push**

- 10 amp (fluorescent rated) 1 gang SP 2-way.
- Push to make or push to break bell.

WPL02

WPL02 **Twin Gang 2 Way Switch (SP)**

- 10 amp (fluorescent rated) 2 gang SP 2-way.
- 4 x 20mm cable entries.
- Earth terminal and loop terminal in back box.
- Complies with BS3676.
- IP66 to BSEN 60529.
- Impact resistant housing.

WPL04 **Single Gang DP Switch**

- 10 amp (fluorescent rated) 1 gang SP 2-way.

3 Year Guarantee

Goto

See page 85 for Techspecs.

Product Features

WPM02 illustrated showing typical set-up

TPS101

TPS101 **Outdoor Single Gang Socket**

Single gang IP55 outdoor socket with spring back socket lid cover. Ideal for most outdoor power needs including power for deck areas, power tools, electric BBQs, lawnmowers and strimmers.

- 13 amp single gang socket.
- 5 x 20mm knock out cable entries (bottom entry supplied with cut to size grommet).
- 2 x earth terminals in back box.
- Complies with BS1363.
- IP55 weatherproof rating (when lid closed).
- Impact resistant housing.
- Spring back socket lid cover.
- Suitable for all BS 13 amp plugs.

TPS201

TPS201 **Outdoor Twin Gang Socket**

Shares all the features and benefits of the TPS101 plus another 13A socket.

- 13 amp twin gang socket.
- 8 x 20mm knock-out cable entries (bottom 2 entries supplied with cut to size grommet).
- 2 x earth terminals in back box.
- Complies with BS1363.
- IP55 weatherproof rating (when lid closed).
- Impact resistant housing.
- Spring back socket lid covers.
- Suitable for all BS 13 amp plugs.

TPS203

TPS203 **Outdoor Twin Gang Combined 13A Socket & 20A DP Switch**

Dual purpose 13A socket outlet and separate 20A DP switch for control of lights, pond pumps, fountains and other permanent features.

- 13 amp single gang socket.
- 20AX (fluorescent rated) single gang DP switch.
- 8 x 20mm knock-out cable entries (bottom entry supplied with cut to size grommet).
- 2 x earth terminals in back box.
- Complies with BS1363 & EN60669.
- IP55 weatherproof rating when lid closed.
- Impact resistant housing.
- Spring back socket lid cover.
- Suitable for all BS 13 amp plugs.

POWERSEAL OUTDOOR POWER SUPPLY

3 Year Guarantee

Goto

See page 85 for Techspecs.

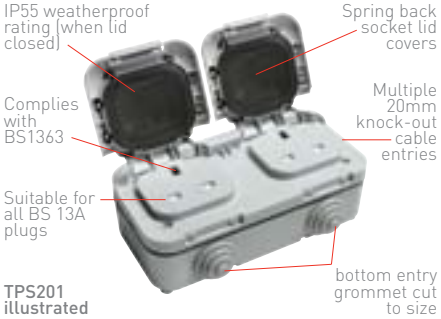
Powerseal Outdoor Power

A weatherproof range of sockets and switches ideally suited to meet your outdoor power needs.

This range includes single and twin gang sockets to IP55.

The twin socket has individual covers to protect the second socket when not in use.

Main Product Features



TPS201 illustrated

TPS204

TPS204 **Outdoor RCD Socket**

Single RCD socket outlet in a twin gang IP55 housing. Provides additional protection from electric shocks in an outdoor environment. Contacts break when power supply is temporarily lost and unit has to be reset.

- 13 amp single RCD socket in twin gang housing.
- 8 x 20mm knock-out cable entries (bottom 2 entries supplied with cut to size grommet).
- 2 x earth terminals in back box.
- Extra fast action – trips out within 40 milliseconds (BS7288).
- Contacts break when power supply is temporarily lost.
- Test button for safety checks.
- Still protects with lost neutral.
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Complies with BS7288 and BS1363.
- IP55 weatherproof rating (when lid closed).
- Spring back lid covers.
- Suitable for all BS 13 amp plugs.

TPSL01/TPSL03/TPSL04

TPSL01 **Outdoor Single Gang Switch**

- 10AX (fluorescent rated) single gang SP 2-way.
- 5 x 20mm cable entries (bottom entry supplied with cut to size grommet).
- 2 x earth terminals in back box.
- Complies with EN60669.
- IP54 weatherproof rating.
- Impact resistant housing.

TPSL03 **Outdoor Single Gang Bell Push**

- 10AX (fluorescent rated) single gang SP 1-way.
- Push to make bell.

TPSL02

TPSL02 **Outdoor Twin Gang Switch**

- 10AX (fluorescent rated) twin gang SP 2-way (common live).
- 5 x 20mm cable entries (bottom entry supplied with cut to size grommet).
- 2 x earth terminals in back box.
- Complies with EN60669.
- IP54 weatherproof rating.
- Impact resistant housing.

TPSL04 **Outdoor Single Gang 20A DP Switch**

- 20AX (fluorescent rated) single gang DP switch.
- 5 x 20mm cable entries (bottom entry supplied with cut to size grommet).
- 2 x earth terminals in back box.
- Complies with EN60669.
- IP54 weatherproof rating.
- Impact resistant housing.

TPS2KIT

TPS2KIT **Safety Outdoor IP55 Twin 13A Socket Kit with Tripfast RCD Plug**

- Extra Tripfast action for maximum protection to the user – trips out within 40ms (BS7071).
- Kit contains:
  - Twin gang 13A Powerseal IP55 outdoor socket.
  - Safety Breaker RCD plug.
  - 3 metres of 13A cable with cable gland.

DCA **Audio Door Entry Systems**

DCA1

DCA2

DCA1 **Single Channel, Audio Door Phone and Intercom**

Single channel audio door phone and intercom system. The modern stylish design incorporates a high clarity microphone and speaker for clear communication. It is ideal for single point access into the home or business area and for restricted areas that require security clearance.

- Outdoor intercom unit including integral microphone and speaker, call button and name plate.
- Indoor phone intercom handset incorporating door open button and ringtone volume switch.
- Door entry security for the home and business.
- Control of main entry points into building or restricted entry areas requiring security clearance.
- Stylish modern design.
- Simple 2-wire connection for sound and door opening.
- Illuminated name plate.
- High clarity microphone and speaker for clear communication.
- Ringtone volume switch.
- AC-DC power adaptor.
- 10 metres connecting cable.
- Concealed fixing screws.

DCA2 **Twin Channel, Audio Door Phone and Intercom**

Twin channel audio door phone and intercom system. It is ideal for either home or business use controlling 2 main access points or restricted areas that require security clearance.

- Outdoor twin call intercom unit including integral microphone and speaker, call buttons and name plates.
- 2 x Indoor phone intercom handsets incorporating door open button and ringtone volume switch.
- Simple 2-wire connection for sound and door opening.
- Illuminated name plates.
- High clarity microphone and speaker for clear communication.
- Ringtone volume switch.
- 2 x AC-DC power adaptor.
- 2 x 10 metres connecting cable.

For optional compatible door release – Part No. DCLR.

3 Guarantee

DOORCOM

Goto

See page 86 for Techspecs.

Doorcom Audio & Video Door Entry Systems

Timeguard have introduced an extensive range of Audio and Video Door Entry Systems.

There are three main systems to choose from each designed to meet your own particular security requirements whether at home or on business premises, giving complete control of main entry points into the building or restricted entry areas requiring security clearance.

The systems are all manufactured to a stylish modern design and include the latest in audio and video technology giving the highest clarity in sound and vision.

DCC **Video Door Entry Systems**

DCC1

DCC2

DCC1 **Single Channel, Black and White Video Door Phone and Intercom**

Single channel black and white video door phone and intercom system. The modern stylish design incorporates a high clarity microphone and speaker for clear communication. It is ideal for single point access into the home or business area and for restricted areas that require security clearance.

- CMOS camera outdoor intercom unit including integral microphone and speaker, call button and name plate.
- Indoor black and white phone monitor incorporating ON/OFF, door open, volume, brightness and contrast controls.
- CMOS camera provides high quality images.
- High clarity microphone and speaker for clear communication.
- Infra-red LED illumination – enhances image after dark.
- Simple 4-wire connection for sound, vision and door opening.
- 4" (102mm) black and white monitor with power screen saver.
- Illuminated name plate.
- Contrast control.
- Volume and brightness controls
- Monitor can be manually switched on for monitoring function.
- AC-DC power adaptors.
- Wall mounting frame.
- 10 metres connecting cable.

DCC2 **Single Channel, Colour Video Door Phone and Intercom**

Single channel colour video door phone and intercom system. It is ideal for either home or business use giving complete control of main entry points or restricted areas that require security clearance. The modern stylish design incorporates a high clarity microphone and speaker for clear communication giving total control over who enters the building.

- CMOS camera outdoor intercom unit including integral microphone and speaker, call button and name plate.
- Indoor colour phone monitor incorporating ON/OFF, door open, volume, brightness and colour controls.
- CMOS camera provides high quality images.
- High clarity microphone and speaker for clear communication.
- Infra-red LED illumination – enhances image after dark.
- Simple 4-wire connection for sound, vision and door opening.
- 4" (102mm) colour monitor with power screen saver.
- Illuminated name plate.
- Colour control.
- Volume and brightness controls
- Monitor can be manually switched on for monitoring function.
- AC-DC power adaptors.
- Wall mounting frame.
- 10 metres connecting cable.

For optional compatible door release – Part No. DCLR.

Note: for DCC1/DCC2 – AC-DC power adaptor is required for use with the DCLR door release – Part No. DCADAP.

Main Product Features

DCA1 illustrated

Main Product Features

DCC2 illustrated

DCC **Video Door Entry Systems**

DCC3

DCC4

DCC3 **Single Channel, Black and White Video Door Phone and Intercom**

Single channel black and white video door phone and intercom system. The modern stylish design incorporates a high clarity microphone and speaker for clear communication. It is ideal for single point access into the home or business area and for restricted areas that require security clearance.

- CMOS camera outdoor intercom unit including integral microphone and speaker, call button and name plate.
- Indoor black and white phone monitor, incorporating ON/OFF, door open, brightness and volume controls.
- CMOS camera provides high quality images.
- High clarity microphone and speaker for clear communication.
- Visible LED illumination – enhances image after dark.
- Simple 2-wire connection for sound, vision and door opening.
- 4" (102mm) black and white monitor with power screen saver.
- Illuminated name plate.
- Brightness and volume controls.
- Plug-in mains connection.
- Monitor can be manually switched on for monitoring function.
- Wall mounting frame.
- 10 metres connecting cable.

For optional compatible door release – Part No. DCLR.

DCC4 **Twin Channel, Black and White Video Door Phone and Intercom**

Twin channel black and white video door phone and intercom system. It is ideal for either home or business use controlling
2 main access points or restricted areas that require security clearance.

- CMOS camera outdoor intercom unit including integral microphone and speaker, call buttons and name plates.
- 2 x black and white phone monitors, incorporating ON/OFF, door open, brightness and volume controls.
- CMOS camera provides high quality images.
- High clarity microphone and speaker for clear communication.
- Visible LED illumination – enhances image after dark.
- Simple 2-wire connection for sound, vision and door opening.
- 4" (102mm) black and white monitor with power screen saver.
- Illuminated name plates.
- Brightness and volume controls.
- Plug-in mains connection.
- Monitor can be manually switched on for monitoring function.
- 2 x 10 metres connecting cable.

DOORCOM

Main Product Features

DCC3 illustrated

DCEX **Executive Audio Door Entry Systems**

DCEX1

DCEX2

DCEX1 **Single Channel, Hands Free Audio Door Phone and Intercom**

Single channel hands free audio door phone and intercom system. The modern stylish design incorporates a high clarity microphone and speaker for clear communication. It is ideal for either home or business use giving complete control of main entry points or restricted areas that require security clearance.

- Outdoor intercom unit including integral microphone and speaker, call button and name plate.
- Indoor intercom unit, incorporating door open button, ringtone volume adjustable to 2 levels.
- Door entry security for the home and business.
- Control of main entry points into building or restricted entry areas requiring security clearance.
- Stylish modern design.
- Simple 2-wire connection for sound and door opening.
- Illuminated name plate.
- High clarity microphone and speaker for clear communication.
- Ringtone volume adjustable to 2 levels.
- Ringtone select (choice of 3).
- AC-DC power adaptor.
- 10 metres connecting cable.
- Concealed fixing screws.

DCEX2 **Twin Channel, Hands Free Audio Door Phone and Intercom**

Twin channel hands free audio door phone and intercom system. It is ideal for either home or business use controlling 2 main access points or restricted areas that require security clearance.

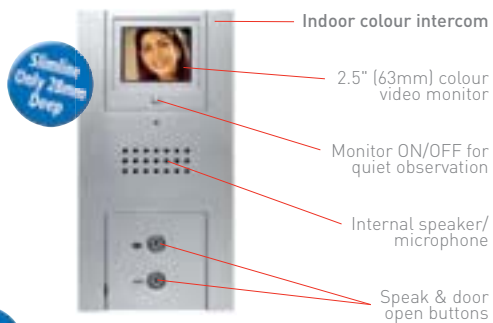
- Outdoor intercom unit including integral microphone and speaker, call buttons and name plates.
- 2 x Indoor intercom units, incorporating door open button, ringtone volume adjustable to 2 levels.
- Simple 2-wire connection for sound and door opening.
- Illuminated name plates.
- High clarity microphone and speaker for clear communication.
- Ringtone volume adjustable to 2 levels.
- Ringtone select (choice of 3).
- 2 x AC-DC power adaptors.
- 2 x 10 metres connecting cable.

For optional compatible door release – Part No. DCLR.

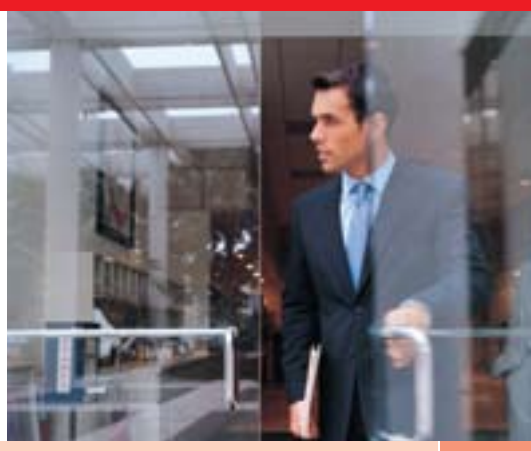
3 Guarantee

Goto
See page 86 for Techspecs.

Main Product Features



DCEX3 illustrated



DCEX **Executive Video Door Entry Systems**

DCEX3

DCEX4

DCEX3 **Single Channel, Hands Free Colour Video Door Phone and Intercom**

Single channel hands free colour door phone and intercom system. The modern stylish design incorporates a CMOS colour camera producing the highest quality pictures and a high quality microphone and speaker for clear communication. It is ideal for either home or business use giving complete control of main entry points or restricted areas that require security clearance.

- CMOS camera outdoor intercom unit including integral microphone and speaker, call button and name plate.
- Indoor colour video intercom, incorporating ON/OFF, door open, ringtone select (choice of 3), ringtone volume adjust controls and AC-DC power adaptor.
- CMOS camera provides high quality colour images.
- High clarity microphone and speaker for clear communication.
- Visible LED illumination – enhances image after dark.
- Simple 2-wire connection for sound, vision and door opening.
- 2.5" (63mm) colour monitor with power screen saver.
- Illuminated name plate.
- Choice of 3 different ringtones.
- Ringtone volume adjust.
- Comes complete with AC-DC power adaptor and cable.
- Monitor can be manually switched on for quiet observation.
- 10 metres connecting cable.
- Concealed fixing screws.

DCEX4 **Twin Channel, Hands Free Colour Video Door Phone and Intercom**

Twin channel hands free colour door phone and intercom system. It is ideal for either home or business use controlling 2 main access points or restricted areas that require security clearance.

- CMOS camera outdoor intercom unit including integral microphone and speaker, call buttons and name plates.
- 2 x Indoor colour video intercoms, incorporating ON/OFF, door open, ringtone select and ringtone volume adjust controls and 2 x AC-DC power adaptors.
- CMOS camera provides high quality colour images.
- High clarity microphone and speaker for clear communication.
- Visible LED illumination – enhances image after dark.
- Simple 2-wire connection for sound, vision and door opening.
- 2.5" (63mm) colour monitor with power screen saver.
- Comes complete with AC-DC power adaptors and cable.
- Monitor can be manually switched on for quiet observation.
- 2 x 10 metres connecting cable.

For optional compatible door release – Part No. DCLR.

3 Year Guarantee

Goto

See page 86 for Techspecs.

DCLR **Door Release**

Optional electronic door release is compatible with all Timeguard's Door Entry Systems.

DCLR

DCADAP **Power Adaptor**

Additional AC-DC Power Adapter required for DCC1 and DCC2 Door Entry Systems.

DCEXH1

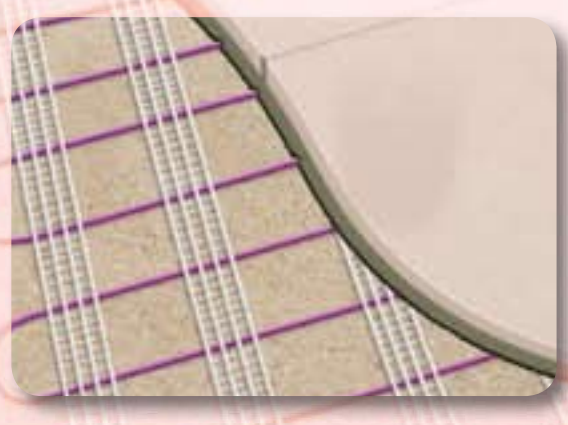
DCEXH2

DCEXH **Rainhoods**

Timeguard produce optional Rainhood covers for the DCEX series and DCC3/4 systems.

- Model DCEXH1 is suitable for systems: DCEX1, DCEX2.
- Model DCEXH2 is suitable for systems: DCEX3, DCEX4, DCC3, DCC4.

Climate section



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Underfloor Heating Systems

A choice of four different underfloor heating systems are available in the range, each offering a variety of kit sizes, designed for varying room and floor installations, enabling underfloor heating to be laid simply and efficiently.

Cable System

Three Cable kits are available which are best suited for the smaller installation where existing floor features, e.g. basin pedestals, protrude into the floor space restricting cable mat laying. Cable kits are available in 24, 32 or 64 metre reel lengths and are supplied with fixing tape to assist with floor laying.

Mat System

Ideal for both small and larger installations where unobstructed floor space enables the simple un-reeling of the Mat onto the floor surface. Six sizes of Mat are available from a 1.0m² area coverage up to a 5.0m² area coverage. The heating cable is secured in the mat in a uniform pattern by the fibre glass woven webbing which incorporates self adhesive fixing strips to assist with floor laying.

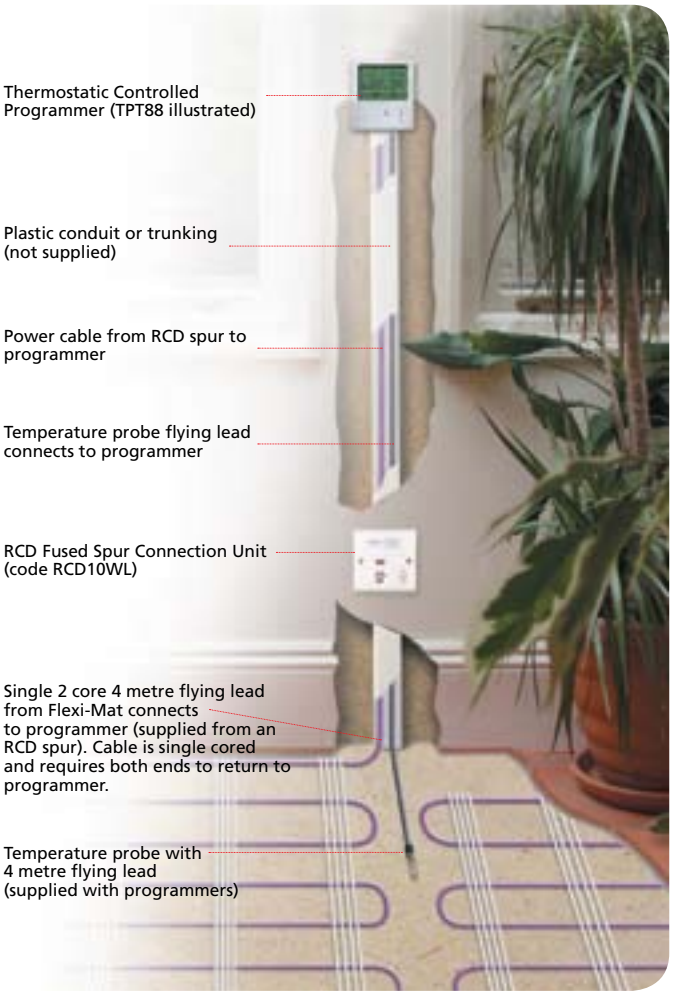
Flexi-Mat System

The simplest and most convenient matting system. Flexi-Mat is similar to the fixed mat system but has the added advantage of being flexible. The heating cable is secured in the Flexi-Mat in a uniform pattern by a unique flexible woven webbing which will stretch up to 50% in length to accommodate different W/m² requirements and allows for installation adjustments. Six Flexi-Mat system sizes are available which are supplied with fixings to assist with floor laying.

Flexi-Fast Mat System

Timeguard have now extended the range to include a 200W/m² rated Flexi-Fast Mat designed for inherently cold rooms that require a fast response time to meet temperature settings. Available in four mat sizes: 0.4m wide x 4m, 10m, 15m and 25 metre lengths.

Typical Flexi-Mat system installation



Important!

To minimise heat loss and running costs, Timeguard recommend using an insulating backer board on top of any un-insulated concrete floor.

Thermolay UFH Benefits

- For installation under tiles and stone slabs (other floor coverings can generally be used but a thicker covering of screed only over the mat or cable is required (consult the helpline on 020 8450 0515).
- Ideal for conservatories, house extensions, room conversions, bathrooms and kitchens.
- Warm to touch for a comfortable room environment.
- Variety of system kits available for all types of installation.
- Mat or cable bonds with floor for lasting positioning.
- No multiple wire connections – single 2 core 4 metre flying lead from mat system connects to programmer (cable requires both ends connected).
- Mat heating cables secured in a uniform pattern for time saving installations, eliminating hot and cold spots.
- Flexi-Mat systems give up to 50% extra stretch to accommodate different W/m² requirements and allows for installation adjustments.

Only when installed with a Timeguard Heating Controller.

See page 87 for Techspecs.

UFHC Cable Kits

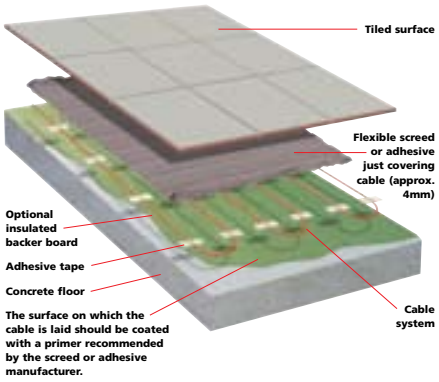
Unlike the mat systems the cable system requires both ends of the cable to return to the controller.

Thermolay Cable System

There are three Cable kits available, which are best suited for the smaller installation where existing floor features, e.g. basin pedestals, protrude into the floor space restricting cable mat laying.

The heating cable is simply arranged and fastened to the prepared concrete or ply boarded floor with the fixing tape provided, then just covered with screed or adhesive and finally the finished floor covering.

Main Product features



Thermolay Cable Kits

UFHC24 24m cable length – (Approx area coverage 1.2m² to 2m² (200W to 120W per m²).

UFHC32 32m cable length – (Approx area coverage 1.6m² to 2.67m² (200W to 120W per m²).

UFHC64 64m cable length – (Approx area coverage 3.2m² to 5.32m² (200W to 120W per m²).

To minimise heat loss and running costs as well as ensuring the floor can reach higher temperatures in adverse conditions, Timeguard recommend using an insulating backer board on top of any un-insulated concrete floor.

For best results 120W on wooden sub-floor, 160W on concrete sub floor.

All kits come with a detailed guide (please ask for an advance copy from the helpline on 020 8450 0515) on how to install and our customer support team will be on-line to assist with your installation queries.

- Proven tough and flexible temperature probe monitors system and accurately relays floor temperature back to thermostat/controller.
- Wide range of thermostatically controlled programmers from basic ON/OFF commands to timed, daily and weekly programmes.
- Conforms to European Safety standards.
- 10 year guarantee on all Thermolay mat and cable components (not installation) including probe only when installed with a Timeguard heating controller. Three year guarantee on heating controllers and RCD fused spur connector unit.
- Flying leads on both mat or cable and temperature probe mean no installer connections are made under floor and connections are minimised.

Thermolay Mat System

Ideal for both small and larger installations where unobstructed floor space enables the simple un-reeling of the mat onto the floor surface. As the heating cable is secured in the Mat in a uniform pattern, hot and cold spots are easily avoided when installing and the pre-attached self adhesive strips make floor laying even simpler.

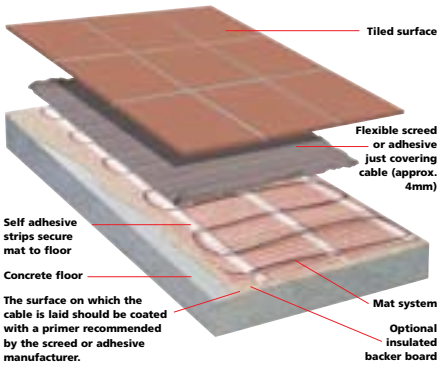
As the Mat's power source is a single ended cable, connection to the programmer (supplied via an RCD), this simplifies the installation process making the Mat system an ideal choice when planning your underfloor heating installations.

10 Year Guarantee

Only when installed with a Timeguard Heating Controller.

See page 87 for Techspecs.

Main Product features

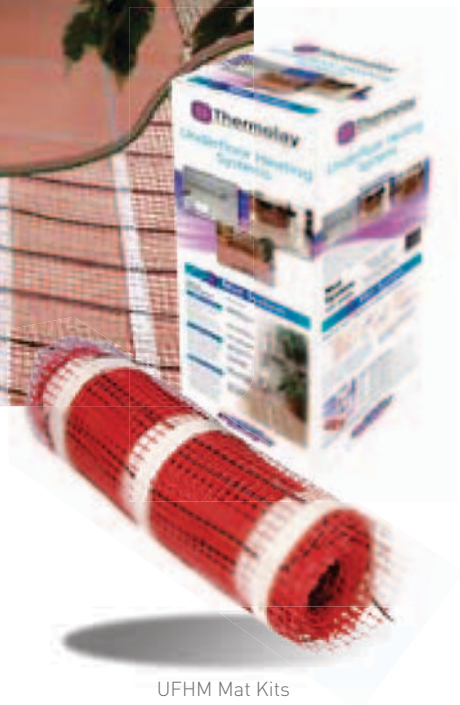


Thermolay Mat Kits

UFHM2 Rigid mat – 0.45m wide x 2.0m length = 0.9m² area coverage (160W per m²).
UFHM3 Rigid mat – 0.45m wide x 3.0m length = 1.35m² area coverage (160W per m²).
UFHM4 Rigid mat – 0.45m wide x 4.0m length = 1.8m² area coverage (160W per m²).
UFHM6 Rigid mat – 0.45m wide x 6.0m length = 2.7m² area coverage (160W per m²).
UFHM8 Rigid mat – 0.45m wide x 8.0m length = 3.6m² area coverage (160W per m²).
UFHM10 Rigid mat – 0.45m wide x 10.0m length = 4.5m² area coverage (160W per m²).

To minimise heat loss and running costs as well as ensuring the floor can reach higher temperatures in adverse conditions, Timeguard recommend using an insulating backer board on top of any un-insulated concrete floor.

All kits come with a detailed guide (please ask for an advance copy from the helpline on 020 8450 0515) on how to install and our customer support team will be on-line to assist with your installation queries.



UFHM Mat Kits

Typical Installations

Bathrooms

Warm up those cold tiled bathroom and cloakroom floors with the Thermolay range of underfloor heating systems. These easy to install practical cable systems maintain the even distribution of rising heat ensuring complete comfort and economic energy management.

Kitchens

How many times have you walked bare foot into a kitchen and had the shock of a cold tiled floor? Fitting a Thermolay underfloor heating system will warm the tiles through heated cables below the tiled surface. These maintenance free systems ensure a high level of energy utilisation.

The Flexi-Mat should never be laid under permanent furniture that mounts directly on the floor (cupboards, basin pedestals etc.), therefore we recommend that you draw up a plan of the areas where these will be before you order your requirements.

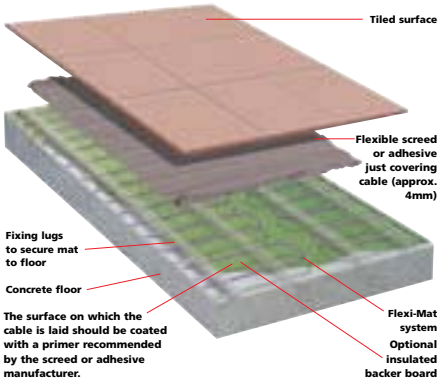
Simply secure and stretch into position for a clean and quicker floor installation.

Flexi-Mat Systems

The simplest and most convenient matting system. Flexi-Mat is similar to the fixed mat system but has the added advantage of being flexible and will stretch up to 50% in length to accommodate different W/m² requirements and allows for in-situ adjustments. With the heating cable secured to the mat in a uniform pattern, hot and cold spots are easily avoided and with the benefit of the extra stretch, makes this system the ideal kit for all room installations.

Flexi-Mats have a single cable power source which connects to the programmer (supplied from an RCD), simplifying the installation process and making this system the ideal choice for trade and DIY installers.

Main Product features



UFHFM Flexi-Mat Kits

Thermolay Flexi-Mat Kits

UFHFM25 Flexi-mat – 0.4m wide x 2.5m length = 1.0m² to 1.33m² area coverage (160W to 120W per m²).
UFHFM40 Flexi-mat – 0.4m wide x 4.0m length = 1.6m² to 2.13m² area coverage (160W to 120W per m²).
UFHFM60 Flexi-mat – 0.4m wide x 6.0m length = 2.4m² to 3.2m² area coverage (160W to 120W per m²).
UFHFM100 Flexi-mat – 0.4m wide x 10.0m length = 4.0m² to 5.3m² area coverage (160W to 120W per m²).
UFHFM150 Flexi-mat – 0.4m wide x 15.0m length = 6.0m² to 8.0m² area coverage (160W to 120W per m²).
UFHFM250 Flexi-mat – 0.4m wide x 25.0m length = 10.0m² to 13.3m² area coverage (160W to 120W per m²).

To minimise heat loss and running costs as well as ensuring the floor can reach higher temperatures in adverse conditions, Timeguard recommend using an insulating backer board on top of any un-insulated concrete floor.

All kits come with a detailed guide (please ask for an advance copy from the helpline on 020 8450 0515) on how to install and our customer support team will be on-line to assist with your installation queries.

Conservatories

Conservatories can be particularly cold in the winter months and evenings especially when the floor covering is ceramic tiles. To give your conservatory a warm welcome under foot, fit Thermolay underfloor heating systems. There are various kits to choose from according to size and preference. In addition Thermolay is a competitive alternative when comparing the economy of different heating systems.

Important!

To minimise heat loss and running costs, Timeguard recommend using an insulating backer board on top of any un-insulated concrete floor.

When planning an installation allow for a 50mm gap between heating and installation boundaries and for all mat systems allow a gap of 30mm between mat runs

Flexi-Fast Mat Systems 200W Underfloor Heating Systems

Timeguard have now extended the thermolay range to include a 200W rated Flexi-Fast Mat designed for inherent cold rooms that require a fast response time to meet temperature settings.

- Ideal for single source heating – bathrooms, kitchens, conservatories etc. (subject to meeting the insulation requirements of the current building regulations). For smaller installations also consider the Cable system.
- Helps reduce room condensation.

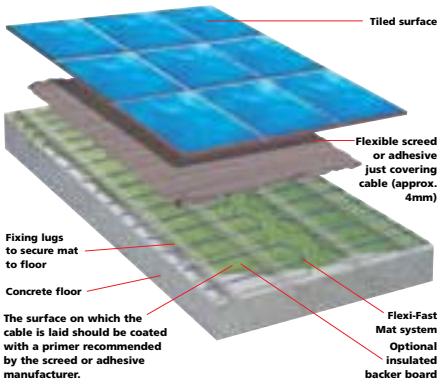
10 Guarantee

Only when installed with a Timeguard Heating Controller.

Goto

See page 87 for Techspecs.

Main Product features



Thermolay **Flexi-Fast** Mat Kits

FFM40 Flexi-Fast mat – 0.4m wide x 4.0m length = 1.6m² to 2.0m² area coverage (200W to 160W per m²).
FFM100 Flexi-Fast mat – 0.4m wide x 10.0m length = 4.0m² to 5.0m² area coverage (200W to 160W per m²).
FFM150 Flexi-Fast mat – 0.4m wide x 15.0m length = 6.0m² to 7.5m² area coverage (200W to 160W per m²).
FFM250 Flexi-Fast mat – 0.4m wide x 25.0m length = 10.0m² to 12.5m² area coverage (200W to 160W per m²).

To minimise heat loss and running costs as well as ensuring the floor can reach higher temperatures in adverse conditions, Timeguard recommend using an insulating backer board on top of any un-insulated concrete floor.

All kits come with a detailed guide (please ask for an advance copy from the helpline on 020 8450 0515) on how to install and our customer support team will be on-line to assist with your installation queries.

FFM Flexi-Fast Mat Kits

Mirror-Mat System

TMM1 **Mirror-Mat System**

Timeguard's new Mirror-Mat system ensures your bathroom mirror will stay steam free whilst bathing or showering. Simply attach to the back of the mirror with the self adhesive fixing pads provided. The Mirror Mat covers a mirror area of 45 x 50cm and is connected via a 2-core, 5 metre flying lead for connection to the mirror light circuit.

RAMSES 714 A

RAMSES 714 A **Electronic Thermostat**

An electronic thermostat with ON/OFF control and a 10° to 30°C probe temperature range.

- Single ON/OFF heating control.
- Thermostat setting range 10° to 60°C.
- System ON indication.
- Surface wall mount or flush mount via adaptor plate Part No. 907.0.212.
- 4-wire supply and load connection.
- 2-wire temperature probe connection.
- Supplied complete with a 110KΩ temperature probe.

TPT1

TPT1 **Electronic ON/OFF Thermostat**

An electronic thermostat with ON/OFF control and a 10° to 30°C temperature range.

- Single ON/OFF heating control.
- Dial temperature setting range of 10° to 30°C.
- ON/OFF indication.
- Mounts on a single gang flush or surface mount wall box min. 35mm deep.
- 3-wire supply and load connection.
- 2-wire temperature probe connection.
- Supplied complete with a 10KΩ temperature probe.

Floor Temperature Probes

All controllers come complete with a 4 metre flying lead temperature probe.

67.352.55
Floor temperature probe for TPT1/TPT44 (10KΩ).

901.4.026
Floor temperature probe for RAMSES 714 A/RAMSES 818 top/TPT88 (110KΩ).

RAMSES 818 top

RAMSES 818 top **Digital Clock Thermostat**

A digital clock thermostat with multi-programming functions.

- 24 hour and 7 day multi-functional programming.
- Text guided programming on display for easy setting.
- 2 x pre-loaded programmes, factory set with individual settings for comfort and temperature.
- 3rd programme is user programmable with 22 temperature changes available over a week.
- Automatic summer/winter changeover.
- Surface mount (backplate included allows mounting on a single gang wall box).
- Optimum start function available – heating to correct temperature at the time required.

3 Year Guarantee

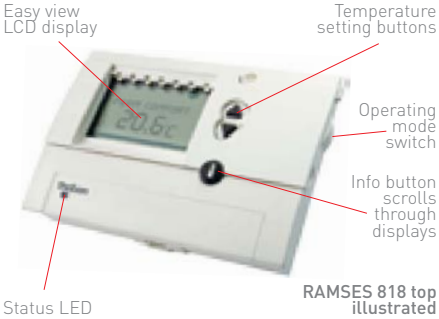
Goto
See page 88 for Techspecs.

Programmable Thermostats

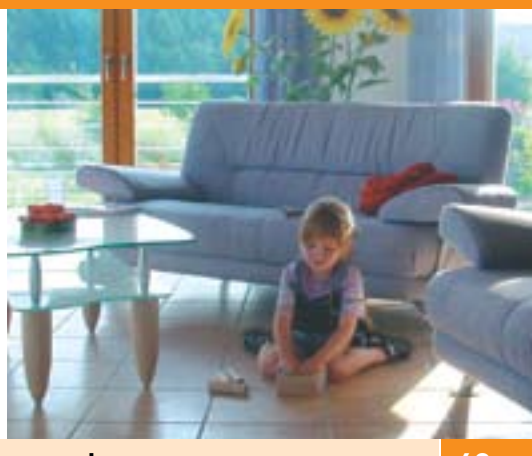
A wide range of underfloor heating controls from the contemporary dial set thermostats to the sophisticated digital clock thermostats with 24 hour and 7 day multi-functional programming.

Each thermostat comes complete with a 4 metre flying lead temperature probe which relays floor temperature back to the controller.

Main Product features



RAMSES 818 top illustrated



Thermolay UFH Controllers

TPT44

TPT44 **24 Hour Digital Clock Thermostat**

Programmable thermostat with a 24 hour clock face which controls both underfloor and room temperature.

- Simple 4 button programming.
- Clock face digital display with full programme ON/OFF times and temperature setting.
- Up to 4 ON/OFF time settings per day and night set back.
- Easy to use advance + - buttons with full display status.
- Thermostat senses room temperature and regulates floor temperature settings.
- Room temperature setting range 10–30° C.
- Floor temperature setting range 20–45° C*.
- Manual time and temperature override.
- 4 hours rechargeable back-up retains programmes in the event of a power failure.
- Supplied complete with a 10KΩ floor temperature probe.
- Mounts onto a single gang flush or surface mount wall box min. 35mm deep.
- 3-wire supply and load connection.
- 2-wire temperature probe connection.

*Not to exceed 30°C.

TPT88

TPT88 **24Hour/7 Day Multi-Programmable Thermostat**

Stylish 7 day programmable thermostat with large display screen.

- 24 hour/7 day multi-functional programming with up to 6 ON/OFF settings per day.
- User programmable with 2 temperature changes allowing you to set your own floor temperatures for different times of the day/week.
- Clear easy view display with back light.
- Full system status display information.
- Thermostat setting 10° to 30° C.
- Manual temperature override.
- 4 hours rechargeable battery back-up retains programmes in event of a power failure.
- Mounts on a single gang flush or surface mount wall box min. 35mm deep.
- Automatic summer/winter time change.
- Supplied complete with a 110KΩ temperature probe.
- 3-wire supply and load connections.
- 2-wire temperature probe connection.

RCD10WL

RCD10WL **RCD White Fused Connection Unit**

RCD Fused Connection Unit gives additional protection against electric shocks and fire risk. The unit will remain latched if the power supply is tripped and is recommended for all underfloor heating installations up to 13A loading.

- Extra fast action – trips out within 40 milliseconds (BS7288).
- Automatically disconnects both Live and Neutral connections leaving Earth connection intact.
- Latching for continuous operation after supply interruption.
- Complies with BS7288.

3 Year Guarantee

Goto
See page 88 for Techspecs.

www.thermolay.co.uk

Visit today for complete product specifications, downloadable instruction facilities, wiring schematics and the latest new product information.

We offer a next day delivery service to our stockists to help you meet the demands of your customers!
(Subject to stock availability).

Thermolay

RAMSES 701/RAMSES 705

RAMSES 701 **Room Thermostat**

Surface mounted room thermostat with a temperature dial range from 5°C to 30°C.

- 5°C to 30°C temperature range.
- 2- or 3-wire connection.
- Surface mounting or flush mounting onto a single gang wall box via adaptor plate. Part No. 907.0.480
- 10(4) at 230V~

RAMSES 705 **Room Thermostat with ON/ OFF Switch**

Shares the features and benefits of the RAMSES 701 plus an ON/OFF switch.

- Integral ON/OFF switch and system ON indication.
- 5°C to 30°C temperature range.

RAMSES 721

RAMSES 721 **Analogue Clock Thermostat**

Electronic P1 thermostat with analog clock dial for independent monitoring and control of room temperature

- Electronic P1 temperature control.
- 24 hour tappet programme dial, programmable every 5 minutes, shortest time interval 20 minutes.
- Energy saving night set back programme.
- Normal temperature adjustable from +10° C to +30° C.
- Set back temperature at approx. 5° C lower.
- 6(1)A at 230V ~
- 3- or 4-wire connection.

3 theben Guarantee

Goto

See page 88 for Techspecs.

Digital clock thermostats offering pre-set time and temperature programmes suitable for energy saving room temperature control.

Multi-programmable digital clock thermostats with pre-set and individual custom programmes with a variety of features including 24 hour and 7 day programming and full display status information.

Contemporary design surface mount room thermostats with dial temperature settings, ON/ OFF control and system ON indication.

Surface mount room thermostats with dial temperature range from 5°C to 30°C.

Analogue clock thermostats with 24 hour programming in conjunction with adjustable temperature control.

RAMSES 801 top

RAMSES 801 top **Digital Clock Thermostat - 2 Programmes**

A 24 hour/7 day digital clock thermostat with 2 pre-set time and temperature programmes and 3 temperature profiles.

- 2 pre-set programmes: P1 – Comfort temperature Mo – Fr from 6am – 10pm as well as Sa – Su from 7am – 11pm (in between lower temperature). P2 – Comfort temperature Mo – Fr from 6 – 8am and from 4 – 10pm as well as Sa – Su from 7am – 11pm (in between lower temperature).
- 3 programmable temperature levels – comfort, lower and frost protection with temperature override facility.
- Easy set up with text oriented programming on display.
- ⓘ button for room temperature check and other system programme checks.
- 6°C to 30°C temperature range.
- Automatic summer/winter changeover.
- 2 or 3 wire connection.
- Battery power supply (2x 1.5V AA batteries – supplied).
- Plug-in base included for wall mounting or flush mounting to a single gang wall box.
- Low battery power indicator on display.
- 2(1)A at 230V ~

RAMSES 811 top **Digital Clock Thermostat 3 Programmes (Battery Powered)**

Shares all the features and benefits of the RAMSES 812 top but is battery powered with low battery indication on display– 2 x 1.5V AA batteries supplied.

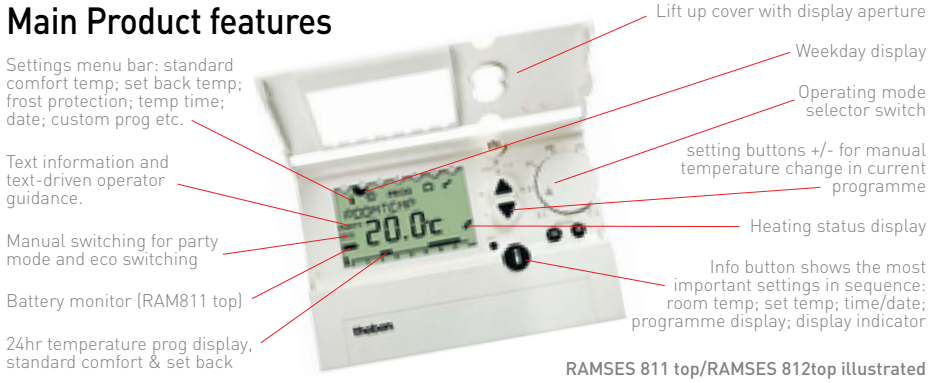
RAMSES 812 top

RAMSES 812 top **Digital Clock Thermostat - 3 Programmes**

A 24 hour/7 day digital clock thermostat with 2 pre-set time and temperature programmes, an additional custom program for individual time and temperature setting and 3 temperature profiles.

- 2 pre-set programmes: P1 – Comfort temperature Mo – Fr from 6am – 10pm as well as Sa – Su from 7am – 11pm (in between lower temperature). P2 – Comfort temperature Mo – Fr from 6 – 8am and from 4 – 10pmas well as Sa – Su from 7am – 11pm (in between lower temperature).
- P3 Custom Programme (week programme) This comfort programme can be customised to meet individual requirements (such as with different settings for Wednesday afternoons etc). 22 memory settings are available for comfort, lower and frost protection.
- 3 programmable temperature levels – comfort, lower and frost protection with temperature override facility.
- Easy set up with text oriented programming on display.
- ⓘ button for room temperature check and other system programme checks.
- 6°C to 30°C temperature range.
- Automatic summer/winter changeover.
- 3 or 4 wire connection.
- Plug-in base included for wall mounting or flush mounting to a single gang wall box.
- 230V mains supply with 5 hour rechargeable battery back-up.
- 6(1)A at 230V ~

Main Product features



RAMSES 811 top/RAMSES 812top illustrated

RAMSES 850 OT

RAMSES 850 OT **Open Therm Digital Thermostat**

The RAMSES 850 OT is a surface mounting programmable heating controller, working with an Open Therm compatible gas boiler. The unit regulates temperature by room sensing or weather compensation. As well as room heating the RAMSES 850 OT will control hot water temperature.

- 2 pre-set programmes: P1 – Comfort temperature Mo – Fr from 6am – 10pm as well as Sa – Su from 7am – 11pm (in between lower temperature). P2 – Comfort temperature Mo – Fr from 6 – 8am and from 4 – 10pm as well as Sa – Su from 7am – 11pm (in between lower temperature).
- P3 Custom Programme (week programme) This comfort programme can be customised to meet individual requirements (such as with different settings for Wednesday afternoons etc). 22 memory settings are available for comfort, lower and frost protection.
- Optional weather compensation control.
- 4 hour power reserve.
- Automatic summer/winter changeover.
- Can control radiators or 'wet' underfloor heating.
- Supply and data transfer by 2 wire Open Therm bus (extra low voltage). No mains power required.
- Heating and hot water temperature adjustable.
- Night set-back.
- Holiday setting.

RAMSES 786 OT

RAMSES 786 OT **Open Therm Analogue Thermostat**

The RAMSES 786 OT is a surface mounting heating controller, working with an Open Therm compatible gas boiler. Although the unit has traditional clock and rotary controls at its heart is a microprocessor. The unit regulates temperature by room sensing or weather compensation. As well as room heating the RAMSES 786 OT will control hot water temperature.

- 24 hour or 7 day time clock programme using tappets.
- Optional weather compensation control.
- No mains power required, data transfer and power by extra low voltage Open Therm bus.
- Can control radiators or 'wet' underfloor heating.
- 150 hours rechargeable battery back-up.
- Heating and hot water temperature adjustable.
- Night set-back.

3 theben Guarantee

Goto

See pages 88 – 89 for Techspecs.

ENERGY SAVING FROM TIMEGUARD

OpenTherm Thermostats

These products must be used with compatible condensing boilers which have the option of Open Therm control.

Open Therm is recognised as one of the most energy efficient controls for modern gas boilers. This control modulates the boiler flame giving just the right amount of heat required.

Open Therm, modulating controls for modulating boilers.

Heating Programmers

TRT038

TRT038 **7 Day Electronic Programmer – 3 Channel**

24 hour/7 day electronic programmer with 3 independent timed channels e.g. hot water and 2 separate heating zones, designed for fully pumped central heating systems using three separated 2 port zone valves.

- Separate ON/OFF/TIMED control for heating and hot water.
- 3 independently timed channels – hot water and 2 separate heating zones.
- Up to 3 ON/OFF independent programmes per channel each day, 21 ON/OFF's per week.
- Optional 12 hour AM/PM or 24 hour fully graphical back-lit display.
- Advance override to next programme setting.
- Automatic summer/winter changeover.
- Clock display pre-set with time and date.
- 1 or 2 hour boost facility.
- Shortest switching time 10 minutes.
- Holiday mode to suspend programmes.

TRT039

TRT039 **7 Day Electronic Programmer – 4 Channel**

24 hour/7 day electronic programmer with 4 independent timed channels e.g. hot water and 3 separate heating zones, designed for fully pumped central heating systems using four separated 2 port zone valves.

- Separate ON/OFF/TIMED control for heating and hot water.
- 4 independently timed channels – hot water and 3 separate heating zones.
- Up to 3 ON/OFF independent programmes per channel each day, 21 ON/OFF's per week.
- Optional 12 hour AM/PM or 24 hour fully graphical back-lit display.
- Advance override to next programme setting.
- Automatic summer/winter changeover.
- 1 or 2 hour boost facility.
- Shortest switching time 10 minutes.
- Holiday mode to suspend programmes.

AMUN 716

AMUN 716 **Air Quality Controller**

The AMUN 716 is a surface mounted CO_2 and temperature monitor. The front mounted LEDs show in simple traffic light form current levels of CO_2 monitored.

- Simple traffic light indication of CO_2 levels.
- Factory calibrated.
- 230V supply.

3 theben Guarantee

Goto

See page 89 for Techspecs.

CO_2 Control

CO_2 is the air we breathe out, and in areas such as classrooms, training rooms, offices, in fact any room, poor air quality can lead to a lack of concentration and efficiency even to people feeling ill.

Air quality is of great importance in today's modern buildings, where a balance of air quality, temperature and energy efficiency must be maintained.

The AMUN 716 gives this control.

Specifications

See page 4 for Product Information

		TS800B	TG24	TG600	TG620	TG85
Timer Mode		24 Hour	24 Hour	24 Hour	7 Day	Dusk to Dawn
Setting Type		Pin	Segment	Segment	Segment	Selector Switch
Operating Voltage	230V AC	•	•	•	•	•
Switch Rating 230V AC	13A Resistive (3kW)	•	•	•	•	•
	Inductive	5A	2A	2A	2A	2A
Operating Temperature	0 to 40°C	•	•	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•
	89/336/EEC	•	•	•	•	•
Dimensions (mm)	Height	73	75	130	130	136
	Width	73	78	70	70	68
	Depth	65	72	78	78	75

All these time controllers repeat their programmes indefinitely day after day or week after week.
Can be used with up to 100W of fluorescent or low energy lighting. Can be used with filament lighting up to 400W. Cannot be used with discharge lighting (e.g. SON and Metal Halide).

See pages 5 – 6 for Product Information

		ETU11	ETU17	ET03	TG77	TG27	ET05
Timer Mode		24 Hour	7 Day	7 Day	7 Day	7 Day	
Operating Voltage	230V AC	•	•	•	•	•	•
Switch Rating 230V AC	13A Resistive (3kW)	•	•	•	•	•	•
	Inductive	6A	6A	2A	2A	2A	2A
Operating Temperature	-10 to 40°C	•	•	•			•
Temperature Range	0°C to 35°C (Control)						•
Battery	Factory Fitted, rechargeable, 1000 hours back-up	•	•	•	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•
Dimensions (mm)	Height	81	81	105	74	125	105
	Width	60	60	60	72	58	60
	Depth	65	65	70	72	79	70

Note: ETU11/17 can be used with up to 500W of fluorescent or low energy lighting and up to a 1hp motor. Can also be used with up to 1500W of filament lighting. Cannot be used with discharge lighting, (e.g. SON and Metal Halide).
ET03/ET05/TG27/TG77 can be used with up to 400W of filament lighting and with up to 100W fluorescent/low energy lighting. Cannot be used with discharge lighting.

See pages 7 – 8 for Product Information

		CTS960	TS900B	ETU2000	ETU8000	CTU9000	TGBT4
Timer Mode		24 Hour	24 Hour	24 Hour	7 Day	24 Hour/7 Day	Boost
Setting Type		Segment	Pin	Digital	Digital	Digital	Digital
Operating Voltage	230V AC	•	•	•	•	•	•
Switch Rating 230V AC	13A Resistive (3kW)	•	•	•	•	•	•
	Inductive	4A	4A	6A	6A	4A	
Operating Temperature		0 to 40°C	0 to 50°C	-10 to 50°C	-10 to 50°C	0 to 40°C	0 to °C
Battery	1000 hours rechargeable			•	•	150 hours	
Cable Connection	1.5 – 2.5mm² Flexible Cable	•	•	•	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•
Dimensions (mm)	Height	92	120	115	115	92	85
	Width	92	74	74	74	92	85
	Depth	61	48	50	50	57	16

Note: CTS960, CTU9000 & TS900B can be used with up to 100W of fluorescent or low energy lighting. Can be used with filament lighting up to 400W. Cannot be used with discharge lighting (e.g. SON and Metal Halide).
ETU2000 & ETU8000 can be used with up to 500W of fluorescent or low energy lighting and up to a 1hp motor. Can also be used with up to 1500W of filament lighting. Cannot be used with discharge lighting, (e.g. SON and Metal Halide).

Specifications

See page 9 for Product Information

		FST11	FST17	CGP960	CGP9000
Timer Mode		24 Hour	7 Day	24 Hour	24 Hour/7 Day
Setting Type		Digital	Digital	Segment	Digital
Voltage Free Contacts	Single Pole ON/OFF	•	•	•	•
Operating Voltage	230V AC	•	•	•	•
Switch Rating 230V AC	13A Resistive (3kW)	•	•	16A (3.68kW)	16A (3.68kW)
	Inductive	6A	6A	4A	4A
Battery	1000 hours rechargeable	•	•		150 hours
Operating Temperature	-10 to 40°C	•	•	0 to 40°C	0 to 40°C
Integral BS1362 Fuse & DP Switch		•	•		
Conforms to Directives	73/23/EEC	•	•	•	•
	89/336/EEC	•	•	•	•
Dimensions (mm)	Height	85	85	92	92
	Width	85	85	92	92
	Depth	38	38	61	57

Note: FST11/17 can be used with up to 500W of fluorescent or low energy lighting and up to 1500W of filament lighting. Can also be used with up to a 1hp motor. Cannot be used with discharge lighting.
FST11/17 fit onto standard single gang wall boxes 25mm deep and are supplied with a separate double cable clamp for flying lead connection. CGP960/CGP9000 can be used with up to 100W of fluorescent or low energy lighting and with up to 400W filament lighting. Cannot be used with discharge lighting (e.g. SON and Metal Halide).

See pages 10 – 11 for Product Information

		E169S	E269H	ELU56	ELU5620	TR 635 top	TR 636 top
Timer Mode		24 Hour	24 Hour/7 Day	7 Day	7 Day	24 Hour/7 Day	24 Hour/7 Day
Setting Type		Segment	Tappets	Digital	Digital	Digital	Digital
Voltage Free Contacts	Changeover	ON/OFF	ON/OFF	•	ON/OFF	•	•
Operating Voltage	230V AC	•	•	•	•	•	•
Switch Rating 230V AC	Resistive	20A (4.6kW)	20A (4.6kW)	16A (3.68kW)	20A (4.6kW)	16A (3.68kW)	2 x 6A
	Inductive	12A	12A	6A	8A	10A	2 x 6A
Battery	1000 hours rechargeable			•	•	10 year Lithium*	10 year Lithium*
Operating Temperature	-10 to 40°C	•	•	•	•	-10 to 50°C	-10 to 50°C
Conforms to Directives	73/23/EEC	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•
Dimensions (mm)	Height	104	104	104	104	104	104
	Width	72	72	72	72	72	72
	Depth	69	69	69	69	69	69

Note: E169S and E269H cannot be used with fluorescent, low energy or discharge lighting. Can be used with up to 400W of filament lighting. For similar switches with voltage free changeover contacts ask for the product codes: SYN269H 24 hour & 7 day (1 x 10amp) SYN269G 24 hour & 7 day (2 x 10amp). ELU56 can be used with up to 500W of fluorescent lighting or low energy lighting and up to 1500W of filament lighting. Can also be used with up to a 1hp motor. Cannot be used with discharge lighting. TR636TOP cannot be used with fluorescent, low energy or discharge lighting. Can be used with up to 500W of filament lighting.* The Lithium battery (primary) only maintains time and programmes when the supply is not present. TR635TOP can be used with up to 400W of fluorescent lighting or 2300W of filament lighting or 9 x 7W or 7 x 11W or 7 x 15W or 7 x 20W or 7 x 23W of low energy lighting.

See page 12 for Product Information

		RTS113	RTS113Q	RTS114	RTS114Q	RTS173	RTS174	RTS274
Timer Mode		24 Hour	24 Hour	24 Hour	24 Hour	24 Hour/7 Day	24 Hour/7 Day	24 Hour/7 Day
Setting Type	Tappet & Segment	•	•	•	•	Digital	Digital	Digital
Voltage Free Contacts	ON/OFF	Mains Linked	Mains Linked	•	•	Mains Linked	•	Mains Linked
Operating Voltage	230V AC	•	•	•	•	•	•	•
Switch Rating 230V AC	Resistive	20A (4.6kW)	20A (4.6kW)	20A (4.6kW)	20A (4.6kW)	20A (4.6kW)	20A (4.6kW)	2 x 10A
	Inductive	4A	4A	4A	4A	8A	8A	2 x 8A
Operating Temperature	-10 to 45°C	•	•	-10 to 40°C	-10 to 40°C	-10 to 35°C	-10 to 35°C	-10 to 35°C
Power Reserve	250 hours		72Hour		72Hour	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•	•
Dimensions (mm)	Height	120	120	120	120	120	120	120
	Width	100	100	100	100	100	100	100
	Depth	76	76	76	76	76	76	76

Note: The RTS Round Pattern range is compatible with the base used for the single channel and 2 channel ON/OFF mains linked industry standard round pattern timeswitches. The RTS173, RTS174 and RTS274 should not be used with electro-mechanical industry standard bases as double insulation may be prejudiced. RTS113, 113Q, 114, 114Q can switch up to 400W filament lighting, but cannot switch fluorescent, low energy or discharge lighting. RTS173, 174, 274 can switch up to 1.2kW of filament lighting, 1.8kW fluorescent and low energy lighting, 1kW of SON and other discharge lighting or 2hp motor.

Theben DIN Rail Timeswitches

Specifications

See pages 13 – 14 for Product Information

		TR 610 top2	TR 611 top2	TR 612 top2	TR 622 top2	SELEKTA 170 top2	SELEKTA 172 top2	TR 608 top
Timer Mode		24 Hour/7 Day	24 Hour/7 Day Pulse/Random	24 Hour/7 Day	24 Hour/7 Day Pulse/Cycle	Solar	Solar	24 Hour/7 Day
Setting Type		Digital	Digital	Digital 2 Channel	Digital 2 Channel	Digital	Digital 2 Channel	Digital
Voltage Free Contacts	Single Pole Changeover	•	•	2 x C/O	2 x C/O	•	2 x C/O	•
Operating Voltage	230V AC	•	•	•	•	•	•	•
Power Reserve		10 years	10 years	10 years	10 years	10 years	10 years	3 years
Switch Rating 230V AC	Resistive	16A	16A	16A	16A	16A	16A	16A
	Inductive	10A	10A	10A	10A	10A	10A	6A
Operating Temperature	-30 to 55°C	•	•	•	•	•	•	-10 to 50°C
Conforms to Directives	73/23/EEC	•	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•	•
Dimensions (mm)	Height	86	86	86	86	86	86	86
	Width	35	35	35	35	35	35	18
	Depth	65.5	65.5	65.5	65.5	65.5	65.5	65.5

TR 610 top2, TR 611 top2, TR 612 top2, TR 622 top2, SELEKTA 170 top2 SELEKTA 172 top2 can switch up to 2300W of filament or 400W of fluorescent lighting or 9 x 7W or 7 x 11W or 7 x 15W or 7 x 20W or 7 x 23W of low energy lighting. Not suitable for discharge lighting except SELEKTA 170 top2 SELEKTA 172 top2 which can also switch up to 400W of discharge lighting. TR 608 top can switch up to 1000W filament lighting, 200W of fluorescent, or 7 x 7W or 6 x 11W or 5 x 15W or 5 x 20W or 5 x 23W of low energy lighting. Not suitable for discharge lighting.

See pages 14 – 15 for Product Information

		SYN 160	SUL 180	SYN 161	SUL 181	MEM 198 h	SUL 188 h	ELPA 7	ELPA 8	TR 641 S	TR 644 S
Timer Mode		24 Hour	24 Hour	24 Hour	24 Hour	24 Hour	7 Day	0.5 – 20 Minutes	1 – 7 Minutes	24 Hour/7 Day/ Year/Pulse	24 Hour/7 Day/ Year/Pulse
Setting Type		Segment	Segment	Segment	Segment	Tappets	Tappets	Electronic	Rotary	Digital	Digital (4 Channel)
Voltage Free Contacts	Single Pole Changeover	ON/OFF	ON/OFF	•	•	•	•			•	•
Mains Linked Contacts	Single Pole ON/OFF							•	•		
Operating Voltage	230V AC	•	•	•	•	•	•	•	•	•	•
Power Reserve			72 hour		72 hour	72 hour	72 hour			1.5 year	1.5 year
Switch Rating 230V AC	Resistive	16A	16A	16A	16A	16A	16A	16A	16A	16A	16A
	Inductive	4A	4A	4A	4A	4A	4A			10A	10A
Operating Temperature	-10 to 55°C	-25 to 50°C	-25 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-25 to 50°C	-10 to 50°C	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•	•	•	•	•
Dimensions (mm)	Height	90	90	90	90	90	90	84	84	86	86
	Width	17.5	17.5	54	54	54	54	17.5	17.5	105	105
	Depth	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5

ELPA 8 can switch up to 2300W of filament lighting or 1300VA of fluorescent lighting or 9 x 7W or 6 x 11W or 5 x 15W or 5 x 20W of low energy lighting. Not suitable for discharge lighting.
SYN 160, SUL 180, SYN 161, SUL 181, MEM 198, SUL 188 cannot switch discharge lighting but can switch up to 400W of filament lighting or 100W of fluorescent or low energy lighting.
ELPA 7 can switch up to 2300W of filament lighting or 400VA of fluorescent or 7 x 9W, 7 x 11W, 7 x 15W, 7 x 20W, 7 x 23W of low energy lighting.

Specifications

See pages 16 – 17 for Product Information

		LUNA 108	LUNA 109	LUNA 110	LUNA 111 top2	LUNA 112 top2	LUNA 120 top2
Timer Mode		Dusk/Dawn	Dusk/Dawn	Dusk/Dawn	Dusk/Dawn	Dusk/Dawn	Dusk/Dawn/Timeswitch
Setting Type		Adjusting Screw	Adjusting Screw	Adjusting Screw	Digital	2 Channel Digital	Analogue
Brightness Range	Lux	2 – 100	2 – 2000	2 – 50,000	1 – 99,000	1 – 99,000	2 – 2000
Adjustment	Brightness Range	1 Range	1 Range	5 Ranges	Multiple	Multiple	1 Range
Switching Delay	ON/OFF	20/80 Seconds	60/60 Seconds	0 – 20 Minutes	0 – 59 Minutes	0 – 59 Minutes	0 – 59 Minutes
Voltage Free Contacts	Single Pole Changeover	ON/OFF	•	•	•	x2	•
Operating Voltage	230V AC	•	•	•	•	•	•
Power Reserve	10 Years				•	•	•
Switch Rating 230V AC	Resistive	16A	16A	16A	16A	16A	16A
	Inductive	10A	10A	10A	10A	10A	10A
Operating Temperature	Unit -30 to 55°C	-25 to 50°C	•	•	•	•	•
	Sensor -40 to 70°C	•	•	•	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•
Dimensions (mm)	Height	90	90.1	90.1	90.1	90.1	90.1
	Width	17.5	35.8	35.8	35.8	53.6	53.6
	Depth	65.5	69.2	69.2	69.2	69.2	69.2

Acceptable lighting loads:
LUNA 108 / 109 – filament 2300W, fluorescent 400VA, low energy 140W, discharge 400VA.
LUNA 110 – filament 3600W, fluorescent 1200VA, low energy 400W, discharge 1200VA.
LUNA111 / 112 / 120 top2 – filament 2600W, fluorescent 800VA, low energy 300W, not suitable for discharge lighting.

See page 18 for Product Information

		DQ9	DQ12	DS9	DS12
Range		Delhi	Delhi	Delhi	Delhi
Face Size	Diameter	227mm (9")	296mm (12")	227mm (9")	296mm (12")
Movement	Quartz	•	•	•	•
Power Supply	1 x AA (1.5V)	•	•	230V AC	230V AC
Dial	12 Hour	•	•	•	•
Finish	White Thermoset Plastic	•	•	•	•

Note: Millimetre face sizes rounded to nearest inch. Delhi have glass fronts.

See page 18 for Product Information

		RT03N	RT05	RTR25	RTR30
Range		Rightime	Rightime	Rightime Radio	Rightime Radio
Face Size	Diameter	225mm (9")	300mm (12")	225mm (9")	300mm (12")
Movement	Quartz	•	•	•	•
Power Supply	1 x AA (1.5V)	•	•	•	•
Dial	12 Hour	•	•	•	•
Finish	White Plastic	White Plastic	White Plastic	White Plastic	White Plastic

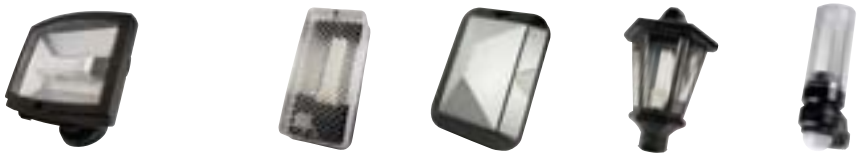
Note: Millimetre face sizes rounded to nearest inch. Rightime clocks have plastic fronts.

Specifications

See pages 22 – 24 for Product Information

		SLW360	SLFM360	PDSM361	PDSM362	PDFM361	PDFM362	201.0.090	200.0.000	202.0.000
Operating Voltage	230V AC	•	•	•	•	•	•	•	•	•
1 or 2 Channel		1 Channel	1 Channel	1 Channel	2 Channel	1 Channel	2 Channel	2 Channel	1 Channel	2 Channel
1st Channel Filament/Halogen Loading (W)		2000/2000	2000/2000	2000/1000	2000/1000	2000/1000	2000/1000	1200/1200	1200/1200	1200/1200
1st Channel Fluorescent/Low Energy Loading (W)		500	500	900	900	900	900	550	550	700
2nd Channel Rating	Voltage free contacts 5A 230V AC or 30V DC				•		•	50VA		460VA
Weatherproof Rating		IP44	IP44	IP40	IP40	IP40	IP40	IP40	IP54	IP40
Detection	Metres (Max)	6 Dia	6 Dia	7 Dia	7 Dia	7 Dia	7 Dia	20 x 5	8 x 8	11 x 11
Angle of Detection	360°	•	•	•	•	•	•	•	•	•
Light ON Time After last	Seconds (Min)	5	5	5	5	5	5	10	10	10 Mins
detection (Adjustable)	Minutes (Max)	18	18	60 with IR10	60 with IR10	60 with IR10	60 with IR10	120	20	60
Permanent ON Facility	Electronic	•	•	with IR10	with IR10	with IR10	with IR10	•	•	•
Adjustable Light Level Control		•	•	•	•	•	•	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•	•	•	•
Dimensions (mm)	Height	53	71	42.5	42.5	52	52	84	67	95
	Width	103	84	121.5	121.5	80	80	102.5	86	87
	Depth	103	84	121.5	121.5	80	80	102.5	86	87

See pages 25 – 26 for Product Information



		ECO42F	ECO26F	ECO18B	ECO18PY	ECO13L	MLB360CFL
Operating Voltage	230V AC	•	•	•	•	•	•
Maximum Light Load (W)	Internal	42	26	18	18	13	22
Low Energy Fluorescent	External						478 / 2900 filament
Equivalent Brightness	Incandescent (W)	200	150	100	100	60	110
Adjustable ON Time	2,4,6,8 hrs & dusk to dawn	•	•	Dusk to Dawn	•	•	
Weatherproof Rating		IP44	IP44	IP44	IP44	IP44	IP55
Detection Range	Metres (Max)						12
Angle of Detection	360°						•
Light ON Time After last	Minutes (Min)						1
detection (Adjustable)	Minutes (Max)						15
Permanent ON Facility	Electronic	•	•		•	•	•
Adjustable Light Level Control		•	•	•	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•
Dimensions (mm)	Height	260	260	240	298	346	300
	Width	270	270	117	217	232	85
	Depth	285	285	112	135	125	150

Automatic Light Switches & Lamp Holders

Specifications

See page 27 for Product Information

		ZV700	ZV210	ZV215	ZV810
Switch Type	Single or Double Gang	Single/2 Way	Single/2 Way	Double/2 Way	Single/2 Way
Filament Load (Max)	40W Min up to Max	300W	300W	300W	500W
Low Voltage Lighting		20 to 200W			40 to 150W
Fluorescent & Low Energy Lighting		18 to 76W Fluorescent 20 to 150W Low Energy (Minimum bulb size 20W)	Up to 85W with adaptor FLA01*	Up to 85W with adaptor FLA01*	18 to 150W Fluorescent 15 to 150W Low Energy (Philips or Osram only)
Light Level Sensing		• (Optional)	•	•	•
Light ON Time	Adjustable	•	•	•	•
Concealed Front Panel		•	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•
	89/336/EEC	•	•	•	•
Dimensions (mm)	Height (Open)	115	122	122	135
	Height (Closed)	86	86	86	86
	Width	86	86	86	86
	Depth	50	22	22	38

Note: Cannot be used with dimmer or other electronic switches in two way switching systems or replace an intermediate switch in three or more way switching systems.
*Additional work may be necessary in pendant locations.

See pages 28 – 29 for Product Information

		RLS010	DS1 or DS1/DSS	DS2	PSL07	PSL118	EPNL5	TGNL15
Switch Type	Single or Double Gang	1 Way	•	•	Dusk to Dawn	Dusk to Timed OFF	Night Light	Night Light
Permissible Loads	Filament Lamps	40 – 300W	1.5kW	1.5kW	40 – 100W	40 – 100W		
	Low Energy				9 – 20W	9 – 20W		
	Low Voltage		20 – 200W	20 – 200W				
	Heating			2kW				
	Inductive			4A				
	Motor			1hp				
Lamp Size	Incandescent 40W – 100W				•	•	7W Only (SES E14 Base)	
	Low Energy 9W – 20W				•	•		
Adjustable Time Delay	Approx.		10 sec to 10 min	3 sec to 2 hours				
Operating Voltage	230V AC	•	•	•	•	•	•	•
Operating Temperature	-10 to 40°C	•	•	•	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C
Remote Control Range	Max	8m ±50°						
Remote Batteries	Not Supplied	2 x AAA						
Fuse Rating	20 x 5mm T1A HRC						•	•
Light Level Sensing					•	•	•	
Light ON Time	Adjustable				•	•		
Conforms to Directives	73/23/EEC	•	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•	•
Dimensions (mm)	Height	86	86	86	105	85	120	96
	Width	86	86	86	65	50	50	52
	Depth	40	20	20	65	50	70	57
Min Box Depth	16mm	•	•	•				

Note: For all PSL units maximum watts reduced to 60W for a closed end shade. Cannot be used with enclosed fittings or in external locations.

Specifications

See pages 30 – 33 for Product Information

All 'MLB/MLW' products

		SLW2400	MTLW3000	NSLDD1000	NSLOD2000	NSLB2000 NSLW2000	MLB3000 MLW3000	SL055 & SL099	MLSA360	TLTXDCB	TLRXC1
Operating Voltage	230V AC	•	•	•	•	•	•	•	•		•
Battery	1 x PP3									•	
Lamp Load (W)	Fluorescent/Low Energy	500	500	500	500	500	500	500 per zone	500		
	Filament	2000	3000	3000	3000	2300	3000	1500 per zone	3000		400
Weatherproof Rating	IP55	IP44	•	•	•	•	•	IP54	•	IP44	indoor
Detection Range	Metres (Max)	12	12	Dusk to Dawn	5 / 12	12	12	15	12	12	
Angle of Detection	360°	180°	200°	Dusk to Dawn	200°	180°	200°	180°	360°	180°	
Dusk to Timed OFF	Selectable			2 to 8 hrs or dawn							
RF Operating Mode (Range 100m line of sight)	TX – Transmitter									•	
	RX – Receiver										•
Light ON Time After last detection (Adjustable)	Seconds (Min)	5	5		5	5	5	5	5		5
	Minutes (Max)	18	18		18	5	18	5	18		15
Permanent ON Facility	Electronic	•	•	•	•	•	•	•	•		
Adjustable Light Level Control		•	•	•	•	•	•	•	•	•	
Holiday Mode	1 – 8 hours						•				
System 'Live' Status	Scrolling LEDs						•				
Conforms to Directives	73/23/EEC	•	•	•	•	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•	•	•	•	•
Dimensions (mm)	Height	73	73	95	85	185	135	90 109	85	135	131
	Width	87	87	80	121	70	70	147 75	85	70	70
	Depth	121	121	45	71	135	125	29 53	155	125	90

Note: SLW2400, MTLW3000, NSLOD2000, NSLB2000, NSLW2000, MLB3000, MLW3000, MLSA360 can be wired in parallel to enable any detector to turn ON all the lights connected.
The load must not exceed the lamp rating of a single unit.

See pages 34 – 36 for Product Information

All 'MLB/MLW' products

		NSLB500 NSLW500	NSLB150 NSLW150	NCFB500 NCFW500	NCFB150 NCFW150	MLB500 MLW500	MLB150 MLW150	MLBTS MLWTS	MLB98 MLW99	SLB88 SLW89	SLB44 SLW45
Operating Voltage	230V AC	•	•	•	•	•	•	•	•	•	•
Maximum Light Load (W)	Internal	500	150	500	150	500	150	2 x 75W PAR	60 / 22 LE	60	60
Tungsten/Halogen/Incandescent	External	1800	2150			2500	2850	2850	2900	440	
Fluorescent/Low Energy	External	375	375			375	375	375	375	100	
Weatherproof Rating	IP55	•	•	•	•	•	•	•	•	IP44	IP43
Detection Range	Metres (Max)	12	12			12	12	12	12	8	8
Angle of Detection	360°	180°	180°			200°	200°	200°	200°	110°	110°
Light ON Time After last detection (Adjustable)	Seconds (Min)	5	5			5	5	5	5	5	5
	Minutes (Max)	5	5			18	18	18	18	5	5
Permanent ON Facility	Electronic	•	•			•	•	•	•		
Adjustable Light Level Control		•	•			•	•	•	•	•	•
Holiday Mode	1 – 8 hours					•	•	•	•		
System 'Live' Status	Scrolling LEDs					•	•	•			
Conforms to Directives	73/23/EEC	•	•	•	•	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•	•	•	•	•
Dimensions (mm)	Height	215	180	150	190	300	260	235	300	255	365
	Width	185	140	70	185	195	145	260	115	115	180
	Depth	160	170	115	130	190	150	250	115	110	235

Note: NSLB500, NSLW500, NSLB150, NSLW150, MLB500, MLW500, MLB150, MLW150, MLBTS, MLWTS, MLB98, MLW99, SLB88, SLW89 can be wired in parallel to enable any detector to turn ON all the lights connected.
The load must not exceed the lamp rating of a single unit.

Specifications

See pages 38 – 41 for Product Information

		EACP1	EACP1PR	EACP4	EACP4PR	EARB1	EAPC1	EADF1	EAPB1	EAAB1
Switch Type	Single or Double Gang	Double	Double	Double	Double	Single	Surface Mount	Single	Single	Single
Operating Voltage	230V AC	•	•	•	•					
Unit Finish	White Plastic	•	•	•	•	•	•	•	•	•
Zone Detection		Single	Single	Four	Four					
Alarm	65dB Continuous	•	•	•	•	•		78dB Intermittent		
System 'Live' Status		•	•	•	•					
Auto Fault Detection		•	•	•	•					
Power Reserve	Typically 4 Days in Standby		•		•					
	2 Hours in Continuous Alarm		•		•					
Cable Capacity	3 x 1.5mm²	•	•	•	•					
	7/0.2	•	•	•	•	•	•	•	•	•
Conforms to Directives	BSEN 60335-1	•	•	•	•	•	•	•	•	•
	73/23/EEC	•	•	•	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•	•	•	•
Dimensions (mm)	Height x Width x Depth	85 x 145 x 33	85 x 145 x 33	85 x 145 x 33	85 x 145 x 33	85 x 85 x 12	82Ø x 20	85 x 85 x 24	80 x 72 x 65	85 x 85 x 12
Min Box Depth	25mm	•	•	•	•	•		•	•	•

See pages 38 – 41 for Product Information

		EASSCP1	EASSCP1PR	EASSCP4	EASSCP4PR	EASSRB1	EAPC1	EASSDF1
Switch Type	Single or Double Gang	Double	Double	Double	Double	Single	Surface Mount	Single
Operating Voltage	230V AC	•	•	•	•			
Unit Finish	Stainless Steel	•	•	•	•	•	•	•
Zone Detection		Single	Single	Four	Four			
Alarm	65dB Continuous	•	•	•	•	•		78dB Intermittent
System 'Live' Status		•	•	•	•			
Auto Fault Detection		•	•	•	•			
Power Reserve	Typically 4 Days in Standby		•		•			
	2 Hours in Continuous Alarm		•		•			
Cable Capacity	3 x 1.5mm²	•	•	•	•			
	7/0.2	•	•	•	•	•	•	•
Conforms to Directives	BSEN 60335-1	•	•	•	•	•	•	•
	73/23/EEC	•	•	•	•	•	•	•
	89/336/EEC	•	•	•	•	•	•	•
Dimensions (mm)	Height x Width x Depth	85 x 145 x 33	85 x 145 x 33	85 x 145 x 33	85 x 145 x 33	85 x 85 x 12	82Ø x 20	85 x 85 x 24
Min Box Depth	25mm	•	•	•	•	•		•

See pages 42 – 43 for Product Information

		RCD01W	RCD02WL	RCD03M	RCD04ML	RCD05W	RCD06WL	RCD07M	RCD08ML
Type	Latching or Non-Latching	Non-Latching	Latching	Non-Latching	Latching	Non-Latching	Latching	Non-Latching	Latching
Operating Voltage	230V AC	•	•	•	•	•	•	•	•
Current Rating	Fully Complies with BS1363	•	•	•	•	•	•	•	•
Rated Trip Current	30mA	•	•	•	•	•	•	•	•
Trip Speed	BS7288 – 40ms	•	•	•	•	•	•	•	•
Contact Break	Double Pole	•	•	•	•	•	•	•	•
Continues to Protect with	Lost Neutral & Pulsating DC Earth Fault	•	•	•	•	•	•	•	•
Cable Capacity	3 x 2.5mm²	•	•	•	•	•	•	•	•
Conforms to BS	BS1363, BS7288	•	•	•	•	•	•	•	•
Dimensions (mm)	Height x Width x Depth	84 x 145 x 20	84 x 145 x 20	76 x 136 x 30	76 x 136 x 30	84 x 145 x 20	84 x 145 x 20	76 x 136 x 30	76 x 136 x 30
Min Box Depth	25mm	•	•			•	•		
Surface Mount Wall Box	Supplied			•	•			•	•

Note: Metal RCD Sockets supplied with a 40mm BS metal surface wall box.

Specifications

See pages 43 – 44
for Product Information

		RCD12WL	RCD10WL	RCD16ML	CB008	CBP09	RCD07SKT	RCD08SKT
Type	Latching or Non-Latching	Latching	Latching	Latching	Non-Latching	Non-Latching	Non-Latching	Latching
Operating Voltage	230V AC	•	•	•	•	•	•	•
Current Rating	Fully Complies with BS1363	•	13A	13A	•	•	•	•
Rated Trip Current	30mA	•	•	•	•	•	•	•
Trip Speed	BS7288 – 40ms	•	•	•	BS7071 – 40ms	BS7071 – 40ms	•	•
Contact Break	Double Pole	•	•	•	•	•	•	•
Continues to Protect with	Lost Neutral & Pulsating DC Earth Fault	•	•	•	•	•	•	•
Cable Capacity	3 x 2.5mm²	•	Up to 10.5mm²	Up to 10.5mm²	•	•	•	•
Conforms to BS	BS1363, BS7288	•	BS7288	BS7288	BS1363/BS7071	BS1363/BS7071	•	•
Dimensions (mm)	Height x Width x Depth	85 x 85 x 40	85 x 85 x 30	85 x 85 x 30	127 x 60 x 70	115 x 50 x 80	67 x 133.3 x 41.3	67 x 133.3 x 41.3
Min Box Depth	25mm	•	•					
Surface Mount Wall Box	Supplied			•				

Note: Metal RCD Sockets supplied with a 40mm BS metal surface wall box.

See pages 45 – 46
for Product Information

		TFA01W	TFP02WL	TFA03M	TFP04ML	TFA05W	TFP06WL	TFA07M	TFP08ML	TFP10WL
Type	Latching or Non-Latching	Non-Latching	Latching	Non-Latching	Latching	Non-Latching	Latching	Non-Latching	Latching	Latching
Operating Voltage	230V AC	•	•	•	•	•	•	•	•	•
Current Rating	Fully Complies with BS1363	•	•	•	•	•	•	•	•	13A
Rated Trip Current	30mA	•	•	•	•	•	•	•	•	•
Trip Speed	BS7288 – 40ms	•	•	•	•	•	•	•	•	•
Contact Break	Double Pole	•	•	•	•	•	•	•	•	•
Continues to Protect with	Lost Neutral & Pulsating DC Earth Fault	•	•	•	•	•	•	•	•	•
Cable Capacity	3 x 2.5mm²	•	•	•	•	•	•	•	•	Up to 10.5mm²
Conforms to BS	BS1363, BS7288	•	•	•	•	•	•	•	•	BS7288
Dimensions (mm)	Height x Width x Depth	85 x 85 x 20	85 x 85 x 20	87 x 87 x 55	87 x 87 x 55	85 x 146 x 20	85 x 146 x 20	87 x 148 x 55	87 x 148 x 55	85 x 85 x 20
Min Box Depth	25mm	•	•			•	•			•
Surface Mount Wall Box	Supplied			•	•			•	•	

Note: Metal RCD Sockets supplied with a 40mm BS metal surface wall box.

See page 47
for Product Information

		SPA3G	SPS4G	SPS6G	SPS8G	SPS10G
Number of Ways		3	4	6	8	10
Operating Voltage	230V AC	•	•	•	•	•
Surge Rating (Max)	4500A	•	•	•	•	•
Mains Protection Mode	L – N, N – E, L – E	•	•	•	•	•
Maximum Current	13A (3kW)	•	•	•	•	•
Operating Temp Range	0 to 40°C	•	•	•	•	•
Factory Fitted Fuse	BS1362 13A	•	•	•	•	•
Power Consumption	0.2W	•	•	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•
	89/336/EEC	•	•	•	•	•
Dimensions (mm)	Height	65	60	60	150	125
	Width	50	270	380	365	380
	Depth	80	25	25	30	25

Specifications

See pages 48 – 50 for Product Information

3 Guarantee

WEATHERSAFE® IP66 RATING

Type		TGV101 Switched	TGV103 Fused Spur	TGV104 RCD Fused Spur	TGV201 Switched	TGV203 Timer	TGV204 RCD Latching
Weatherproof Rating	IP66	•	•	•	•	•	•
Operating Voltage	230V AC	•	•	•	•	•	•
Rocker Switch Poles		1			1		1
Rocker Switch Rating	230V 13 Amp (3kW)	•			•		•
Operating Temperature	0 to 40°C	•	•	•	•	•	•
Integral BS1362 Fuse			•	•			
Trip Speed	BS7288 – 40ms			•			•
RCD Contact Break	Double Pole			•			•
Continues to Protect with	Lost Neutral & Pulsating DC Earth Fault			•			•
Cable Capacity	3 x 2.5mm²	•	•	•	•	•	•
Conforms to BS	BS1363, BS7288 (RCD)	•	•	•	•	•	•
Dimensions (mm)	Height x Width x Depth	142.5 x 117 x 75.5	142.5 x 117 x 75.5	142.5 x 117 x 75.5	142.5 x 157 x 75.5	142.5 x 157 x 75.5	142.5 x 157 x 75.5

See pages 50 – 51 for Product Information

3 Guarantee

WEATHERSAFE® IP66 RATING

Type		TGV205 RCD Non-Latching	TGV206 Photocell	TGVL01 2 Way	TGVL02 2 Gang 2 Way	TGVL03 Bell	TGVL05 DP Switch
Weatherproof Rating	IP66	•	•	•	•	•	•
Operating Voltage	230V AC	•	•	•	•	•	•
Rocker Switch Poles		1		1	1	1	2
Rocker Switch Rating	230V 13 Amp (3kW)	•		10 A X	10 A X	10 A X	20 A X
Operating Temperature	0 to 40°C	•	•	•	•	•	•
Integral BS1362 Fuse							
Trip Speed	BS7288 – 40ms	•					
RCD Contact Break	Double Pole	•					
Continues to Protect with	Lost Neutral & Pulsating DC Earth Fault	•					
Cable Capacity	3 x 2.5mm²	•	•	•	•	•	•
Conforms to BS	BS1363, BS7288 (RCD)	•	•	BS60669	BS60669	BS60669	BS60669
Dimensions (mm)	Height x Width x Depth	142.5 x 157 x 75.5	142.5 x 157 x 75.5	96 x 92 x 66	96 x 92 x 66	96 x 92 x 66	96 x 92 x 66

See pages 52 – 55 for Product Information

3 Guarantee

WEATHERSAFE® IP66 RATING

WEATHERSAFE® IP65 RATING

Type		WP201 Switched	WP202 Isolated Switched	WP203 Isolated Timer	WP204 RCD Latching	WP205 RCD Non-Latching	WP401 4 Way Connector Box	WPM02 2 Way Mini Box
Weatherproof Rating	IP66	•	•	•	•	•	IP65	•
Operating Voltage	230V AC	•	•	•	•	•	•	•
Rocker Switch Poles		1	1		1	1		
Rocker Switch Rating	230V 13 Amp (3kW)	•	•		•	•		
Operating Temperature	0 to 40°C	•	•	•	•	•	•	•
Integral BS1362 Fuse								
Trip Speed	BS7288 – 40ms				•	•		
RCD Contact Break	Double Pole				•	•		
Continues to Protect with	Lost Neutral & Pulsating DC Earth Fault				•	•		
Cable Capacity	3 x 2.5mm²	•	•	•	•	•	5 x 2.5mm²	•
Conforms to BS	BS1363, BS7288 (RCD)	•	•	•	•	•	•	•
Dimensions (mm)	Height x Width x Depth	130 x 195 x 80	130 x 195 x 80	130 x 195 x 80	130 x 195 x 80	130 x 195 x 80	335 x 220 x 107	225 x 155 x 107

Specifications

See pages 53 – 55 for Product Information

3 Guarantee

WEATHERSAFE® IP66 RATING

		WP101	WP102	WP103	WP104	WP105	WP106	WPL01	WPL02	WPL03	WPL04
Type		Switched	Isolated Switched	Fused Spur	RCD Fused Spur	DIN Timer	Solar Timer	2 Way	2 Gang 2 Way	Bell	DP Switch
Weatherproof Rating	IP66	•	•	•	•	•	•	•	•	•	•
Operating Voltage	230V AC	•	•	•	•	•	•	•	•	•	•
Rocker Switch Poles		1	1					1	1	1	2
Rocker Switch Rating	230V 13 Amp (3kW)	•	•					10 A X	10 A X	10 A X	20 A X
Operating Temperature	0 to 40°C	•	•	•	•	•	•	•	•	•	•
Integral BS1362 Fuse					•						
RCD Trip Speed	BS7288 – 40ms				•						
Continues to Protect with	Lost Neutral & Pulsating DC Earth Fault				•						
Cable Capacity	3 x 2.5mm²	•	•	•	•	•	•	•	•	•	•
Conforms to BS	BS1363, BS7288 (RCD)	•	•	•	•	•	•	BS60669	BS60669	BS60669	BS60669
Dimensions (mm)	Height x Width x Depth	130x135x80	130x135x80	130x135x80	130x135x80	130x135x80	130x135x80	92x92x64	92x92x64	92x92x64	92x92x64

See pages 56 – 57 for Product Information

3 Guarantee

POWERSEAL IP55 RATING -SOCKETS- When Lid Closed

		TPS101	TPS201	TPS203	TPS204
Type		Single Gang Socket	Twin Gang Socket	Combined 13A Socket & DP Switch	Combined RCD Socket
Weatherproof Rating		IP55	IP55	IP55	IP55
Operating Voltage	230V 13 Amp (3kW)	•	•	•	•
Rocker Switch Poles				2	
Rocker Switch Rating	230V 13 Amp (3kW)			•	
Operating Temperature	0 to 40°C	•	•	•	•
RCD Trip Speed	BS7288 – 40ms				•
Continues to Protect with	Lost Neutral & Pulsating DC Earth Fault				•
Cable Capacity	3 x 2.5mm²	•	•	•	•
Conforms to BS	BS1363, BS7288 (RCD)	•	•	•	•
Dimensions (mm)	Height x Width x Depth	70 x 70 x 54	70 x 147 x 54	70 x 147 x 54	70 x 147 x 54

See page 57 for Product Information

3 Guarantee

POWERSEAL IP55 RATING -SWITCHES- When Lid Closed

		TPSL01	TPSL02	TPSL03	TPSL04	TPS2KIT
Type		2 Way	2 Gang 2 Way	Bell	DP Switch	Twin Gang Socket Kit with RCD Plug (CBP09)
Weatherproof Rating		IP55	IP55	IP55	IP55	IP55 (not RCD Plug)
Operating Voltage	230V	•	•	•	•	•
Rocker Switch Poles		1	1	1	2	
Rocker Switch Rating	230V 13 Amp (3kW)	10 AX	10 AX	10 AX	20 AX	
Operating Temperature	0 to 40°C	•	•	•	•	•
Integral BS1362 Fuse						in RCD plug
RCD Trip Speed	BS7071 – 40ms					•
Continues to Protect with	Lost Neutral & Pulsating DC Earth Fault					•
Cable Capacity	3 x 2.5mm²	•	•	•	•	•
Conforms to BS	BS1363, BS7288 (RCD)	BS60669	BS60669	BS60669	BS60669	•
Dimensions (mm)	Height x Width x Depth	70 x 70 x 55	70 x 70 x 55	70 x 70 x 55	70 x 70 x 55	70 x 147 x 54

Specifications

See page 58 for Product Information

		DCA1	DCA2	DCA1/DCA2
Intercom Type		Outdoor Audio Intercom	Outdoor Audio Intercom	Indoor Phone Unit
Number of Channels		Single	Twin	Single/Twin
Unit Finish	Brushed Aluminium	•	•	White Plastic
Operating Voltage	15V DC	•	•	•
AC-DC Power Adaptor	230V AC			•
Connection	2 Wire	•	•	•
Distance Between Intercoms	70m (Max)	•	•	•
Conforms to	EC Directives	•	•	•
Dimensions (mm)	Height	150	150	210
	Width	100	100	95
	Depth	28	28	75

See pages 59 – 60 for Product Information

		DCC1	DCC2	DCC3	DCC4	DCC1	DCC2	DCC3/DCC4
Intercom Type		Outdoor Camera Intercom	Outdoor Camera Intercom	Outdoor CMOS Camera Intercom	Outdoor CMOS Camera Intercom	Indoor Phone Monitor	Indoor Phone Monitor	Indoor Phone Monitor
Image	Colour/Black & White	B&W	Colour	B&W	B&W	B&W	Colour	B&W
Screen Size	mm (inches)					102 (4")	89 (3.5")	102 (4")
Number of Channels		Single	Single	Single	Twin	Single	Single	Single/Twin
Unit Finish	Brushed Aluminium	•	•	•	•	White Plastic	White Plastic	White Plastic
Operating Voltage	15V DC	•	•	•	•	•	•	•
AC-DC Power Adaptor	230V AC					•	•	Internal
Connection	2 Wire	4 Wire	4 Wire	•	•	4 Wire	4 Wire	•
Distance Between Intercoms	70m (Max)	100	100	•	•	100	100	•
Conforms to	EC Directives	•	•	•	•	•	•	•
Dimensions (mm)	Height	200	200	225	225	210	210	240
	Width	100	100	115	115	220	220	195
	Depth	35	35	28	28	70	70	80

See pages 61 – 62 for Product Information

		DCEX1	DCEX2	DCEX1/DCEX2	DCEX3	DCEX4	DCEX3/DCEX4
Intercom Type		Outdoor Audio Intercom	Outdoor Audio Intercom	Indoor Audio Intercom	Outdoor Camera Intercom	Outdoor Camera Intercom	Indoor Video Intercom
Image	Colour/Black & White				Colour	Colour	Colour
Screen Size	mm (inches)						63 (2.5")
Number of Channels		Single	Twin	Single/Twin	Single	Twin	Single/Twin
Unit Finish	Brushed Aluminium	•	•	•	•	•	•
Operating Voltage	15V DC	•	•	•	•	•	•
AC-DC Power Adaptor	230V AC			•			•
Connection	2 Wire	•	•	•	•	•	•
Distance Between Intercoms	70m (Max)	•	•	•	•	•	•
Conforms to	EC Directives	•	•	•	•	•	•
Dimensions (mm)	Height	150	150	150	225	225	225
	Width	115	115	115	115	115	115
	Depth	28	28	28	28	28	28

Specifications

See page 65
for Product Information

CABLE		UFHC24	UFHC32	UFHC64
Total Cable Watts	W	240	320	640
Area Coverage at 120W/m²	metres²	2.0	2.67	5.32
Area Coverage at 160W/m²	metres²	1.5	2.0	4.0
Area Coverage at 200W/m²	metres²	1.2	1.6	3.2
Cable Length	metres	24	32	64

Note: **Heating power required: 120W/m² on wooden sub-floor, 160W/m² on concrete sub floor, 200W/m2 for single source heating (see note 5 below).**
All kits come with a detailed guide on how to install and our customer support team will be on-line to assist with your installation queries.

See page 66
for Product Information

MAT			UFHM2	UFHM3	UFHM4	UFHM6	UFHM8	UFHM10
Total Mat Watts	W		160	240	320	480	640	800
Area Coverage at 160W/m²	metres²		0.9	1.35	1.8	2.7	3.6	4.5
Mat Dimensions (m)	Width	0.45	•	•	•	•	•	•
	Length		2.0	3.0	4.0	6.0	8.0	10.0

Note: **Heating power required: 160W/m² on concrete sub floor.**
All kits come with a detailed guide on how to install and our customer support team will be on-line to assist with your installation queries.

See page 67
for Product Information

FLEXI-MAT			UFHFM25	UFHFM40	UFHFM60	UFHFM100	UFHFM150	UFHFM250
Total Mat Watts	W		160	260	380	640	960	1600
Area Coverage at 160W/m²	metres²		1.0	1.6	2.4	4.0	6.0	10.0
Area Coverage at 120W/m²	metres²		1.33	2.13	3.2	5.3	8.0	13.3
Mat Dimensions (m)	Width	0.4	•	•	•	•	•	•
	Length		2.5	4.0	6.0	10.0	15.0	25.0

Note: **Heating power required: 120W/m² on wooden sub floor, 160W/m² on concrete sub floor.**
All kits come with a detailed guide on how to install and our customer support team will be on-line to assist with your installation queries.

See page 68
for Product Information

FLEXI-FAST MAT			FFM40	FFM100	FFM150	FFM250
Total Mat Watts	W		320	800	1200	2000
Area Coverage at 160W/m²	metres²		2.0	5.0	7.5	12.5
Area Coverage at 200W/m²	metres²		1.6	4.0	6.0	10.0
Mat Dimensions (m)	Width	0.4	•	•	•	•
	Length		4.0	10.0	15.0	25.0

Note: **Heating power required: 160W/m² on concrete sub floor, 200W/m2 for single source heating (see note 5 below).**
All kits come with a detailed guide on how to install and our customer support team will be on-line to assist with your installation queries.

Notes:

1. All mat systems must have a separation of 30mm between mat runs.
2. There must be a 50mm gap around all the edges (boundaries) of the installation (including kitchen islands and floor standing W.C.'s).
3. For cable systems, cable centre separation: 200W/m² – 50mm, 160W/m² – 62mm, 120W/m² – 82mm.
4. For older uninsulated concrete floors we recommend the use of an insulating backer board (from Builders Merchants) underneath the cable or mat, otherwise the running costs will be excessive and, in extreme cases, the system may struggle to maintain the floor at higher temperatures.
5. For single source heating (the Thermolay system is the only source of heating in the area) the requirement is:
   a. the W/m² must be 200 (Cable or Flexi-Fast Mat).
   b. the building must meet the insulation requirements of the latest Building Regulations (not possible for conservatories).

Specifications

See pages 69 – 70 for Product Information

		RAMSES 714 A	TPT1	RAMSES 818 top	TPT44	TPT88
Timer Mode		ON/OFF	ON/OFF	24 Hour/7 Day	24 Hour	24 Hour/7 Day
Voltage Free Contacts	Single Pole ON/OFF	•	•	•	•	•
Operating Voltage	230V AC	•	•	•	•	•
Switch Rating 230V AC	16A Resistive (3.67kW)	•	•	•	•	•
	3A Inductive	•	•	•	•	•
Floor Control Temperature Range		10 to 30°C	10 to 30°C	10 to 30°C	20 to 45°C	10 to 30°C
Froststat Temperature				6 to 10°C		
Room Air Temperature Control					10 to 30°C	
Probe Test Facility				•		
Power Reserve			4 hours	3 hours	4 hours	4 hours
Cable Connection	1.5 – 2.5mm² Flexible Cable	•	•	•	•	•
Conforms to Directives	73/23/EEC	•	•	•	•	•
	89/336/EEC	•	•	•	•	•
Dimensions (mm)	Height	74	84	97	84	85
	Width	74	84	145	84	85
	Depth	28	28	30	21	23

Note: TPT range of thermostats fit onto a standard single gang wall box 35mm deep. RAMSES 818 top and RAMSES 714 A fit onto standard single gang wall boxes 35mm deep. (RAMSES 714 A requires adaptor. Part No. 907.0.212)
All controllers are supplied with a 4 metre flying lead temperature probe.

See pages 71 – 72 for Product Information

		RAMSES 701	RAMSES 705	RAMSES 721	RAMSES 801 top RAMSES 811 top	RAMSES 812 top
Timer Mode				24 Hour Analogue	24 Hour/7 Day	24 Hour/7 Day
Setting Type		Dial	Dial	Tappets	Digital	Digital
Voltage Free Contacts	Single Pole Changeover	ON/OFF	ON/OFF	ON/OFF	•	•
Operating Voltage	230V AC	•	•	•	2 x AA batteries	•
Power Reserve	5 hours rechargeable					•
Switch Rating 230V AC	6A Resistive	10A	10A	•	•	•
	1A Inductive	4A	4A	•	•	•
Control Temperature Range		5 to 30°C	5 to 30°C	10 to 30°C	6 to 30°C	6 to 30°C
Frostat Temperature Range					6 to 10°C	6 to 10°C
Conforms to Directives	73/23/EEC	•	•	•	•	•
	89/336/EEC	•	•	•	•	•
Dimensions (mm)	Height	74	74	90	97	97
	Width	74	74	150	145	145
	Depth	28	28	35	30	30

Note: RAMSES 701 & 705 fit a standard single gang wall box (35mm deep) with adaptor plate Part No. 907.0.480.

Specifications

See page 73
for Product Information

OPEN THERM CONTROLLERS		RAMSES 786 OT	RAMSES 850 OT
Timer Mode		24 Hour/7 Day	24 Hour/7 Day
Setting Type		Tappets	Digital
Supply and data transfer by 2 wire extra low voltage Open Therm bus		•	•
Control Temperature Range	Heating	6 – 26°C	6 – 30°C
	Water	10 – 70°C	10 – 70°C
Rechargeable Power Reserve		150 hours	4 hours
Conforms to Directives	73/23/EEC	•	•
	89/336/EEC	•	•
Dimensions (mm)	Height	90	97
	Width	150	145
	Depth	35	30

See page 74
for Product Information

		TR038	TR039
Timer Mode		24 Hour / 7 Day	24 Hour / 7 Day
Setting Type		Digital	Digital
Mains Linked Contacts	Single Pole Changeover	3	4
Operating Voltage	230V AC	•	•
Power Reserve	10 Years Li Py	•	•
Switch Rating 230V AC	3A Resistive	•	•
	1A Inductive	•	•
Operating Temperature Range	0 to 40°C	•	•
Conforms to Directives	73/23/EEC	•	•
	89/336/EEC	•	•
Dimensions (mm)	Height	100	100
	Width	147	147
	Depth	37	37

Every effort has been made to ensure that the contents of this catalogue were accurate and up to date at time of going to press.
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