SMITHS
Technology you can depend on

PRODUCT CATALOGUE

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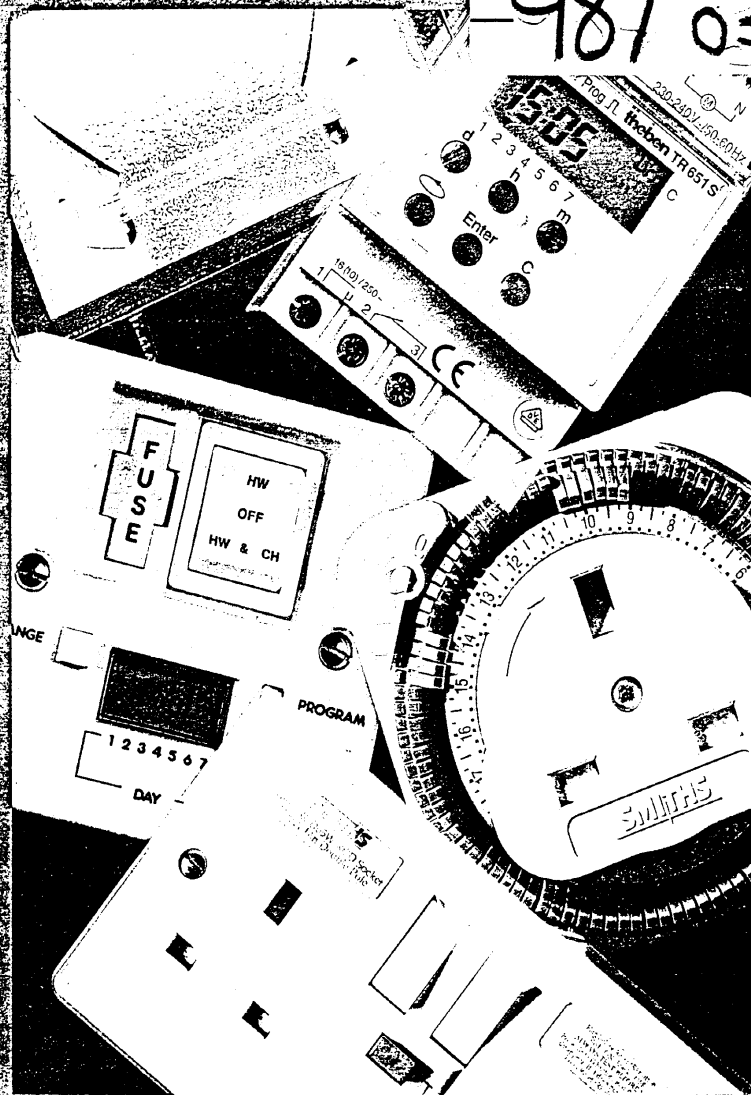
SECURITY

ECONOMY

PROTECTION

TIME GUARD

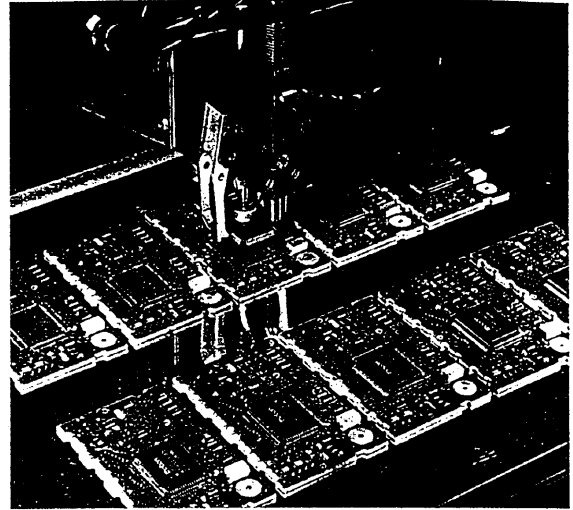**SECURITY** **ECONOMY** **PROTECTION**

Leaders in Time Technology

Our 1997/98 product catalogue includes the market leading Smiths range of timeswitches and other electrical products for security, economy and protection in domestic, commercial and industrial premises.
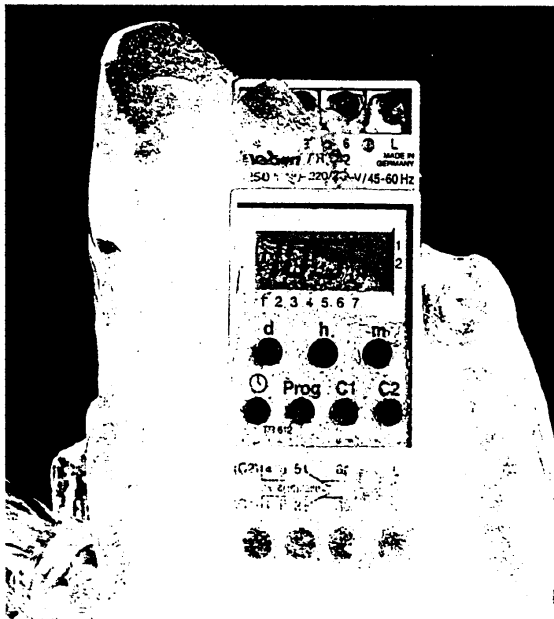
It is Timeguard's policy to remain at the forefront of technology and to produce a steady stream of new innovative high quality products. This year's catalogue once again contains a number of new items including RCD protected socket outlets and connection units, the ProgramaSTAT range of heating controllers with built-in room thermostat, surge protection units and night lights.

As part of the Theben Group of companies our UK development team is now further strengthened by group research and development facilities in Germany and several new products are included in the Theben range of DIN rail mounted timeswitches. The European practice of installing timeswitches and dusk-to-dawn controllers within the consumer unit is now becoming commonplace in the United Kingdom as we move further towards EU integration and Theben is the leading supplier in this field.

Our comprehensive product range includes consumer products suitable for DIY use which are available through multiple high street

The owl engages small soft wing feather fringes to suppress the noise of it's wing beat to pounce silently on it's prey. Perfect timing of the strike is essential. One of natures natural time controllers.

TIME GUARD
LIMITED

ction

electrical, catalogue and DIY retailers, as well as hardware and independent outlets. Products that are suitable only for professional installation are included in our Trade range available exclusively through electrical wholesalers and heating/plumbing merchants.

As a BSI Registered Firm our products are designed and built to UK and European standards and carry the CE mark to show

compliance with current safety and EMC regulations. All products are barcoded to assist computerised distrubution and are covered by a three year guarantee for Consumer products and a five year guarantee for Trade products. This confidence in the inherent reliability and quality of our products is enhanced by our commitment to provide the highest possible customer service levels and by our strong partnerships with the finest Distributors
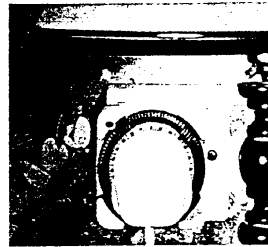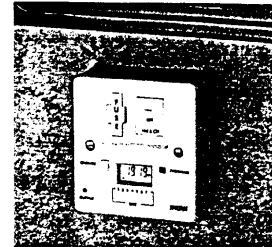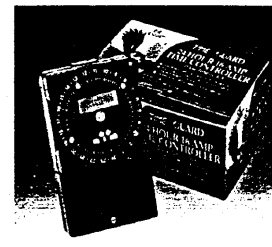
Contents

TS800/820   TS830/840   TS900
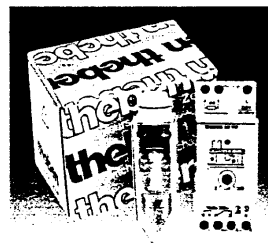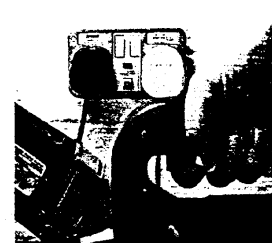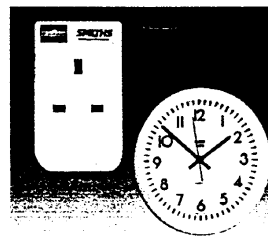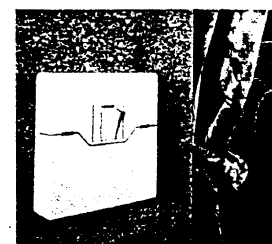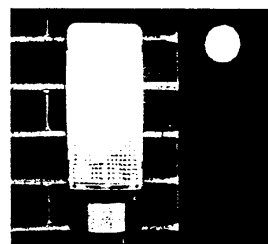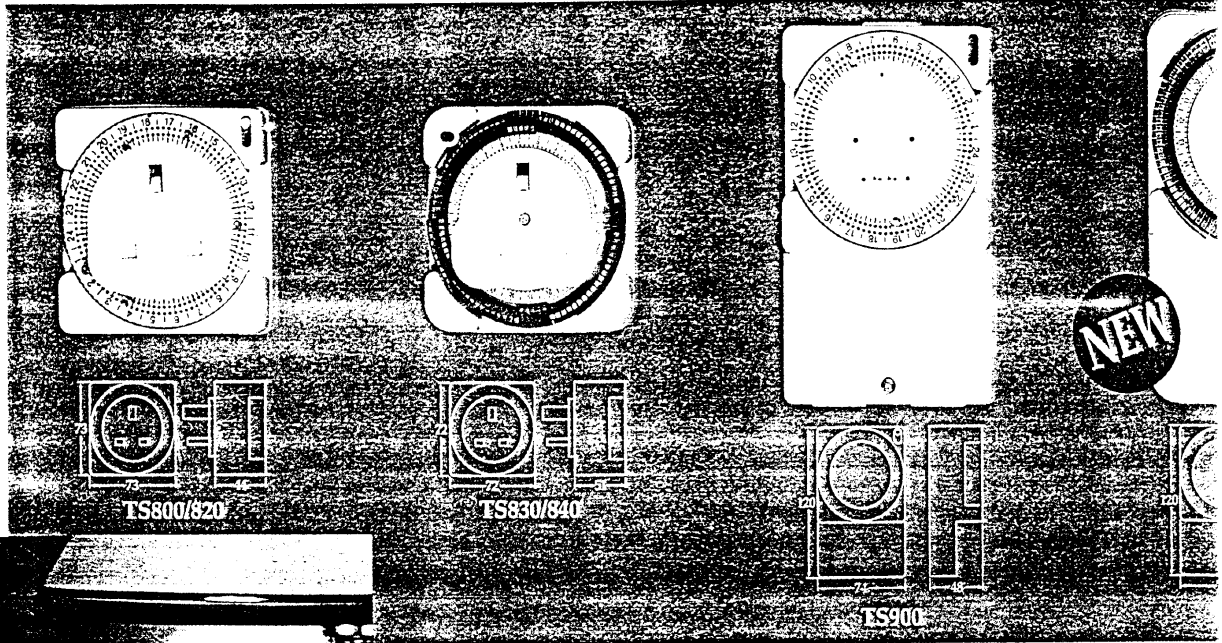
An unrivalled range of time controllers for economy and security applications. Plug-in control for all 13 amp appliances and lamps.

TS800 24 Hour Plug-In Time Controller

The TS800 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.

Benefits
- Plug-in control for all 13 amp appliances & lamps.
- Switches appliances ON and OFF at preset times.
- Easy to use setting pins.
- 30 minute minimum switching interval which can be increased in 15 minute steps.
- Controls plug-in electrical appliances up to 3kW.

TS820 7 Day Plug-In Time Controller

The TS820 has all the features and benefits of the TS800 plus the switching patterns vary from day to day over the period of a week with a 4 hour minimum switching interval which can be increased in 2 hour steps.

TS880 Plug-In Time Controller Twin Pack

The popular TS800 24 hour plug-in time controller is also available in a special value twin-pack.

TS860 Plug-In Segment Time Controller Twin Pack

TS830 24 Hour 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 switchings per day.

Benefits
- Easy to use segment setting dial.
- Simple to programme and operate.
- Plug-in control for all 13 amp appliances & lamps.
- Manual override.
- 15 minute minimum switching interval which can be increased in 15 minute steps.
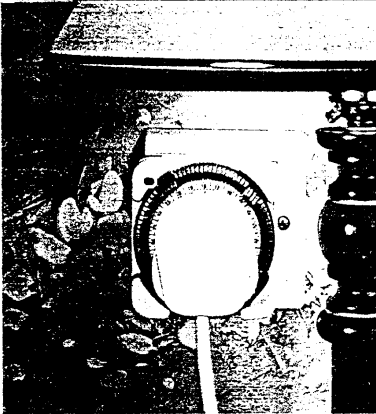- Controls plug-in electrical appliances up to 3kW.

TS840 7 Day Segment Time Controller

The TS840 has all the features and benefits of the TS830 plus the switching patterns vary from day to day over the period of a week, with a maximum of 84 switchings per week and 2 hour minimum switching intervals which can be increased in 2 hour steps.

TS900 24 Hour Immersion Heater Time Controller

Economical and convenient the TS900 has been specially designed for installation with both new and existing immersion heater systems. Incorporating ON/OFF switching programmes plus manual override for instant on/off switching.

Benefits
- 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.
- Integral thermal fuse for extra protection.

TS930 24 Hour Segment Immersion Heater Time Controller

The TS930 has all the features and benefits of the TS900 time controller plus an easy setting captive segment setting dial and a 15 minute minimum switching interval which can be increased in 15 minute steps.

SPECIFICATIONS		TS800	TS820	TS830	TS840	TS900	TS930
Timer Mode	24 Hour	●		●		●	●
	7 Day		●		●		
Setting Type	Pins	●	●			●	
	Segments			●	●		●
Operating Voltage	220 - 240V AC 50 Hz	●	●	●	●	●	●
Switch Rating 240V AC	13 amp Resistive (3kW)	●	●	●	●		
	5 amp Inductive	●	●	●	●	●	●
Operating Temperature	0 - 40 °C	●	●	●	●		
	0 - 50 °C					●	●
Conforms To Directives	73/23/EEC	●	●	●	●	●	●
	89/336/EEC	●	●	●	●		
	Height	73	73	72	72	120	120

ETU11/17   TM220

ETU1000/7000   930
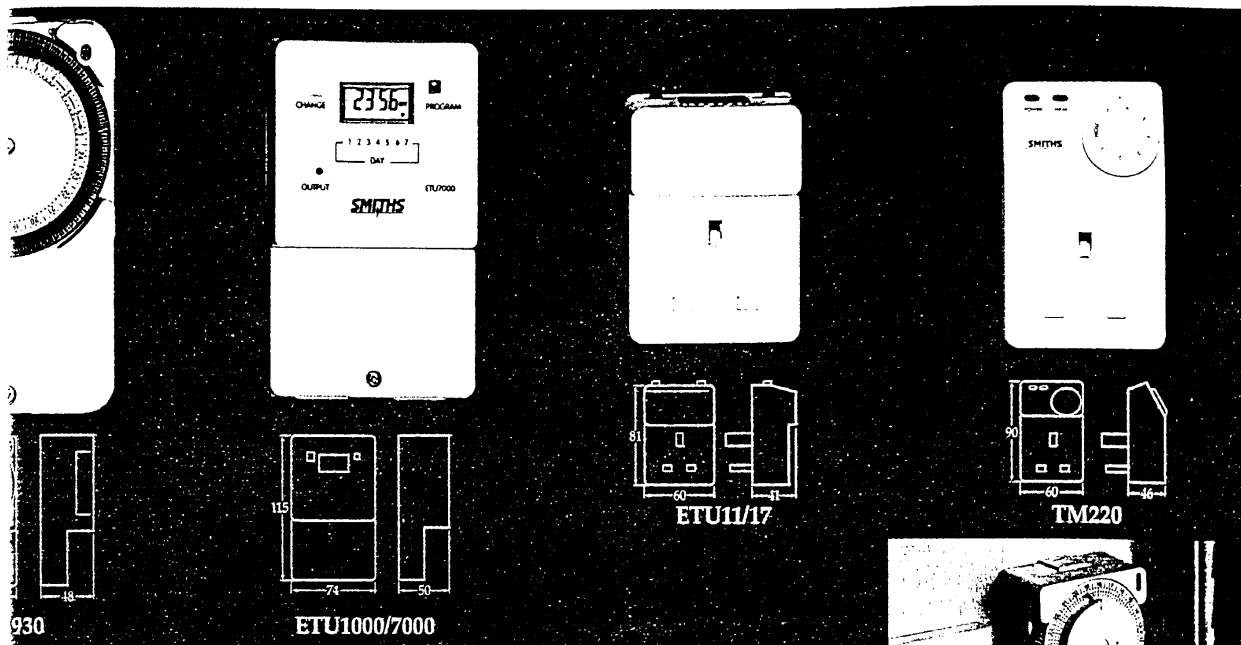
Electronic accuracy from a range of digital time controllers for plug-in and wired in applications including immersion heaters and domestic appliances.

ETU1000 24 Hour Electronic Immersion Heater Timeswitch

The ETU1000 provides economical and convenient control of immersion heater systems. Easily programmable with Smiths two button system and an easy to read digital display.

Benefits
- Switches ON & OFF up to 4 times per day.
- 1 or 2 hour boost facility.
- Shortest switching time 1 minute.
- Self-cancelling override for instant ON/OFF control.
- 1000 hours rechargeable memory back-up.
- Integral thermal fuse for extra protection.

ETU7000 7 Day Electronic Immersion Heater Timeswitch

The ETU7000 has all the features and benefits (except boost) of the ETU1000 plus individual day, everyday, every weekday or weekend programme selections for six programmes.

ETU11 24 Hour Digital Plug-In Time Controller

The ETU11 multi-functional timer plugs straight into the wall socket for instant digital control of all 13 amp appliances and lamps. Random feature makes your home or premises appear occupied.

Benefits
- Display on top side 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.
- Self-cancelling override for instant ON/OFF control.
- Optional random switching facility.
- 1000 hours rechargeable memory back-up.
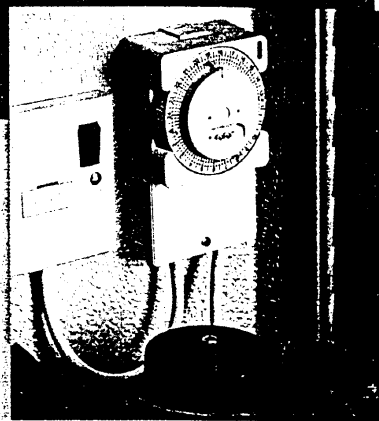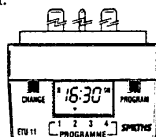
ETU17 7 Day Digital Plug-In Time Controller

The ETU17 has all the features and benefits of the ETU11 plus individual day, every day, every weekday or weekend programme selections. Six programmes are available which if selected to operate over all 7 days give 42 switchings per week.

TM220 Plug-In Thermostat

The TM220 provides reliable temperature control when used with plug-in electrically run heaters. Fully adjustable temperature settings help create a comfortable environment and maximise energy savings from heaters without thermostatic control. A special "Frostguard" control protects homes in freezing conditions.

Benefits
- Automatically switches off once the required temperature is reached.
- For use with electric fires, radiant & convector heaters and oil filled radiators.
- Frostguard helps protect against freezing water pipes during winter months by maintaining a temp of approx 5°C within the house.

SPECIFICATIONS		ETU11	ETU17	ETU1000	ETU7000	TM220
Timer Mode	24 Hour	●		●		
	7 Day		●		●	
Operating Voltage	220 - 240V AC 50 Hz	●	●	●	●	●
Switch Rating 240V AC	13 amp Resistive (3kW)	●	●	●	●	●
	6 amp Inductive	●	●	●	●	
Operating Temperature	-10 to 40 °C	●	●			
	-10 to 50 °C			●	●	
Temperature Range	5°C to 35°C (control)					●
Battery	Factory fitted, rechargeable, 1000 hours back-up	●	●	●	●	
Cable Connection	Flexible cable of 1.5mm² to 2.5mm² conductor size. Heat resistant HOFR type.			●	●	
Conforms To Directives	73/23/EEC	●	●	●	●	●
	89/336/EEC	●	●	●	●	●
Height		81	81	115	115	90

*Supply*MASTER

FST11/17

CHP11/17

FHP11/17
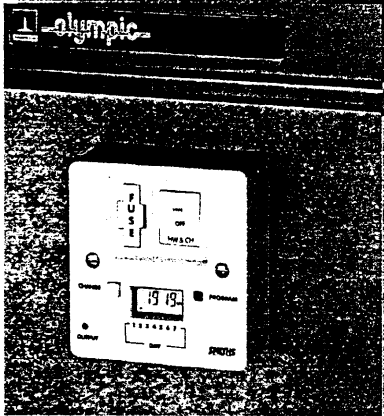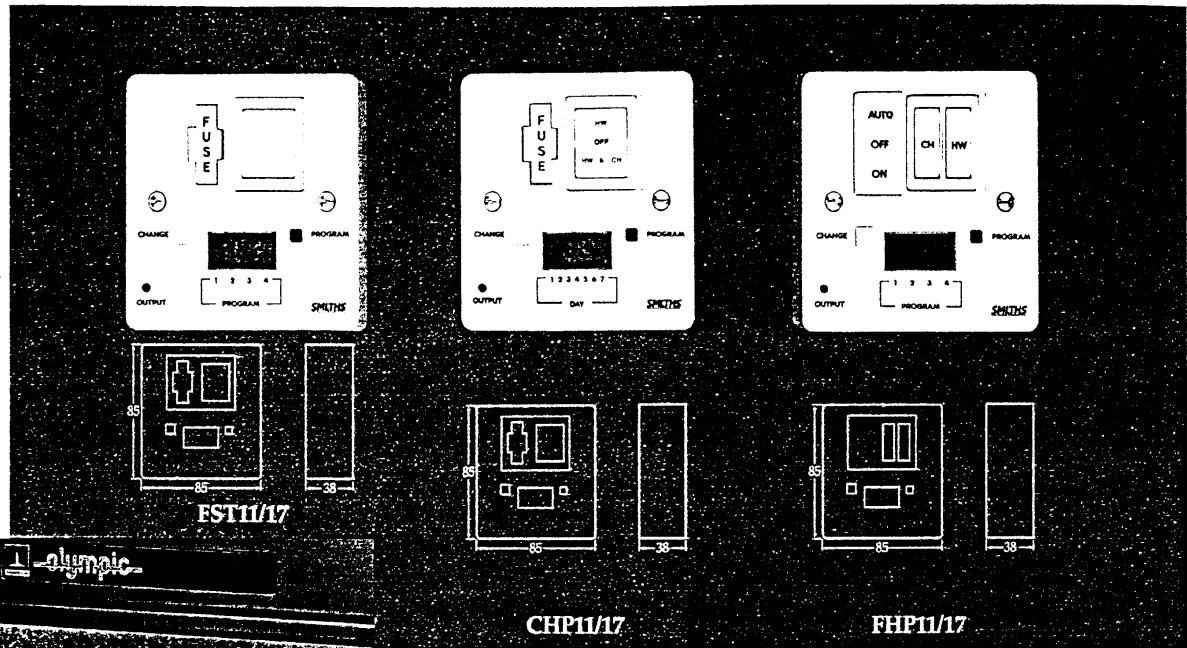
A quality selection of time controllers and heating programmers for combination boilers, storage heaters, convector heaters, water heaters and central heating systems.

CHP17 SupplyMaster 7 Day Mini Programmer

The CHP17 has all the features and benefits of the CHP11, plus individual day, everyday, every weekday or weekend programme selection with a total of 6 programmes.

FHP17 SupplyMaster 7 Day Full Heating Programmer

The FHP 17 has all the features and benefits of the FHP11 plus individual day, everyday, every weekday or weekend programme selection with a total of 6 programmes.

FST11 SupplyMaster 24 Hour Fused Spur Timeswitch

The FST11 is a 24 hour fused spur timeswitch for controlling combination boilers, storage heaters, convector heaters and water heaters.

Benefits
- *Up to 4 ON/OFF programmes per day.*
- *Switched and switched/timed outputs.*
- *Simple two button programming.*
- *Self-cancelling override.*
- *Integral double pole switch and BS1362 fuse.*
- *Shortest switching time 1 minute.*
- *1000 hours rechargeable memory back up.*
- *Voltage free contacts.*

FST17 SupplyMaster 7 Day Fused Spur Timeswitch

The FST17 has all the features and benefits of the FST11 above, plus individual day, everyday, every weekday or weekend programme selections. Six programmes are available which if selected to operate over all 7 days give 42 switchings per week.

CHP11 SupplyMaster 24 Hour Mini Programmer

The CHP11 electronic mini programmer is suitable for fully pumped or gravity fed central heating systems.

Benefits
- *Up to 4 ON/OFF programmes per day.*
- *Self cancelling override.*
- *Integral double pole switch and BS1362 fuse.*

FHP11 SupplyMaster 24 Hour Full Heating Programmer

The FHP11 gives independent control of heating & hot water and is suitable for fully pumped heating systems. For gravity systems use CHP11/CHP17.

Benefits
- *Separate ON/OFF/timed control for heating and hot water.*
- *Up to 4 ON/OFF programmes per day.*
- *Self-cancelling override.*
- *1000 hours rechargeable memory back up.*
- *Shortest switching time 1 minute.*
- *Fits onto a single gang wall box 25mm deep.*

FST11/17

CHP11/17

FHP11/17

SPECIFICATIONS		FST11	FST17	CHP11	CHP17	FHP11	FHP17
Timer Mode	24 Hour	●		●		●	
	7 Day		●		●		●
Voltage Free Contacts	Single pole ON/OFF	●	●				
Operating Voltage	220 - 240V AC 50 Hz	●	●	●	●	●	●
	13 amp Resistive (3kW)	●	●				
Switch Rating 240V AC	3 amp Inductive			●	●	●	●
	6 amp Inductive	●	●				
Operating Temperature	-10 to 40 °C	●	●	●	●	●	●
Battery	Factory fitted, rechargeable, 1000 hours back-up	●	●	●	●	●	●
Integral BS1362 Fuse & DP Switch		●	●	●	●		
Conforms To Directives	73/23/EEC	●	●	●	●	●	●
	89/336/EEC	●	●	●	●	●	●
	Height	85	85	85	85	85	85

ProgramaSTAT

PRT11/17

Voltage Free NO Contacts
(NO = normally open contacts)

Supply

Combi Boiler
(Typical application)

Conventional control systems for wet central heating systems include a programmer or timeswitch, a room thermostat and a froststat. The modern approach is to combine the timeswitch and room thermostat into a digital programmable thermostat which sets different temperatures at different times of the day or night. These are expensive and the concept has yet to become established despite the clear benefit of providing full control of the heating system from the living room.

ProgramaSTAT is the definitive solution to heating control, combining all three elements of timeswitch, room thermostat and froststat into a single, compact unit designed to be mounted in the living room. Costing less than the three individual components, ProgramaSTAT works like a conventional control system turning the heating on and off when required. All of the programming controls are hidden behind the hinged cover so that the unit is simple and stylish in design and easy to operate on a day to day basis. The integral electronic thermostat gives precise temperature control and automatic protection from freezing. The only other visible control is the ON/OFF advance button which overrides the digital timeswitch when required. ProgramaSTAT is easy to install in new or replacement heating systems and costs less than conventional controls. It is uncomplicated, compact and stylish in appearance for use in any home.

ProgramaSTAT utilises Smiths highly successful microprocessor based digital timeswitches and is available in 24 hour (4 ON/OFF commands per day) or 7 day (up to 42 ON/OFF commands per week) versions each with 1000 hours rechargeable battery reserve to maintain programming in the event of mains power failures. As part of the Trade range the products are covered by a five year guarantee.
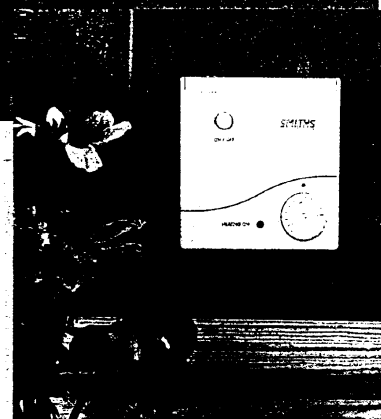
PRT11 ProgramaSTAT 24 Hour

A programmable thermostat giving both time and temperature control for heating of a room, apartment or house. It can be used without additional components to fully control combination boilers. It incorporates "Frost Stat" protection in both programmed OFF periods and when set to permanent OFF for holidays.

Benefits
- Full heating control from living rooms.
- "Frost Stat" protection.
- Permanent ON, permanent OFF or timed selection.
- Electronic temperature control (analogue adjustment).
- Up to 4 ON/OFF programmes per day.
- Shortest switching time 1 minute.
- 1000 hours rechargeable memory back up.
- Voltage free contacts.

PRT17 ProgramaSTAT 7 Day

The PRT17 has all the features and benefits of the PRT11 above plus individual day, everyday, every weekday or weekend programme selection with a total of 6 programme allocations.
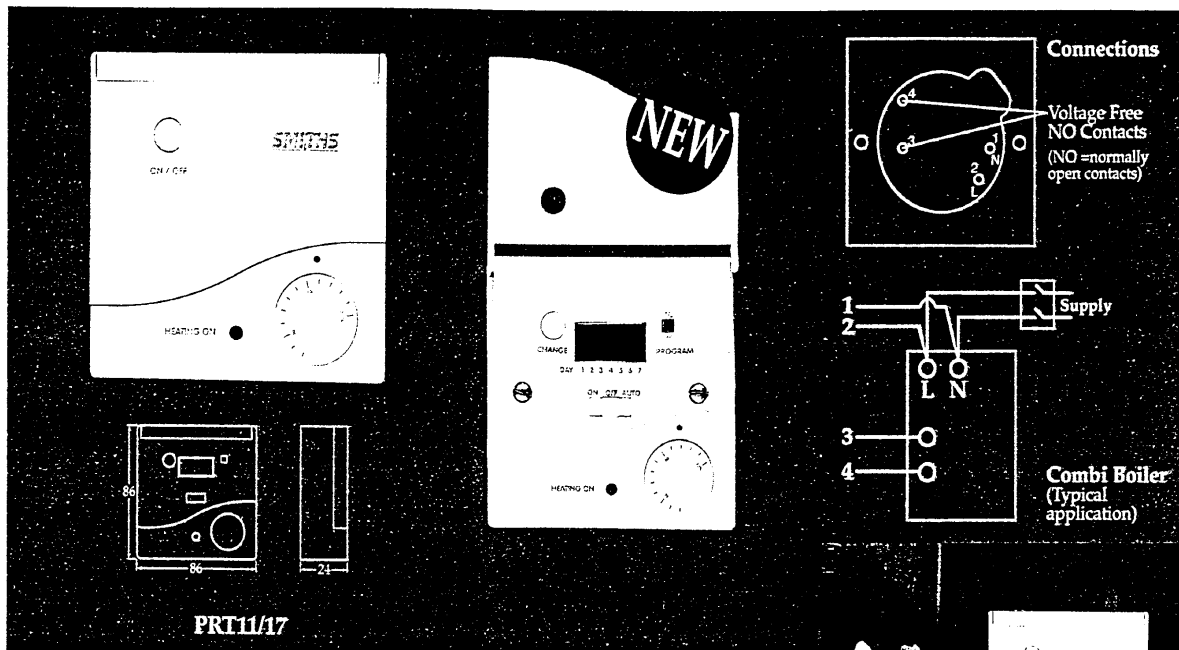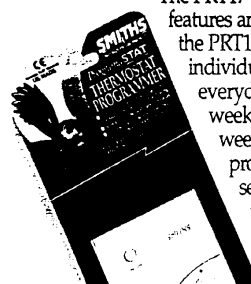
SPECIFICATIONS		PRT11	PRT17
Timer Mode	24 Hour	●	
	7 Day		●
Voltage Free Contacts	Single pole ON/OFF	●	●
Operating Voltage	220 - 240V AC 50 Hz	●	●
Switch Rating 240V AC	3 amp Inductive	●	●
Operating Temperature	-10 to 40 ℃	●	●
Battery	Factory fitted, rechargeable, 1000 hours back-up	●	●
Conforms To Directives	73/23/EEC	●	●
	89/336/EEC	●	●
Dimensions (mm)	Height	86	86
	Width	86	86

TS305/225/204   TS935   E169S   E269H/E289H

The 16 & 20 amp electro mechanical time controllers are the perfect solution for controlling water and space heating appliances plus industrial equipment and machinery.

TS305 24 Hour 16 Amp Electro Mechanical Time Controller

The TS305 features easy to use setting pins and will repeat the same switching pattern over each 24 hour period with a maximum of 48 switchings per day. It is suitable for all electrical equipment up to 16 amp resistive load.

Benefits
- Synchronous motor driven.
- Easy to use setting pins.
- Supplied with mounting plate & screws for installation to BS wall boxes.
- 30 minute minimum switching interval which can be increased in 15 minute steps.
- Controls electrical equipment up to 3.8kW.

TS225 7 Day 16 Amp Electro Mechanical Time Controller

The TS225 shares all the benefits of the TS305 plus 7 day programming with a 4 hour minimum switching interval which can be increased in 2 hour steps.

TS204 24 Hour 16 Amp Electro Mechanical Time Controller

The TS204 has all the features and benefits of the TS305 above plus voltage free contacts for switching voltages other than the mains.

TS935 24 Hour 16 Amp Electro Mechanical Time Controller

The TS935 shares all the benefits of the TS305 but is surface mounted for use with either surface or concealed wiring.

E169S 24 Hour 20 Amp Electro Mechanical Time Controller

The E169S plug-in base surface mount electro-mechanical timer with time display will control all electrical equipment up to 20A resistive. Easily set by the captive segment setting dial, the unit has a maximum of 96 switchings per day.

Benefits
- 72 x 72mm plug-in base surface mount.
- Synchronous motor driven.
- Time display for ease of operation.
- Simple to operate segment setting.
- Manual override.
- Permanent ON/OFF.
- 15 minute minimum switching interval which can be increased in 15 minute steps.
- Tamper proof transparent cover.
- Controls electrical appliances up to 4.8kW.
- 12 amp inductive rating.

E269H 24 Hour 7 Day 20 Amp Electro Mechanical Time Controller

The E269H surface mount timeswitch features a changeover dial to allow either 24 hour or 7 day programmes. Colour coded switching tappets and time display make it easy to programme and operate.

Benefits
- Changeover dial allows 24 hour or 7 day operation.
- Manual override & 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).
- 12 amp inductive rating.

E289H 24 Hour 7 Day 20 Amp Time Controller with Power Reserve

The E289H has all the features and benefits of the E269H plus a quartz motor with 150 hour power reserve facility in case of power failure.

SPECIFICATIONS		TS204	TS225	TS305	TS935	E169S	E269H	E289H
Timer Mode	24 Hour	●		●	●	●	●	●
	7 Day		●				●	●
	Pins	●	●	●	●			
Setting Type	Segment					●		
	Tappets						●	●
Voltage Free Contacts	ON/OFF	●					●	●
Operating Voltage	220 - 240V AC 50 Hz	●	●	●	●	●	●	●
Power Reserve	150 Hours Approx.							●
Contact Rating 240V AC	16 amp Resistive (3.8kW)	●	●	●	●			
	20 amp Resistive (4.8kW)					●	●	●
	12 amp Inductive					●	●	●
	5 amp Inductive	●	●	●	●			
Operating Temperature	-10 to 40 °C	●	●	●	●	●	●	●
Conforms To Directives	73/23/EEC	●	●	●	●	●	●	●
	89/336/EEC							

Controllers

EL7D/EL7D20   **EL7D2**   **ELU24**   **ELU56**

Digital programming gives instant versatility to this comprehensive range of 16 & 20 amp surface mounted electronic time controllers. All models are supplied with a transparent cover discouraging tamper and reducing dust ingress.

EL7D 7 Day Electronic Time Controller

The EL7D digital time controller features 7 day programme selections plus holiday suspension of programmes. Easy to use 6 button programming and 1000 hours memory back-up allow ultimate control.

Benefits
- *72 x 72mm plug-in base surface mount.*
- *21 ON/OFF commands per week.*
- *Shortest switching time 1 minute.*
- *Manual override & permanent ON/OFF.*
- *ON/OFF times may be repeated over a number of days without using extra memory locations.*
- *1000 hours rechargeable memory back-up.*
- *20 amp version also available, see chart below*

Part No: EL7D20
- *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*

EL7D2 7 Day 2 Channel Electronic Time Controller

The EL7D2 twin channel 7 day time controller allows complete control of 2 separate appliances. With everyday programming, the unit has 168 switchings per week.

Benefits
- *72 x 72mm plug-in base surface mount.*
- *2 channels with 24 memory locations.*
- *ON/OFF times may be repeated over a number of days without using extra memory locations.*
- *Shortest switching time 1 minute.*
- *Manual override & permanent ON/OFF.*
- *250 hours rechargeable memory back-up.*
- *Holiday suspension of programmes*

All "E" range timeswitches can be easily mounted in a 68mm square panel hole with the aid of mounting bracket AK305. They can also be mounted on DIN rail using adaptor 907-0-071.

ELU24 24 Hour Electronic Time Controller

The ELU24 electronic time controller offers digital control of all appliances up to 16 amps. The unit will repeat 4 ON/OFF switching commands over each 24 hour period, and features programme suspension and self-cancelling override for extra versatility.

Benefits
- *72 x 72mm plug-in base surface mount.*
- *8 memory locations - 4 ON/OFF commands every 24 hours.*
- *Self-cancelling override.*
- *Shortest switching time 1 minute.*
- *Programme suspension.*
- *Programme setting and review.*
- *4 setting buttons.*
- *Tamper proof transparent cover.*
- *1000 hours rechargeable memory back-up.*

ELU56 7 Day Electronic Time Controller

The ELU56 has all the features and benefits of the ELU24 plus 7 day programme selections allowing up to 56 different ON/OFF operations per week (8 for each day). Memory back-up protects the programme selection against power failure for up to 1000 hours.

SPARES AND ACCESSORIES

Part No.	Description
374-135	Aluminium setting pin.
67-080-31	Aluminium setting pin for TS800, TS820 and TS900
3-43-235	White switching tappet for E269 & E289.
3-43-237	Blue switching tappet for E269 & E289.
3-43-236	Red switching tappet for E269 & E289.
AK300	Surface mounting wall box kit for TS204, TS225, TS305.
AK302	Panel mounting bracket for TS204, TS225, TS305

SPECIFICATIONS		ELU24	ELU56	EL7D	EL7D2	EL7D20
Timer Mode	24 Hour	●				
	7 Day		●	●	●	●
Voltage Free Contacts	Changeover	●	●	●	●	ON/OFF
Operating Voltage	240V AC 50 Hz	●	●	●	●	●
	16 amp Resistive (3.8kW)	●	●	●		
	20 amp Resistive (4.8 kW)					●
Contact Rating 240V AC	2 x 6 amp Resistive				●	
	2 x 2 amp inductive				●	
	6 amp Inductive	●	●	●		
	8 amp Inductive					●
Operating Temperature	-10 to 40 °C	●	●	●	●	●
Battery	Factory Fitted, rechargeable, 1000 hours back-up	●	●	●	250 hr	●
Conforms To Directives	73/23/EEC	●	●	●	●	●
	89/336/EEC	●	●	●	●	●

TR608 TR610S SYN160 SYN161 ELPA 8 MEM198 TR651
TR611S SUL180 SUL181   SUL188
TR612S

A range of timeswitches for distribution panel mounting which can also be wall mounted using optional kits to cover terminals.

TR608 1 Channel

A 17.5mm (1 module) wide digital 24 hour/7 day 10A timeswitch.

Benefits
- *Slimline unit.*
- *4 ON/OFF programmes.*
- *78 hours power reserve.*
- *24 hour/7 day or several day "free block" programming.*
- *Holiday omit for up to 45 day holidays.*
- *Easy to programme.*
- *Override to next programme.*
- *Permanent ON/OFF switching.*
- *Surface Mount Kit Part No. 907.0.065*

TR610S 1 Channel

A 35mm (2 module) wide digital 24 hour/7 day 16A timeswitch with preset UK time and automatic summer/winter changeover suitable for UK, European or USA standards.

Benefits
- *Ease of setting up & ease of use.*
- *Integral Lithium cell power reserve with 6 years life.*
- *7 ON/OFF programmes.*
- *24 hour/7 day or several day "free block" programming.*
- *Holiday omit for up to 99 day holidays.*
- *Easy to programme.*
- *Override to next programme.*
- *Permanent ON/OFF switching.*
- *Surface Mount Kit Part No. 907.0.064*

TR611S 1 Channel

The TR611S has all the features and benefits of the TR610S above but with 18 ON/OFF programmes plus a random switching programme for security purposes. TR611S

TR612S 2 Channel

The TR612S has all the features and benefits of the TR610S but is a 2 channel timeswitch with 18 ON/OFF programmes which can be distributed as required over the 2 channels.

SYN160 Segment

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

Benefits
- *Slimline unit.*
- *15 minute minimum switching interval which can be increased in 15 minute steps, up to 96 ON/OFF's per day.*
- *Permanent ON switch.*
- *Captive easy to use segment setting.*
- *Surface Mount Kit Part No. 907.0.065*

SUL180 Segment

The SUL180 has all the features and benefits of the SYN160 plus 100 hours power reserve.

SYN161 Segment

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

Benefits
- *30 minute minimum switching interval which can be increased in 30 minute steps, up to 48 ON/OFF's per day.*
- *Manual override switch to next programme.*
- *Permanent ON/OFF switch.*
- *Summer/winter changeover switch.*
- *Surface Mount Kit Part No. 907.0.061*

SUL181 Segment

The SUL181 has all the features and benefits of the SYN161 plus 150 hours power reserve.

ELPA 8 Staircase Switch

The ELPA 8 is 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 2000W of incandescent or

MEM198 7 Day Tappet with Power Reserve

A 52.5mm (3 module) wide 7 day tappet controlled 16A timeswitch with 150 hour power reserve.

Benefits
- *4 hour switching minimum interval which can be increased in 1 hour steps.*
- *Manual override switch to next programme.*
- *Permanent ON/OFF switch.*
- *Summer/winter changeover switch.*
- *Surface Mount Kit Part No. 907.0.061*

SUL188 24 Hr Tappet with Power Reserve

The SUL188 has all the benefits (except 7 day operation) of the MEM198 plus a minimum switching time of 30 minutes which can be increased in 15 minute steps.

TR651 1 Channel Pulse

A 52.5mm (3 module) wide digital 24 hour/7 day timeswitch with pulse signal for controlling school/factory bells etc.

Benefits
- *70 ON/OFF programmes (140 in pulse).*
- *Pulse programme from 1-59 seconds.*
- *1 minute/1 second switching intervals.*
- *Manual override to next programme.*
- *Permanent ON/OFF switch.*
- *Automatic summer/winter changeover.*
- *1000 hours rechargeable battery back-up.*
- *Surface Mount Kit Part No. 907.0.050*

LU116 Luna (Surface Mount Only)

Luna dusk-to-dawn switches for the control of external or display lighting systems. The LU116 is a surface mount switch with integrated light sensor.
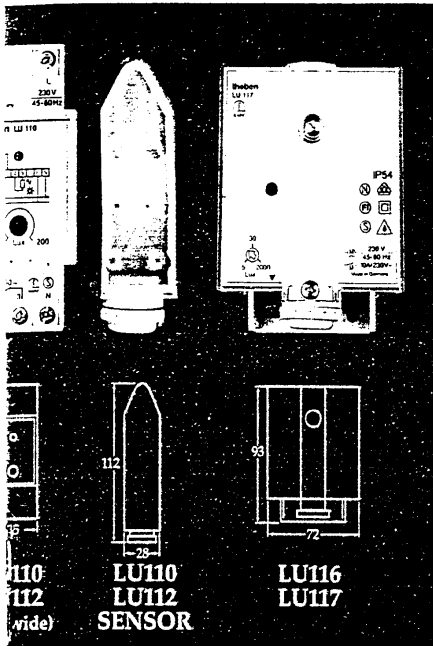
Benefits
- *Adjustable brightness between 5 and 2000 Lux.*
- *10 amp switching capacity.*
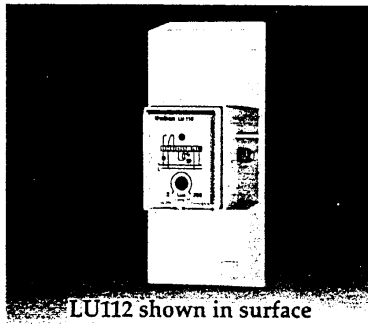
LU117 Luna (Surface Mount Only)

MEU11/17

PB05

EL11/17 & EMU11/17

LU110 LU112 (wide)

LU110 LU112 SENSOR

LU116 LU117

LU112 shown in surface mount box 907.0.050

An excellent range of electronic timer modules for enclosed surface and panel mounting. They all include a 1000 hour memory back-up.

LU110 Luna

Luna dusk-to-dawn switches are for the control of external or display lighting systems. The LU110 is a 35mm (2 module) wide switch and comes with seperate surface mount light sensor.

Benefits
- Adjustable brightness between 2 and 200 Lux.
- 40 second built-in delay to prevent nuisance switching.
- 10 amp switching capacity.
- Surface Mount Kit Part No. 907.0.064
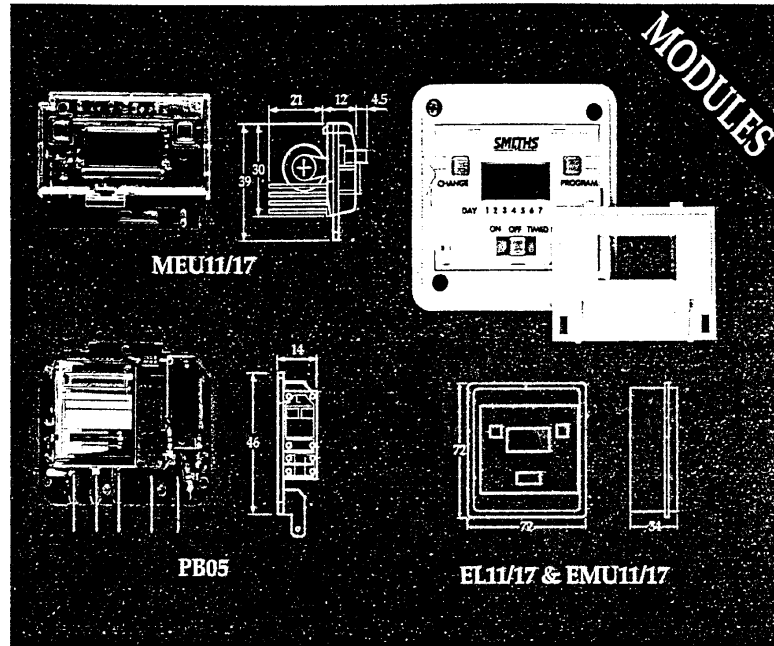- Surface Mount Light Sensor (spare) Part No. 907.0.008

LU112 Luna

The LU112 is a 52.5mm (3 module) wide Luna dusk-to-dawn switch has all the features and benefits of the LU110 above with a brightness range switch to select: Range 1 = 2-35 Lux; Range 2 = 35-2000 Lux. The unit comes with a separate surface mount light sensor.

- Surface Mount Kit Part No. 907.0.050
- Surface Mount Light Sensor (spare) Part No. 907.0.008

Note: Units with voltage free single pole change-over contacts:- TR608 - 10(4)A; SYN161, SUL181, MEM198, SUL188 - 16(2)A; TR610S, TR611S, TR612S, TR651 - 16(10)A; LU110, LU112 - 10(6)A (1000W filament lamps, 200W parallel compensated fluorescents, 800W series compensated/uncompensated fluorescents. Not suitable for discharge lighting).

Units with voltage free single pole ON/OFF contacts:- SYN160, SUL180, - 16(4)A. Units with dedicated lighting contacts:- ELPA8 - 16A (2000W of filament or fluorescent lighting). LU116, LU117 - 10(6)A (1500W filament lamps, 300W parallel

MEU11/EMU11 PanelMaster 24 Hour Electronic Timer Module

The MEU11 is 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. Typical power supply arrangements given in the instructions. The EMU11 is a MEU11 housed in an easy fit panel mount case giving permanent ON/permanent OFF/timed selection. It can also be mounted in an enclosure or cubicle.

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

MEU17/EMU17 PanelMaster 7 Day Electronic Timer Module

The MEU17/EMU17 has all the features and benefits of the MEU11/EMU11 above plus individual day, everyday, every weekday or weekend programme selection with a total of 6 programmes.

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 220 - 240V 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. 1 year warranty only.

EL11 PanelMaster 24 Hr 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.

EL17 PanelMaster 7 Day Timeswitch

The EL17 has all the features of the EL11 plus individual day, every day, every weekday or weekend programme selection with a total of 6 programmes.
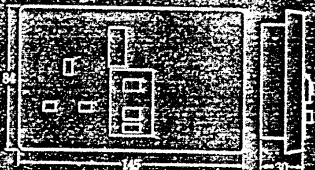
SPECIFICATIONS		EL11	EL17	MEU11/EMU11	MEU/EMU17	PB05
Timer Mode	24 Hour	●		●		
	7 Day		●		●	
Voltage Free Contacts	Single pole changeover	●	●			●
Operating Voltage	220 - 240V AC 50 Hz	●	●			●
	24V DC and above			●	●	
Switch Rating 240V AC	16 amp Resistive	●	●			●
	6 amp Inductive	●	●			●
Operating Temperature	-10 to 55 ℃			●	●	
	-10 to 40℃	●	●			●
Battery	Factory fitted, rechargeable, 1000 hours back-up	●	●		●	
Conforms To Directives	73/23/EEC	●	●	●*	●*	●*
	89/336/EEC	●	●	●*	●*	●*
	Height	72	72	39/72	39/72	54

RCD01W/RCD02WL

RCD05W/RCD06WL
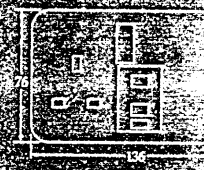
RCD03M/RCD0...

Supplied with a 35mm BS...

A comprehensive range of RCD socket outlets designed to provide protection against the risks of electrocution and fire hazards. Fully conforming to BS7288 and BS1363, they are available in 'latching' versions (suffix L) where power is required to be immediately restored to the appliance/equipment

RCD05W RCD Double White Socket

The RCD05W double socket RDC circuit breaker has all the features and benefits of the RCD01W but provides two socket outlets. Both power outlets are protected, making the unit ideal for multi-product applications eg. computers and printers.

Benefits
- *Eliminates the need for plug in circuit breakers.*
- *Protects appliances from possible fire hazard.*
- *Extra fast action - trips out within 40 milliseconds!*
- *Automatically disconnects both Live and Neutral connections leaving Earth connection intact.*
- *Fully complies with double socket current rating as required by BS1363.*
- *Switched for convenience & extra safety.*

RCD07M RCD Double Metal Socket

The RCD07M circuit breaker has all the features and benefits of the RCD05W double socket unit plus metal construction for strength and longevity.

RCD02WL RCD Single White Latching Socket

The RCD02WL single socket RCD circuit breaker protects the user from electric shock, and will remain latched if the supply is temporarily lost, allowing continuous operation.

Benefits
- *Remains latched when the power supply is temporarily lost.*
- *Essential for applications like freezers.*

RCD01W RCD Single White Socket

The RCD01W is a single socket RCD circuit breaker. It simply replaces an existing double socket and protects the user from electric shock. The unit detects dangerous earth leakages in electrical appliances and disconnects Live and Neutral connections, leaving the Earth connection intact. Simply press the reset button to reconnect the power supply. The white plastic finish is durable and compliments the other power points in the building.

Benefits
- *Eliminates the need for plug in circuit breakers.*
- *Protects appliances from possible fire hazard.*
- *Manual reset.*
- *Extra fast action - trips out within 40 milliseconds!*
- *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.*
- *Switched for convenience & extra safety.*

RCD03M RCD Single Metal Socket

The RCD03M circuit breaker has all the features and benefits of the RCD01W and is of strong metal construction for use in factories and other industrial environments where construction...

SPECIFICATIONS

		RCD01W	RCD02WL	RCD03M	RCD04ML	RCD05W	RCD06WL
Type	Non-Latching	●		●		●	
	Mechanical Latching		●		●		●
Operating Voltage	220 - 240V AC 50 Hz	●	●	●	●	●	●
Current Rating	Fully Complies With BS1363	●	●	●	●	●	●
Rated Trip Current	30mA	●	●	●	●	●	●
Trip Speed	BS 7288 - 40ms	●	●	●	●	●	●
Contact Break	Double Pole	●	●	●	●	●	●
Continues To Protect With	Lost Neutral	●	●	●	●	●	●
	Pulsating DC Earth Fault	●	●	●	●	●	●
Cable Capacity	3 x 2.5mm²	●	●	●	●	●	●
Conforms To Directives	73/23/EEC	●	●	●	●	●	●
	89/336/EEC	●	●	●	●	●	●
Conforms To BS	BS1363, BS7288	●	●	●	●	●	●
Dimensions (mm)	Height	84	84	76	76	84	84
	Width	145	145	136	136	145	145
	Depth	30	30	30	30	30	30
	Min Box Depth	25mm					
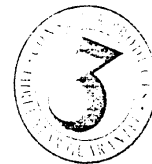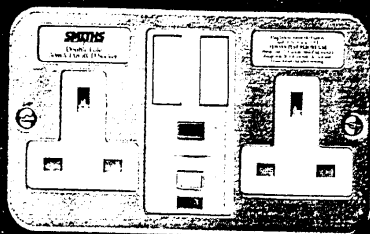
Supplied with a 35mm BS metal surface wall box

e wall box
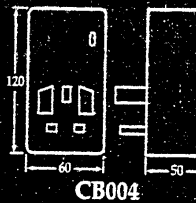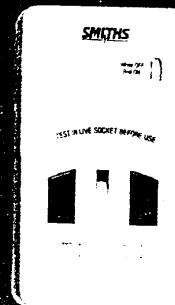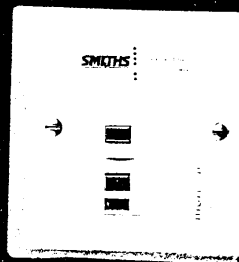
RCD07M/RCD08ML

RCD09W/RCD10WL

CB004
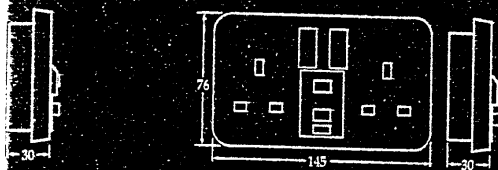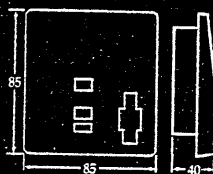
at the end of a power failure or in 'non-latching' versions where for safety reasons power must only be restored to the appliance/equipment by manual reset. Ideal for use with all home appliances, gardening equipment/power tools and industrial machines/equipment.

RCD06WL RCD Double White Latching Socket

The RCD06WL shares all the features and advantages of the RCD05W with the addition of latching and replaces an existing double socket unit.

RCD04ML RCD Single Metal Latching Socket

The RCD04ML RCD circuit breaker has the same specifications as the RCD02WL and is of strong metal construction for use in factories and other industrial environments where protection against shock and fire hazard is essential.

RCD08ML RCD Double Metal Latching Socket

The RCD08ML RCD circuit breaker has the same specifications as the RCD06WL double socket unit plus all metal construction for strength and longevity.

RCD10WL RCD White Fused Connection Unit

The RCD10WL shares all the features and benefits of the RCD09W and the unit will remain latched if the power supply is tripped.

RCD09W RCD White Fused Connection Unit

The RCD09W RCD Fused Connection Unit gives full protection against electric shocks and fire risk for equipment permanently connected to the mains supply.

Benefits
- *Extra fast action - trips out within 40 milliseconds!*
- *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.*
- *Complies with BS7288 and BS1363.*

CB004 Tripfast Double Pole (RCD) Circuit Breaker

The CB004 double pole circuit breaker is essential for plug-in protection. The unit detects dangerous earth leakages in electrical appliances and automatically disconnects both live and neutral connections leaving the earth connection intact.

Benefits
- *Provides complete protection from electric shocks.*
- *Extra fast action - trips out in 20 milliseconds!*
- *Cannot be reset without first unplugging appliance.*

SPECIFICATIONS		RCD07M	RCD08ML	RCD09W	RCD10WL	CB004
Type	Non-Latching	•		•		•
	Mechanical Latching		•		•	
Operating Voltage	220 - 240V AC 50 Hz	•	•	•	•	•
Current Rating	Fully Complies With BS1363	•	•	•	•	•
Rated Trip Current	30mA	•	•	•	•	•
Trip Speed	BS7071 - 20ms					•
	BS 7288 - 40ms	•	•	•	•	
Contact Break	Double Pole	•	•	•	•	•
Continues To Protect With	Lost Neutral	•	•	•	•	•
	Pulsating DC Earth Fault	•	•	•	•	•
Cable Capacity	3 x 2.5mm²	•	•	•	•	
	Also up to 10.5mm dia flex cable to BS6500			•	•	
Conforms To Directives	73/23/EEC	•	•	•	•	•
	89/336/EEC	•	•	•	•	•
Conforms To BS	BS1363, BS7288	•	•	•	•	
	BS7071 (1992)					•
Dimensions (mm)	Height	76	76	85	85	120
	Width	136	136	85	85	60
	Depth	30	30	42	42	50

3

SP01

SP02

SP04

QB0130

Delhi Range

Rightime Range

A product range for protecting valuable, delicate electrical appliances from interference and damage caused by spikes resulting from power surges or lightning.

The Smiths name is traditionally associated with quality clocks and timers for commercial and industrial applications.

SP01 Surge Protector Plug

The SP01 simply replaces an existing plug giving instant protection to the appliance it powers.

Benefits
- *Protects against spikes and voltage surges.*
- *May be wired and used as an ordinary 3 pin plug.*
- *Protects other devices connected to the same socket.*
- *Operates instantaneously and does not need to be reset.*
- *Thermal overload protection.*

SP02 Plug-In Surge Protector Adaptor

The SP02 offers instant protection from dangerous power surges and voltage spikes. The unit has dual thermal overload protection and is ideal for equipment with moulded on mains plugs .

Benefits
- *Protects against power surges and voltage spikes.*
- *Ideal for equipment with moulded on mains plugs.*
- *Dual thermal overload protection.*
- *Neon indicator light provides full status indication.*
- *Manual Reset not required.*
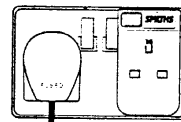
PROTECTS OTHER DEVICES
CONNECTED TO COMMON SOCKET

SP04 4 Gang Surge Protected Socket Strip

The SP04 has all the features and benefits of the SP02 but is a 4-way trailing socket with a 2 metre cable length supplied with a BS plug. Ideal for computer terminals and other multi-product applications.

Ideal for Protecting

PC's & Computer Games

Hi-Fi/CD/Satellite Equipment

Telephones & Answering Machines
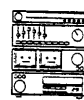
Television Sets & Video Recorders

Delhi Range

For the toughest applications. A range of classic quartz and electrical clocks with white durable moulded covers with glass fronts.

Part No	Face Size	Movement	Power Supply	Dial
DQ6	145mm (6")	Quartz	1 x AA (1.5V)	12 hour
DQ9	227mm (9")	Quartz	1 x AA (1.5V)	12 hour
DQ9/24	227mm (9")	Quartz	1 x AA (1.5V)	12/24 hour
DQ12	300mm (12")	Quartz	1 x AA (1.5V)	12 hour
DQ12/24	300mm (12")	Quartz	1 x AA (1.5V)	12/24 hour
DS6	145mm (6")	Electric	240V AC 50Hz	12 hour
DS9	227mm (9")	Electric	240V AC 50Hz	12 hour
DS12	300mm (12")	Electric	240V AC 50Hz	12 hour
DS12/24	300mm (12")	Electric	240V AC 50Hz	12/24 hour

Rightime Range

A range of modern styling quartz clocks in white moulded covers with durable plastic fronts.

Part No	Face Size	Movement	Power Supply	Dial
RT03	227mm (9")	Quartz	1 x AA (1.5V)	12 hour
RT03/24	227mm (9")	Quartz	1 x AA (1.5V)	12/24 hour
RT05	300mm (12")	Quartz	1 x AA (1.5V)	12 hour

QB0130 Count Down/Count Up Electronic Timer

Compact and robust, the QB0130, a 24 hour count down/count up digital clock/timer is accurate to the second.

Benefits
- *Easy view digital clock/timer display.*
- *12 hour digital clock mode.*
- *Time's up alarm.*
- *Count-down for cooking or photography.*
- *Count-up for sports and exercise.*

SPECIFICATIONS		SP01	SP02	SP04
Operating Voltage	220 - 240V AC 50 Hz	●	●	●
Surge Rating (Max)	4500A	●	●	●
Protection Modes	L-N, N-E, L-E	●	●	●
Maximum Current	13A (3kW)	●	●	●
Operating Temperature	0 - 40 °C	●	●	●
Factory Fitted Fuse	BS1362	5A		7A
Power Consumption	0.2W	●	●	●
Conforms To Directives	73/23/EEC	●	●	●
	89/336/EEC	●	●	●
Dimensions mm	Height	50	80	60
	Width	50	50	291
	Depth	55	60	28

SL055

SL099

SL077

SL033

SL022

SL01

SL170
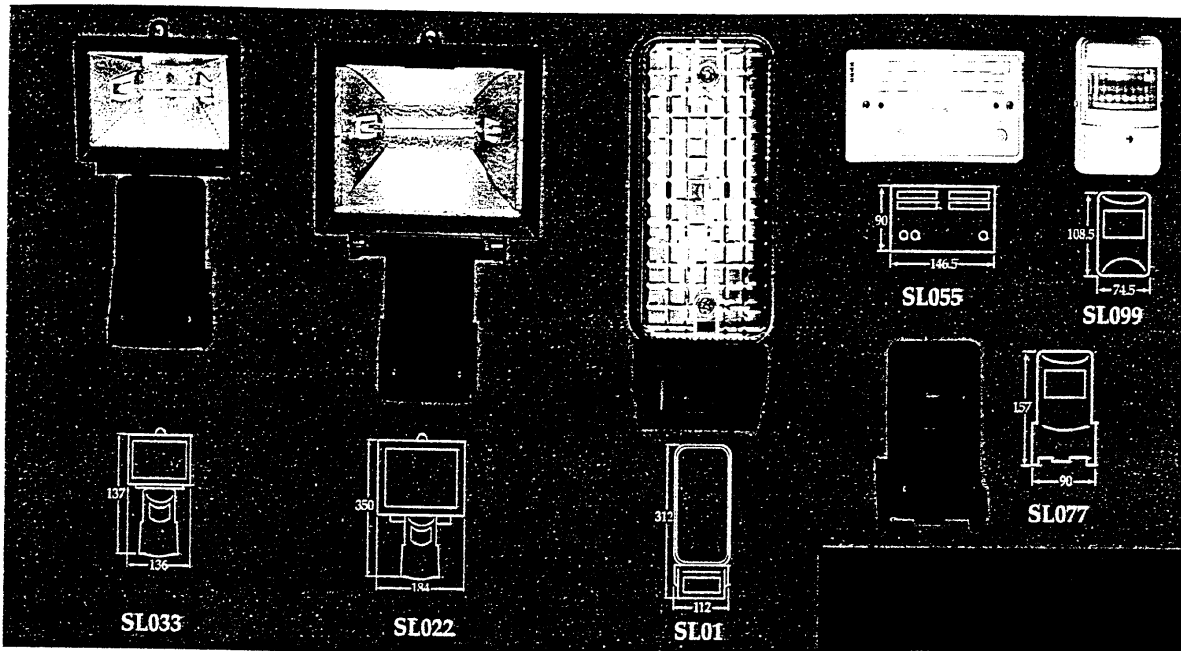
A comprehensive range of outdoor security lighting and detector products including PIR, dusk to dawn and multi-sensor facilities.

SL01 Bulkhead Exterior Security Light

The SL01 is an easily installed exterior security light with integral PIR sensor. Once moving body heat is detected the lamp will stay on for a preset time.

Benefits
- *Built in sensor prevents daytime operation.*
- *Can replace existing outdoor lighting.*
- *An additional 500W of lighting can be controlled.*
- *Tough metal bulkhead.*

SL170 Programmable Photo Electric Switch

The SL170 is designed primarily for use with external lighting, turning on at dusk & off at a programmed time during the night, or at dawn if preferred.

Benefits
- *Can control up to 2400W of filament or 850W of fluorescent lighting.*
- *Adjustable turn on between 15 and 150 lux.*
- *Programmed OFF time remains constant.*
- *Lux/ON time can be changed without opening unit.*

SL055 Multi-Sensor Switch and Detector

The SL055 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 control 1500W of lighting.

Benefits
- *Converts new or existing outdoor lighting.*
- *Indoor switch with audible alarm for each zone.*
- *Controls up to 3000W of lighting.*
- *Single zone use possible with up to 8 detectors.*
- *SL099 180° 15 metre detector supplied.*
- *Additional extra low voltage detectors are available.*

Part No. SL099

SL077 Outdoor Security Light Controller

The SL077 transforms up to 3000W of standard outdoor lighting into security lighting, sharing the detection features and specification of the SL022 floodlight. Permanent ON facility.
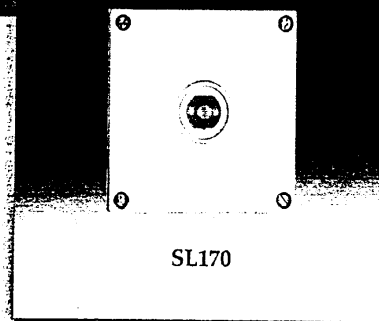
Weatherproof, programmable photo electric switch.

SL033 150W Outdoor Floodlight & Detector

The SL033 combines a 150W halogen floodlight with a PIR sensor to provide an exceptional security lighting package. The unit can switch up to 350W of additional outdoor lighting.

Benefits
- *Adjustable 15 metre range, 180° detection area.*
- *Sensor can be mounted separately.*
- *Can switch up to 500W (total) outdoor lighting.*
- *Light ON time from 3 seconds to 5 minutes.*
- *Additional 150W halogen floodlight available - MHF150W.*

SL022 Night Protector Security Floodlight

The SL022 has all the features and benefits of the SL033, plus a 500W floodlight. The unit can switch up to 2500W of additional outdoor lighting.

Benefits
- *Permanent ON facility.*
- *Additional 500W halogen floodlight available - THF500W.*

SPECIFICATIONS		SL170	SL033	SL022	SL077	SL01	SL055/SL099
Operating Voltage	220 - 240V AC 50Hz	●	●	●	●	●	●
Power Consumption	5VA		●				●
With Lights Off	8VA			●	●	●	●
Maximum Light Load (W) Internal			150	500		100	3000 (ext)
Tungsten/Halogen	External	2400W	350	2500	3000	500	(1500W per zone)
Maximum Fusing	3 amp					●	
	13 amp	10 amp		●	●		
Suitable Fluorescent & Low Energy Lighting (Max)		850W		500W	500W		500W per zone
Weatherproof Rating	IP54		●	●	●	●	●
	IP56	●					
Detection Range (Max)	Metres		15	15	15	12	15
Angle of Detection			180°	180°	180°	100°	180°
Light On Time After last detection (Adjustable)	Seconds (Min)		3	3	3	2 mins	5
	Minutes (Max)		5	5	5	(fixed)	5
Permanent ON Facility			●	●	●		
Height		60	137	350	157	312	90 108.5

3

SLV101E

SL043

SL044

SL04

A comprehensive range of decorative/courtesy security lighting and detector products to compliment any house exterior.

SL04 PIR Night Eye Globe

The SL04 Night eye globe is an attractive smoked glass security lamp with integral PIR sensor. Detection range is 10 metres with a 90° detection area. The detection range can be reduced id required. Light-on time is pre-set for 3.5 minutes. A built-in light sensor prevents daytime operation.

Benefits
● *IP33 weatherproof rating.*
● *Light ON time pre-set for 3.5 minutes.*
● *Detects moving body heat up to 10 metres away*
● *Built in sensor prevents daytime operation.*
● *Uses a standard BC bulb up to 100W.*
● *Sensor is moveable through 160° either side.*
● *Detection range can be reduced.*

SLV101E Security Light Controller

The SLV101E is a high powered detector unit that can change existing outdoor lighting into security lighting. The PIR detector will detect moving body heat up to 14 metres away and automatically switch the lights on. Adjustable vertically allowing forward range adjustment to fine tune the installation.

Benefits
● *Can handle up to 2400W of filament lighting or 500W of low energy/fluorescent lighting.*
● *14 metre detection range*
● *180° angle of detection.*
● *Moveable detector allows forward PIR range adjustment.*
● *Built in sensor prevents daytime operation.*
● *Adjustable light level control.*
● *Light on time adjustable from 5 seconds to 18 minutes.*

SL043 PIR Brass Sensor Lantern

The SL043 is a fully automatic outdoor security light with an 8 metre detection range. The brass finish compliments any house exterior. A built-in light sensor prevents daytime operation.

Benefits
● *IP42 weatherproof rating.*
● *Light ON time pre-set for 2.5 minutes.*
● *Solid brass lantern with integral PIR detector.*
● *8 metre detection range with 180° detection area.*
● *Built in sensor prevents daytime operation.*
● *Uses a standard BC bulb up to 100W.*
● *Permanent ON/OFF facility.*
● *Detection range can be reduced.*

SL044 PIR Black Sensor Lantern

The SL044 has all the features and benefits of the SL044 but comes in a black finish to compliment any house exterior.

SPECIFICATIONS		SL04	SL043	SL044	SLV101E
Operating Voltage	220 - 240V AC 50Hz	●	●	●	●
Power Consumption With Lights Off	8VA	●	●	●	●
Maximum Light Load (W)	Internal	100	100	100	
Tungsten/Halogen	External				2400
Maximum Fusing	3 amp	●	●	●	10A
	IP33	●			
Weatherproof Rating	IP42		●	●	
	IP44				●
Detection Range (Max)	Metres	10	8	8	14
Angle of Detection		90°	180°	180°	180°
Light On Time After last detection (Adjustable)	Seconds (Min)	(fixed)	(fixed)	(fixed)	5
	Minutes (Max)	3.5	2.5	2.5	18
Conforms To Directives	73/23/EEC	●	●	●	●
	89/336/EEC	●	●	●	●
Overall Dimensions (mm)	Height	365	350	350	71

SL021   **SLV500E**   **SLV150E**   **SLV1000E**   **SLV88E/SLV89E**

The SLV range of security lighting products consist of high powered PIR detector units, powerful floodlight coverage and various adjustable light-on times.

SL021 Bulkhead 180° White Security Light

The SL021 is a new look bulkhead security lamp with integral PIR sensor. Detection range is fully adjustable up to 10 metres with a 180° detection area. Light-on time is adjustable from 3 seconds to 5 minutes. A built-in light sensor prevents daytime operation.

Benefits
- IP33 weatherproof rating.
- Light ON time adjustable from 3 seconds to 5 minutes
- Built in sensor prevents daytime operation.
- Uses a standard BC bulb up to 60W.
- Adjustable PIR Detection range.

SLV150E Automatic 150W Halogen Floodlight

The SLV150E halogen floodlight shares all the features and benefits of the SLV500E but the floodlight is a powerful 150W unit for security coverage and economy.

SLV500E Automatic 500W Halogen Floodlight

The SLV500E halogen floodlight is a compact security light that will provide a welcome to visitors and a warning to intruders. It has a built-in PIR detector that will detect moving body heat up to 12 metres away and automatically switches the floodlight on. The PIR sensor is moveable allowing both horizontal and vertical adjustment to fine tune the installation.

Benefits
- Compact 500W enclosed halogen floodlight.
- Easy to install.
- 110° angle of detection.
- Moveable detector allows horizontal and vertical PIR range adjustment.
- Built in sensor prevents daytime operation.
- Adjustable ON time.
- Permanent ON facility.
- Adjustable light level control.

SLV88E Bulkhead 110° Black Security Light

Similar in style to the SL021, the SLV88E will switch up to 440 Watts of other external lighting. Its integral 110° PIR sensor can be swivelled through 45° in either direction to alter the coverage.

Benefits
- ON time adjustable from 5 seconds to 12 minutes.
- Dusk level adjustable from 0 to 1000 Lux.
- Permanent ON facility.
- Also available in white - Part Code SLV89E.

SLV1000E Security Light Controller

The SLV1000E is a high powered detector unit that can change existing outdoor lighting into security lighting. The PIR detector will detect moving body heat up to 12 metres away and automatically switch the lights on, and is moveable, allowing both horizontal and vertical adjustment to fine tune the installation.
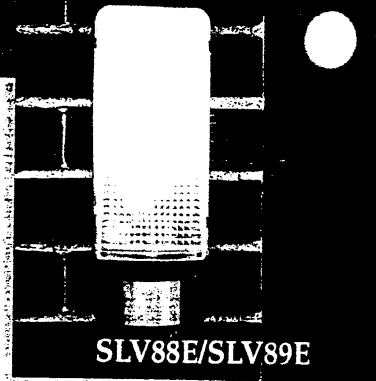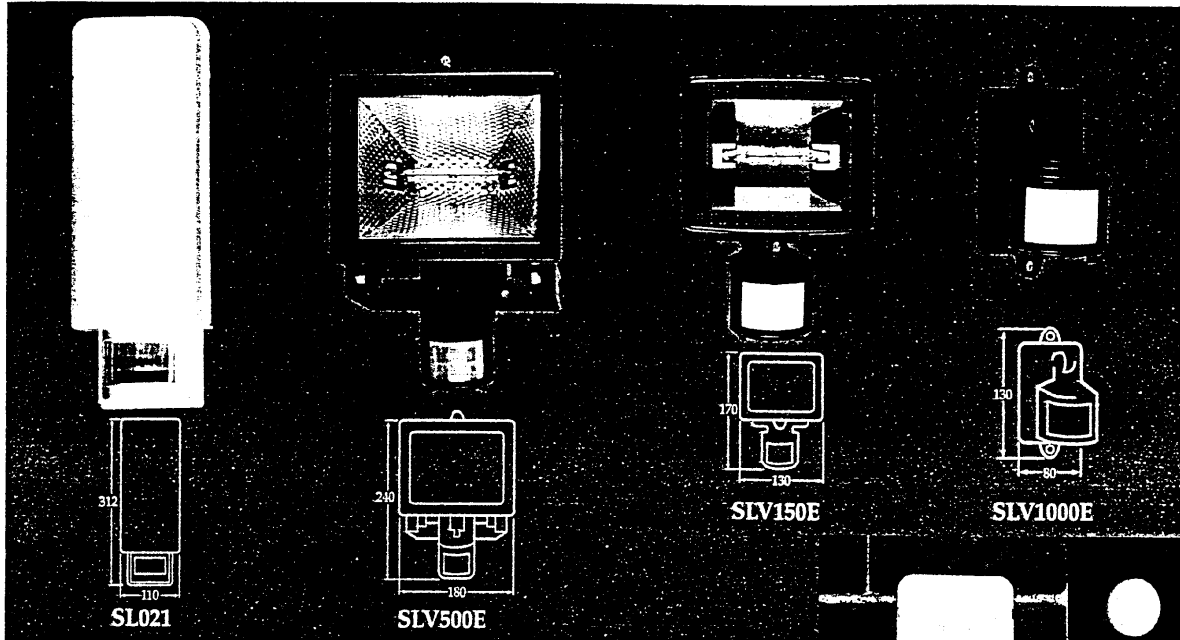
Benefits
- Can handle up to 1000W of security lighting.
- Changes existing lighting into security lighting.
- 110° angle of detection.
- Moveable detector allows horizontal and vertical PIR range adjustment.
- Built in sensor prevents daytime operation.
- Permanent ON facility.

SPECIFICATIONS		SL021	SLV500E	SLV150E	SLV1000E	SLV88E
Operating Voltage	220 - 240V AC 50Hz	•	•	•	•	•
Power Consumption With Lights Off	8VA	•	•	•	•	•
Maximum Light Load (W) Internal		60	500	150		60
Tungsten/Halogen External					1000	440
Maximum Fusing	3 amp	•	•	•	5A	•
Weatherproof Rating	IP33	•				
	IP44		•	•	•	•
Detection Range (Max)	Metres	10	12	12	12	10
Angle of Detection		180°	110°	110°	110°	110°
Light On Time After last	Seconds (Min)	3	5	5	5	5
detection (Adjustable)	Minutes (Max)	5	12	12	12	12
Conforms To Directives	73/23/EEC	•	•	•	•	•
	89/336/EEC	•	•	•	•	•
Overall Dimensions (mm) Height		312	240	170	130	275

Consumer Security Lighting

SLV150E   **SLV1000E**

SL021   **SLV500E**

SLV88E/SLV89E

The SLV range of security lighting products consist of high powered PIR detector units, powerful floodlight coverage and various adjustable light-on times.

SL021 Bulkhead 180° White Security Light

The SL021 is a new look bulkhead security lamp with integral PIR sensor. Detection range is fully adjustable up to 10 metres with a 180° detection area. Light-on time is adjustable from 3 seconds to 5 minutes. A built-in light sensor prevents daytime operation.

Benefits
- *IP33 weatherproof rating.*
- *Light ON time adjustable from 3 seconds to 5 minutes*
- *Built in sensor prevents daytime operation.*
- *Uses a standard BC bulb up to 60W.*
- *Adjustable PIR Detection range.*

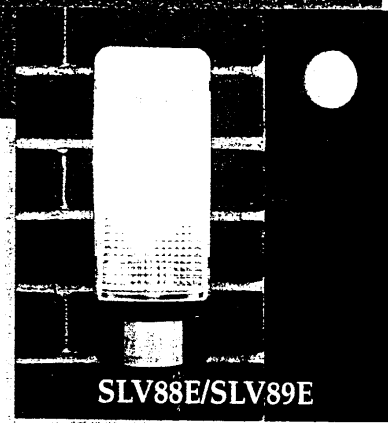## SLV150E Automatic 150W Halogen Floodlight

The SLV150E halogen floodlight shares all the features and benefits of the SLV500E but the floodlight is a powerful 150W unit for security coverage and economy.

SLV500E Automatic 500W Halogen Floodlight

The SLV500E halogen floodlight is a compact security light that will provide a welcome to visitors and a warning to intruders. It has a built-in PIR detector that will detect moving body heat up to 12 metres away and automatically switches the floodlight on. The PIR sensor is moveable allowing both horizontal and vertical adjustment to fine tune the installation.

Benefits
- *Compact 500W enclosed halogen floodlight.*
- *Easy to install.*
- *110° angle of detection.*
- *Moveable detector allows horizontal and vertical PIR range adjustment.*
- *Built in sensor prevents daytime operation.*
- *Adjustable ON time.*
- *Permanent ON facility.*
- *Adjustable light level control.*

SLV88E Bulkhead 110° Black Security Light

Similar in style to the SL021, the SLV88E will switch up to 440 Watts of other external lighting. Its integral 110° PIR sensor can be swivelled through 45° in either direction to alter the coverage.

Benefits
- *ON time adjustable from 5 seconds to 12 minutes.*
- *Dusk level adjustable from 0 to 1000 Lux.*
- *Permanent ON facility.*
- *Also available in white - Part Code SLV89E.*

SLV1000E Security Light Controller

The SLV1000E is a high powered detector unit that can change existing outdoor lighting into security lighting. The PIR detector will detect moving body heat up to 12 metres away and automatically switch the lights on, and is moveable, allowing both horizontal and vertical adjustment to fine tune the installation.
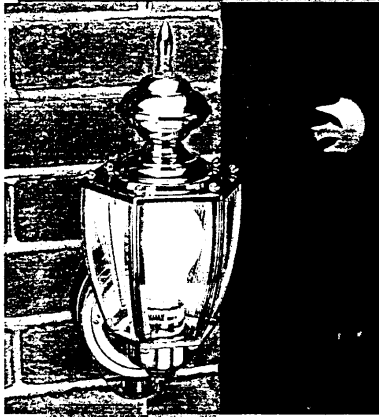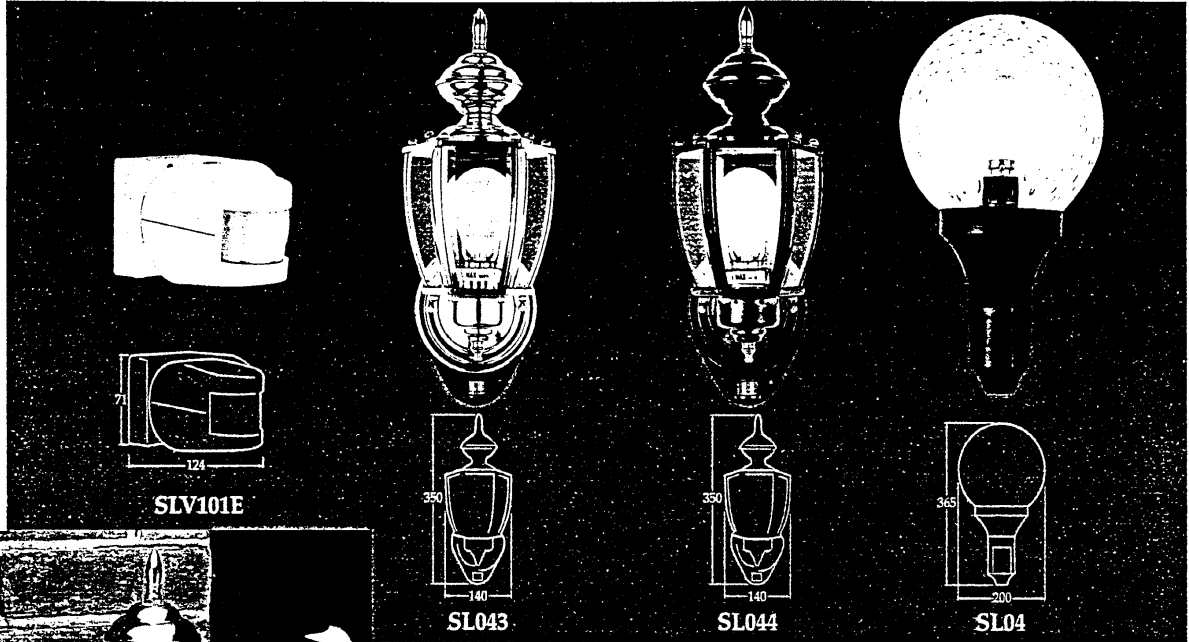
Benefits
- *Can handle up to 1000W of security lighting.*
- *Changes existing lighting into security lighting.*
- *110° angle of detection.*
- *Moveable detector allows horizontal and vertical PIR range adjustment.*
- *Built in sensor prevents daytime operation.*
- *Permanent ON facility.*

SPECIFICATIONS		SL021	SLV500E	SLV150E	SLV1000E	SLV88E
Operating Voltage	220 - 240V AC 50Hz	●	●	●	●	●
Power Consumption With Lights Off	8VA	●	●	●	●	●
Maximum Light Load (W)	Internal	60	500	150		60
Tungsten/Halogen	External				1000	440
Maximum Fusing	3 amp	●	●	●	5A	●
Weatherproof Rating	IP33	●				
	IP44		●	●	●	●
Detection Range (Max)	Metres	10	12	12	12	10
Angle of Detection		180°	110°	110°	110°	110°
Light On Time After last	Seconds (Min)	3	5	5	5	5
detection (Adjustable)	Minutes (Max)	5	12	12	12	12
Conforms To Directives	73/23/EEC	●	●	●	●	●
	89/336/EEC	●	●	●	●	●
Overall Dimensions (mm)	Height	312	240	170	130	275
	Width	110	180	130	80	110
	Depth	112	160	140	120	100

SLV101E

SL043 **SL044** **SL04**

A comprehensive range of decorative/courtesy security lighting and detector products to compliment any house exterior.

SL04 PIR Night Eye Globe

The SL04 Night eye globe is an attractive smoked glass security lamp with integral PIR sensor. Detection range is 10 metres with a 90° detection area. The detection range can be reduced id required. Light-on time is pre-set for 3.5 minutes. A built-in light sensor prevents daytime operation.

Benefits
- IP33 weatherproof rating.
- Light ON time pre-set for 3.5 minutes.
- Detects moving body heat up to 10 metres away
- Built in sensor prevents daytime operation.
- Uses a standard BC bulb up to 100W.
- Sensor is moveable through 160° either side.
- Detection range can be reduced.

SLV101E Security Light Controller

The SLV101E is a high powered detector unit that can change existing outdoor lighting into security lighting. The PIR detector will detect moving body heat up to 14 metres away and automatically switch the lights on. Adjustable vertically allowing forward range adjustment to fine tune the installation.

Benefits
- Can handle up to 2400W of filament lighting or 500W of low energy/fluorescent lighting.
- 14 metre detection range
- 180° angle of detection.
- Moveable detector allows forward PIR range adjustment.
- Built in sensor prevents daytime operation.
- Adjustable light level control.
- Light on time adjustable from 5 seconds to 18 minutes.

SL043 PIR Brass Sensor Lantern

The SL043 is a fully automatic outdoor security light with an 8 metre detection range. The brass finish compliments any house exterior. A built-in light sensor prevents daytime operation.

Benefits
- IP42 weatherproof rating.
- Light ON time pre-set for 2.5 minutes.
- Solid brass lantern with integral PIR detector.
- 8 metre detection range with 180° detection area.
- Built in sensor prevents daytime operation.
- Uses a standard BC bulb up to 100W.
- Permanent ON/OFF facility.
- Detection range can be reduced.

SL044 PIR Black Sensor Lantern

The SL044 has all the features and benefits of the SL044 but comes in a black finish to compliment any house exterior.

SPECIFICATIONS		SL04	SL043	SL044	SLV101E
Operating Voltage	220 - 240V AC 50Hz	●	●	●	●
Power Consumption With Lights Off	8VA	●	●	●	●
Maximum Light Load (W)	Internal	100	100	100	
Tungsten/Halogen	External				2400
Maximum Fusing	3 amp	●	●	●	10A
	IP33	●			
Weatherproof Rating	IP42		●	●	
	IP44				●
Detection Range (Max)	Metres	10	8	8	14
Angle of Detection		90°	180°	180°	180°
Light On Time After last	Seconds (Min)	(fixed)	(fixed)	(fixed)	5
detection (Adjustable)	Minutes (Max)	3.5	2.5	2.5	18
Conforms To Directives	73/23/EEC	●	●	●	●
	89/336/EEC	●	●	●	●
	Height	365	350	350	71
Overall Dimensions (mm)	Width	200	140	140	71
	Depth	280	190	190	123

PSL01/02/03

EPNL5
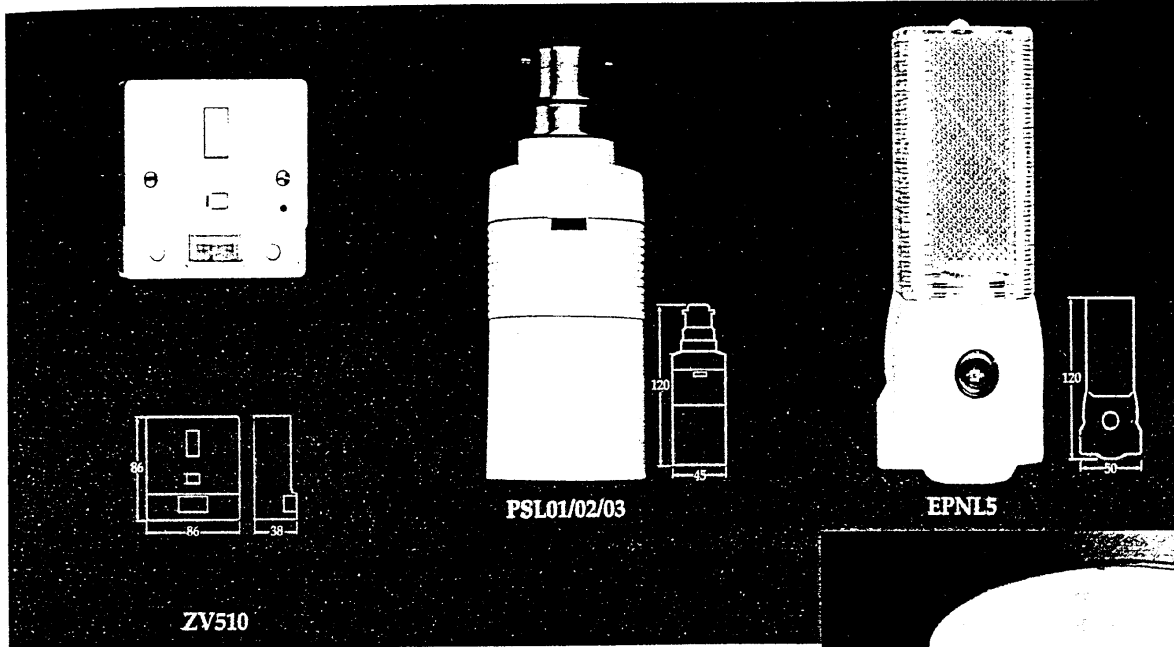
ZV510

lightswitches, including those in two way switching systems. Lamp holders and night lights simply plug-in to provide instant protection and safety to the home. Ideal for young children's bedrooms & hallways etc.

ZV510 Passive Infra-Red (PIR) Light Switch

The ZV510 will automatically turn a light ON at night when moving body heat is detected, turning OFF after a time adjustable between 5 seconds to 5 minutes.

Benefits
- *Detects body heat and switches ON light automatically.*
- *Sensor range 8 metres with a 180° detection area.*
- *Light ON time adjustable (ON time starts from last detection).*
- *Light level control for dusk-till-dawn operation.*

PSL01 Dusk to Dawn Security Lamp Holder

The PSL01 fits between a bulb holder and bulb giving instant security lighting. A light level sensor turns the light ON at dusk and OFF at dawn.

Benefits
- *As simple as fitting a light bulb.*
- *Requires no wiring or adaptors.*
- *Light level control for dusk-till-dawn switching.*
- *For use with standard bayonet cap (BC) filament lighting.*

PSL02 Random Activated Security Lamp Holder

The PSL02 has all the features and benefits of the PSL01, and will switch light ON and OFF in a totally random manner between dusk and dawn.

PSL03 Sound Activated Security Lamp Holder

The PSL03 will turn light ON in response to sound, and will remain lit for between 10 to 30 minutes, the duration varying with each activation between dusk and dawn.

EPNLB Spare Night Light Bulbs

Spare bulbs for the EPNL5 night light are available in a handy twin pack.

EPNL5 Automatic Dusk to Dawn Night Light

The EPNL5 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.

Benefits
- *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.*

EPNL5T Automatic Dusk to Dawn Night Light Twin Pack

The EPNL5T automatic dusk-till-dawn nightlight is also available as a money saving twin pack.

SPECIFICATIONS		PSL01	PSL02	PSL03	EPNL5
Product Description	Security Lamp Holder	●	●	●	
	Plug-in Night Light				●
Lamp Size	40W min - 100W max	●	●	●	
	7W max (SES E14 base)				●
Temperature Range	0°C to 40°C	●	●	●	●
Operating Voltage	220 - 240V AC 50 Hz	●	●	●	●
Fuse Rating	20 x 5mm T1A	●	●	●	●
Conforms To Directives	73/23/EEC	●	●	●	●
	89/336/EEC	●	●	●	●
Dimensions (mm)	Height	120	120	120	120
	Width	45	45	45	50
	Depth	45	45	45	70

ZV210

ZV410

ZV420
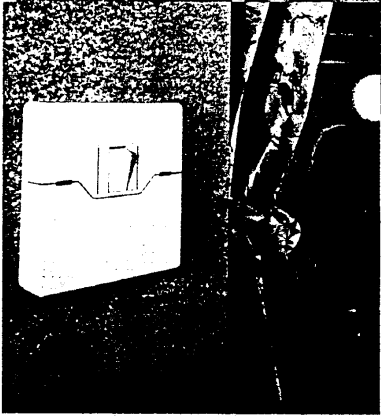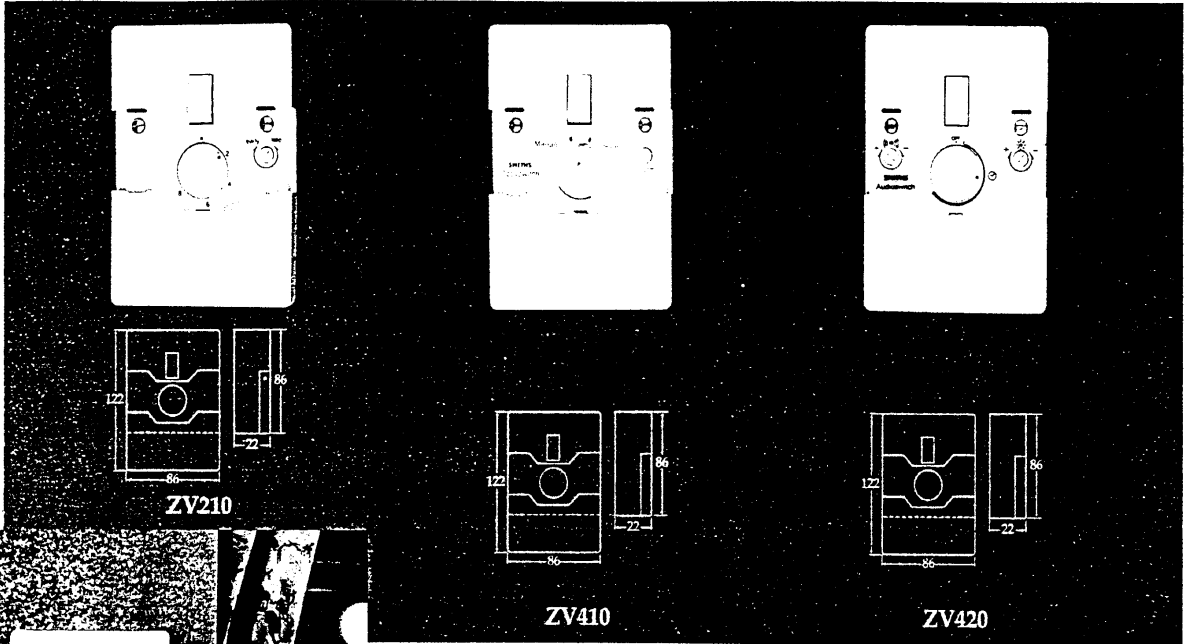
A superb range of security light switch time controllers, security lamp holders and night lights offering unrivalled reliability, versatility and value-for-money. All security light switches are designed to replace existing

ZV210 Programmable Security Light Switch

The ZV210 Programmable Security Light Switch will turn a light ON automatically when it gets dark and can be programmed to turn OFF again up to 8 hours later. Easy to install and operate, the ZV210 simply replaces the existing wall switch and can be used as a normal ON/OFF switch.

Benefits
- *Turns room lights ON & OFF automatically.*
- *Light ON time programmable for up to 8 hours.*
- *Programmable to make premises look normally occupied.*
- *Adjustable light level control for dusk switching.*
- *For evenings out, weekends away and holidays.*
- *Simple to fit and easy to use.*
- *Slim and tidy, with concealed front panel.*

ZV215 Programmable Security Light Switch

The ZV215 is the double switch version of the ZV210. It has all the features and benefits of the ZV210 with an additional switch for manual control of another light.

ZV410 Security Copyswitch Light Switch

The ZV410 remembers up to nine ON/OFF normal switching patterns over a 24 hour period and repeats the pattern every day when required.

Benefits
- *Remembers switching pattern and repeats over 24 hours.*
- *Turns room lights ON and OFF automatically.*
- *Can be used as a normal ON/OFF light switch.*

ZV420 Security Audioswitch Light Switch

The ZV420 automatically switches a light ON when a sound is heard at night, turning it OFF again after a time adjustable between 5 seconds and 5 minutes.

Benefits
- *Automatically turns light ON when sound is heard.*
- *Light on time adjustable (ON time starts from last detection).*
- *Light level control for dusk-till-dawn operation.*
- *Can also be used as a normal ON/OFF switch.*

FLA01 Fluorescent Strip Light Adaptor

Converts up to 85W of fluorescent strip lights and low energy lamps where space allows for use with certain Smiths Security Light Switches.

Benefits
- *For use with Programmable Security Light Switch (ZV210/ZV215), Audioswitch (ZV420) and PIR Light Switch (ZV510).*
- *Size: 29 x 32 x 13mm*
- *One adaptor per switch*
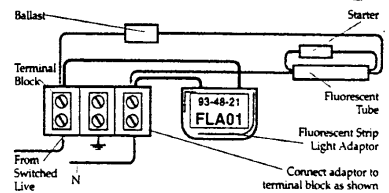
SPECIFICATIONS		ZV210	ZV215	ZV410	ZV420	ZV510
Switch Type	Single Gang	●		●	●	●
	Double Gang		●			
Lamp Size	40W min - 200W max			●		
	40W min - 300W max	●	●		●	●
Light Level Sensing		●	●		●	●
Light on Time Adjustable		●	●		●	●
Concealed Front Panel		●	●		●	
Fluorescent Lighting	Can be used with FLA01 Adaptor up to 85W	●	●		●	●
Conforms To Directives	73/23/EEC	●	●	●	●	●
	89/336/EEC	●	●	●	●	●
Dimensions (mm)	Height (Open)	122	122	122	122	86
	Height (Closed)	86	86	86	86	
	Width	86	86	86	86	86
	Depth	22	22	22	22	28