



TIMERS & SENSORS

- Ideal for most heating applications
- Timer 'on' status indicator
- Fits a 25mm dual appliance socket box should you require to mount the timer next to a fused spur or socket outlet
- Will fit directly to any 25mm deep socket box fitted with an earth terminal
- 230V AC, 16A resistive load, 2A inductive load (T108-C 8A inductive)
- T108-C is suitable for discharge lighting applications only
- Dimensions H77 x W72 x D43mm (Plate 86 x 86mm)
- All products are individually clammed for ease of display
- Conforms to BS EN 60730-1, BS EN 60730-2-7



PART NO.	DESCRIPTION	DISPLAY	
T105-C	7 Day Electronic Timer with 150hr battery backup 24 on/off programmes	Digital display Manual override Summer time setting option Countdown timer function and 'Random' setting	
T108-C	7 Day Electronic Timer as above with increased 8A inductive rating	Digital display Manual override Summer time setting option and 'Random' setting	
T100-C	24hr Mechanical Timer 96 on/off settings	Analogue clock face On/timed/off switch selector	
T101-C	7 Day Mechanical Timer 84 on/off settings (12 per day)	Analogue clock face On/timed/off switch selector Minute hand indicator	

Immersion and Dual Tariff Timers



T102-C, T103-C, T104-C, T106-C & T109-C: -

- Timer 'on' status indicator
- 230V AC 50Hz, 16A resistive load, 2A inductive load
- Dimensions H127 x W74 x D48mm
- All product clammed for ease of display
- Conforms to BS EN 60730-1 and BS EN 60730-2-7

T109-C: -

- The KingShield Dual Tariff Boost Timer controls the use of off-peak cheap rate electricity. It can be surface mounted and has easy to set time segments.
- Dimensions for T109-C H85 x W155 x D50mm



	PART NO.	DESCRIPTION	DISPLAY
	T102-C	24hr Mechanical Timer 96 on/off settings	Analogue clockface On/timed/off switch selector
	T103-C	24hr Mechanical Timer with 24hr battery backup 96 on/off settings	Analogue clockface On/timed/off switch selector
	T104-C	7 Day Mechanical Timer 84 on/off settings (12 per day)	Analogue clockface On/timed/off switch selector Minute hand indicator
	T106-C	7 Day/24hr Electronic Timer with 150hr battery backup 24 on/off programmes	Digital Display Manual Override Summer time setting Countdown timer function and 'Random' setting
	T109-C	16A Dual Tariff Boost Timer	15 - 120 minute boost facility Anti-tamper timer cover

- Manual override
- 230V AC 50Hz, 13A (3kW) resistive load, 2A inductive load
- All products are individually clammed for ease of display
- Conforms to BS EN 60730-1, BS EN 60730-2-7

Extra features on T17B-C only -

- Random delay 'on/off' function
- Timer countdown function
- Complete with AAA battery to keep programmed settings when not plugged in
- Summertime preset setting available





PART NO.	DESCRIPTION	INFO	
T17B-C	7 Day Electronic Plug-in Timer/Adaptor	24 on/off programmes H123 x W64 x D53mm (exl. pins)	
T73A-C	24hr Mechanical Plug-in Timer/Adaptor	15 minute on/off segments H131 x W76 x D46mm (exl. pins)	

Channel Timers



The KingShield 2 & 4 channel central heating & hot water timers offer the equivalent of four or two separate seven day timers in one slim, elegant enclosure. Each channel offers up to three programmed operating periods per day for each of the seven days of the week, with a boost and advance available on each.

- Up to 4 independently programmable channels
- 3 on and 3 off settings available per channel, per day
- One hour boost facility for each channel
- Programme advance function for each channel
- Summertime setting
- 7 day battery back up
- Clear backlit LED display
- 230V AC, 3A resistive, 1.25A inductive per channel
- All products are individually clammed for ease of display
- Conforms to IEC 60730-2-7 and IEC 60730-1



	PART NO.	DESCRIPTION	DIMENSIONS
	T612-C	1 or 2 Channel Timer	H95 x W154 x D37mm
	T634-C	1 - 4 Channel Timer	H95 x W154 x D37mm

The T61 Single Channel Central Heating Timer is suitable to control heating with combi boilers and has volt free contact available.

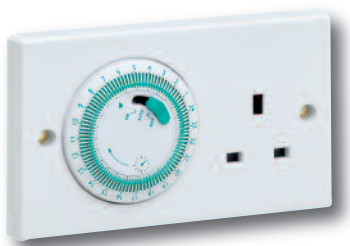
The T62 Twin Channel Heating & Hot Water Timer controls heating and hot water independently. It is suitable for either pumped or gravity systems. It is easy to use as it has a separate boost button for heating and hot water.



- Hinged panel conceals programming buttons for neat display
- 230V AC, 5A resistive load, 2A inductive load
- Dimensions H85 X W155 X D44mm
- Conforms to BS EN 60730-1, BS EN 60730-2-7

PART NO.	DESCRIPTION	INFO	
T61-C	Single Channel Central Heating Timer	14 on/off settings One hour boost button	
T62-C	Twin Channel Central Heating & Hot Water Timer	14 on/off settings (per channel) Separate one hour boost button for heating and hot water	

Timed Socket



The KingShield 24hr mechanically timed socket simply replaces your normal socket, with the added benefit of a timer application. It has 96 on/off settings for maximum flexibility. Suitable for use with any 13A appliance you need to automatically control.


- On/off/timed selector
- 230V AC 50Hz, 13 Amp (4A inductive)
- Power consumption 0.9W
- Operation temperature -5°C to + 40°C
- Dimensions H87 x W147 x D14mm
- Conforms to BS 1363-2, EN 60730, EN 60730-2-7

	PART NO.	DESCRIPTION	INFO
	TS70A-C	24hr Mechanically Timed 13A Socket	96 on/off settings Operates with 15 minute on/off segments

Din Rail Mounting Timer






- For use in consumer units and control panels
- 16A resistive, 2A inductive
- 230V, 50/60Hz
- Volt free contact
- 6 ON + 6 OFF programmes
- Din rail mounted
- 100 hour battery back up
- Conforms to EN 60669-2-1

	PART NO.	DESCRIPTION	DIMENSIONS
	T80-C	Digital Compact Din Rail Mounting Timer with 7 day or 24hr programming	H90 x W18 x D55mm

KingShield's range of thermostats are ideal for controlling heating and air conditioning systems.





- Displays both room and set temperature
- Internal switch selector for heat or air conditioning operation
- Easy to read large LCD display
- 2 wire operation
- Low battery indicator
- Battery operated 2 x AA (not included)
- Contact: SPST, volt free, 5A resistive, 2A inductive (THPW1-C 16A resistive)
- Temperature range 5 to 30°C, temperature accuracy +/- 0.5°C
- IP20 rated
- TH1-C Dimensions: H73 x W113 x D30mm
- THP1-C / THPW1-C Dimensions: H83 x W131 x D31mm
- Conforms to BSEN 60730-2-9

PART NO.	DESCRIPTION	INFO	
TH1-C	Digital Thermostat	Displays both room and set temperature	
THP1-C	Programmable Digital Thermostat	7 Day programming 2 x Pre-set temp settings (comfort & economy) Short/long term temporary temperature override	
THPW1-C	Wireless Programmable Digital Thermostat (Wireless version of the THP1-C)	No need for inter-connecting wires Wireless up to 50M	

Mechanical Thermostats



- 3 wire operation
- IP20
- 230V AC resistive load
- Max load 10A
- Class II
- Temperature range 5 - 35°C
- Dimensions: H83 x W83 x D34mm



	PART NO.	DESCRIPTION	INFO
	RT90-C1	Break On Rise Thermostat	-
	RT90-C3	Changeover Contact Thermostat	10A opening contact 3A closing contact

Simply replaces a standard wall switch to provide timed switching of lights while still allowing normal switching operation. The hinged cover also operates as light switch.

The T41D light sensitive wall switch turns your lights on when it gets dark and maintains them on for up to 8 hours.

- Replaces the existing light switch
- Will still operate as a manual switch
- 40-400W - GLS lamps and most low energy lamps 17W and above
- 2 way switch
- Fused
- Dimensions H86 x W86 x D27mm



PART NO.	DESCRIPTION	INFO	
T40S-C	Wall Switch Security Timer with 24hr Battery Backup 6 on/off programmes per day	7 Day or 24hr Programming available (Not suitable for use with LED lighting)	
T41D-C	Light Sensitive Wall Switch	Adjustable 'Lights on time' between 1 - 8 hours	

Time Lag Switches



Time lag switches enable the consumer to reduce their energy bills by simply replacing the existing wall switch, they are very quick and inexpensive to install. Designed to switch lights, or other loads, on for a limited time, and to switch off automatically after a user selected time of 5 to 30 minutes has elapsed.

Ideal for use in stairwells, store rooms, pub smoking areas and in many other applications where lights are only required to be on for a short amount of time.

- Adjustable time delay
- No neutral wire is required on TIMLAG210 models
- Loading up to 6A (1500W) of any type of load including fluorescent lights
- 230V, AC 50Hz
- Weight 130g, Dimensions H86 x W86 x D25mm
- Conforms to EN 60669-2-1


	PART NO.	DESCRIPTION	INFO
	TIMLAG210	1-10 minute Time Lag Switch	2 wire, single pole No neutral is required
	TIMLAG320	2-20 minute Time Lag Switch	3 wire, single pole Requires a neutral
	TIMLAG210L	1-10 minute Time Lag Switch with illuminating push button	2 wire, single pole No neutral is required
	TIMLAG320L	2-20 minute Time Lag Switch with illuminating push button	3 wire, single pole Requires a neutral

Pneumatic Time Delay Switch

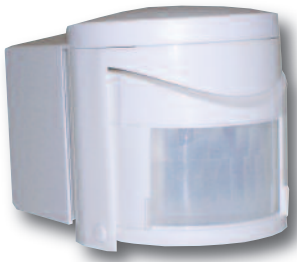
For the operation and control of lighting.

- Suitable for controlling GLS, fluorescent and compact fluorescent lighting
- Adjustable time delay from 10 seconds to 10 minutes
- GLS Load - 6A, 1440 watts
- Fluorescent Load - 3A, 720 watts
- 230V, AC 50Hz
- Weight 82.5g
- Conforms to BS EN 60730-2-7







PART NO.	DESCRIPTION	DIMENSIONS	
<p>TLS</p>	<p>Pneumatic Time Delay Switch</p>	<p>H85 x W85 x D42mm</p>	

PIR Sensors



A PIR sensor detects a change in temperature and therefore is able to detect movement in people and animals. The indoor sensors are helpful for saving energy indoors by turning the lights on and off after detecting a change. The outdoor sensors are particularly helpful in detecting intruders in the garden, for example, the light will come on as the object has been detected thus informing the occupant of a change.

- Outdoor PIR Sensors are rated at IP44
- 230V AC 50Hz
- Conforms to EN 60669-2-1

	PART NO.	DESCRIPTION	INFO
	IRD180A-C	Outdoor PIR Sensor 12M detection range 180° angle of detection 80° tilt action	Max switching capacity 5A Max load 1200W tungsten filament / 500W tungsten halogen 'Time on' adjustable from 12 seconds to 20 minutes
	IRD270	Outdoor PIR Sensor 15M detection range 270° angle of detection Can be mounted flat to a wall, or on a corner.	Max switching capacity 8A Max load 2000W 'Time on' adjustable from 5 seconds to 7 minutes Manual override available
	CFMPIR	Indoor PIR Sensor 2.5M - 3.5M detection range Flush mounting	Max switching capacity 6A Max load 1440W 'Time on' adjustable from 10 seconds to 40 minutes Photocell override available
	CSMPIR	Indoor PIR Sensor 2.5M - 3.5M detection range Surface mounting	Max switching capacity 6A Max load 1440W 'Time on' adjustable from 10 seconds to 40 minutes Photocell override available

KingShield's range of Photocells offer a wide selection of products for dusk to dawn switching. A Photocell detects the level of light and will turn lights on when it gets dark.

- 230V AC 50Hz
- Conforms to EN 60669-2-1



PART NO.	DESCRIPTION	INFO	
PEC1000	2000W/10A Electronic Photocell Kit with detachable sensing module ON < 20 - OFF > 80 LUX IP65 rated	Max switching capacity 10A Max load 2000W tungsten / 2x 400W HPS 10-15 second switching delay	
PECH	Replacement head for PEC1000	As PEC1000	
PEC500	1000W/5A Electronic Photocell Kit With detachable sensing module ON < 20 - OFF > 80 LUX IP65 rated	Max switching capacity 5A Max load 1000W tungsten / 2x 240W HPS 10-15 second switching delay	
PECH500	Replacement head for PEC500	As PEC500	
PECB	Bracket only	From the Electronic Photocell Kit above (PEC1000 / PEC500)	
PEC2000-C	1000W/8A Electronic Photocell ON < 20 - OFF > 80 LUX IP44 rated	Max switching capacity 8A Max load 1000W tungsten halogen 30-50 second switching delay	
PEC4000-C	1200W/5A Electronic Photocell Adjustable LUX level 5 - 300 LUX IP44 rated	Max switching capacity 5A Max load 1200W tungsten filament / 500W tungsten halogen Photocell override available	
PEC20	2000W/10A Remote/Panel Mounting Photocell ON < 20 - OFF > 80 LUX IP65 rated (when fitted)	Max switching capacity 10A Max load 2000W tungsten / 2x 400W HPS 16mm thread size with lockrings	

Smoke/Heat/CO Alarms



NEW



Applies to ACOM, ASIM, ASPM and AHPM

- Extra loud alarm sound at over 85dB
- 3yr alkaline battery backup (supplied)
- Low battery and battery missing indicator
- Inter-connects with up to 40 units (all mains types)
- Easy to install with quick fix mounting bracket
- Test/hush button
- Conforms to one or more of the following BS EN 61000-6-3:2007, BS EN 50130-4, BS EN 50270, BS EN 50291, BS EN 14604
- ASIM, BS KITE Mark Approval

	PART NO.	DESCRIPTION	INFO
	ACOM	Mains CO Alarm Carbon Monoxide Alarm	Built-in sensitive Carbon Monoxide Detector
	ASIM	BSI Kite Marked Mains Smoke Alarm with Ionisation Sensor	Ionisation Sensor quickly detects fast flaming fires such as paper fire in bins or grease fire in kitchens
	ASPM	Mains Smoke Alarm with Photo-electric Sensor	Photo-electric Sensor specifically designed to detect smoke from low smouldering fires
	AHPM	Mains Heat Alarm	Alarm will sound when room temperature reaches 58°C
	AMP	Pattress For Mains Heat, Smoke and CO Alarms	Surface mounting pattress Easy to install
	SD-170	9V Battery Smoke Alarm	Ionisation sensor - warns of smoke and fire even before flames are visible Low battery warning signal Small size - Diameter 108mm