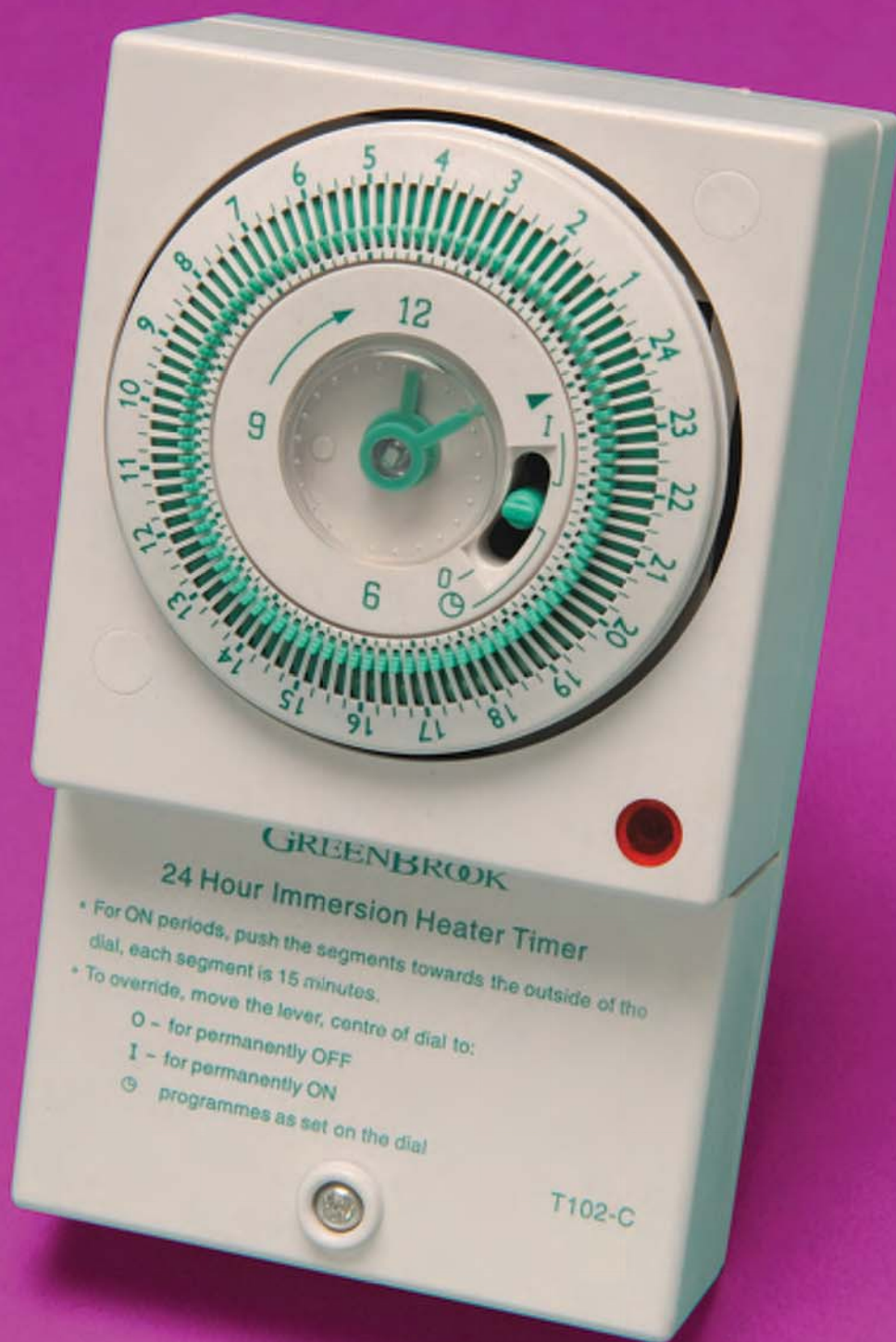


Timers & Sensors



Socket Box Timers
Immersion Timers
Central Heating Timers
Wall Switch Timers
Time Lag Switches
Plug-in Timers
Din Rail Mounted Timers
PIRs
Photocells

Socket Box Timers

Ideal for any general timing applications including lighting, security, heating and combination boilers.

- Timer 'on' status indicator
- Minute hand indicator (7 day)
- On/Timed/Off switch selector
- 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 13 amp resistive load
- 2A inductive
- Not suitable for discharge lighting applications
- Dimensions H77 x W72 x D43mm (plate 86 x 86)
- All product clammed for ease of display

7 Day Electronic

T105-C

24 ON/OFF programmes
Digital display



T105-C

24 Hour Mechanical

T100-C

96 ON/OFF settings
Analogue clockface



T100-C

7 Day Mechanical

T101-C

84 ON/OFF settings



T101-C

Immersion Heater Timers

- Timer 'on' status indicator
- Minute hand indicator (7 day)
- 230V AC 13 amp resistive load
- 2A inductive
- Dimensions H127 x W74 x D48mm
- All product clammed for ease of display



T102-C / T103-C

24 Hour Mechanical

- 96 ON/OFF settings per day, for maximum flexibility
- Manual override

T102-C Daily programming - allows daily control of hot water On/Timed/Off switch selector

T103-C Battery back up 24hr

7 Day Mechanical

T104-C 12 ON/OFF settings per day
On/Timed/Off switch selector
Weekly programming - allows weekly control of hot water



T104-C

7 Day Electronic

T106-C Easy to programme digital timer, 7 days a week
On/Timed/Off switch selector
24 ON/OFF programmes
Battery back-up 150 hrs
Manual override



T106-C

Central Heating Timers

7 Day Timers

- 230V AC, 5 amp resistive load, 2A inductive
- Dimensions H85 x W155 x D44mm

Central Heating Timer

T61-C

- Easy set channel timer
- 14 ON/OFF time settings
- Suitable to control heating with combi boilers
- One hour boost button
- Hinged panel conceals programming buttons
- Volt free contact available



T61-C

Twin Channel Heating & Hot Water Programmer

T62-C

- Controls heating and hot water independently
- 14 ON/OFF settings per channel
- Suitable to either pumped or gravity systems
- Separate boost button for heating and hot water



T62-C



T107-C

Dual Tariff Boost Timer

T107-C

- Controls use of off-peak cheap rate electricity
- Surface mounted
- From 15 - 120 minutes boost facility, with lamp indicator
- Easy to set time segments
- Anti tamper timer cover
- Battery back-up 24hr
- Dimensions H85 x W155 x D50mm

Wall Timers

Wall Switch Timers

Replaces a wall switch to provide timed switching of lights while still allowing normal switching operation.

- 2 way switch
- 40-400W - GLS lamps and most low energy lamps 11W and above
- Dimensions H86 x W86 x D27mm
- Replaces existing light switch
- Will still operate as a manual switch
- Fused



T40S-C

Wall Switch Security Timer

T40S-C

- Hinged cover also operates switch
- 7 day or 24hr programming
- 7 ON + 7 OFF programmes
- Battery back-up 24hr
- Use as a normal light switch with a simple touch control



T41D-C

Light Sensitive Wall Switch

T41D-C

- Light sensitive, turns on when dark
- Maintains lights on time, adjustable between 1-8 hrs
- Use as a normal light switch with a simple touch control

Wall Timers - cont'd

Time Lag Switches

For switching on lights for a pre-determined period.

- Loading up to 6 amps (1500W) of any type of load, including fluorescent lights.

Time Lag Switch

TIMLAG210 2 Wire - single pole
Time Lag Range 1 to 10 minutes
No neutral wire is required

TIMLAG320 3 Wire - single pole
Time Lag Range 2 to 20 minutes
Neutral wire is required

- with illuminated push button

TIMLAG210L 2 Wire - single pole
Time Lag Range 1 to 10 minutes
No neutral wire is required

TIMLAG320L 3 Wire - single pole
Time Lag Range 2 to 20 minutes
Neutral wire is required

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
- Rated Voltage - 230V, AC 50Hz
- GLS Load - 6A, 1440 watts
- Fluorescent Load - 3A, 720 watts
- Conforms to BS EN 60730-2-7

TLS Pneumatic Time Delay Switch
Weight 82.5g
Dimensions H85 x W85 x D42mm



TIMLAG210



TIMLAG210L



TLS



See also
Weatherproof Time
Lag Switch
page 18

Plug-in Timers

Regular Timer

- Manual override option
- 230V AC
- 13A (3kW) resistive load
- 2A inductive



T17B-C

7 Day Electronic Plug-in Timer / Adaptor

T17B-C 24 on and off programmes available

T74A-C Also available as twin pack

24 Hour Mechanical Plug-in Timer / Adaptor

T73A-C Operates with permanent, 15 minute, ON/OFF segments

T75A-C Also available as triple pack



T73A-C

Countdown Plug & Adaptor

- 230V AC
- 13A (3kW) resistive load
- 2A inductive
- Suitable for irons, small heaters, hair straighteners, soldering irons, etc



T76-C

Countdown Adaptor

Reduce the risk of fire through leaving an appliance switched on and unattended for an extended period. Ideal for

- Irons, Hair straighteners, Heaters, Soldering Irons, etc

T76-C Countdown period 0-3 hours

Countdown Plug

CDP1-C Re-wire appliance like a normal plug
Set time needed for the task in hand
When the time runs out, the Countdown Plug will beep then switch appliance off
Simply push to set time period needed (20, 40 or 60 mins)

CDP1 Box packed version

HSP1-C Clam packed specifically for hair straightener applications



CDP1-C



HSP1-C

Din Rail Mounting Timer



T80-C

Digital Compact Timer

- For use in consumer units and control panels.

T80-C

- 7 day or 24hr programming
- 16A resistive, 2A inductive,
- 230V, 50/60Hz
- Volt free contact
- 6 ON + 6 OFF programmes
- Din rail mounted
- 100 hour battery back up
- Dimensions H90 x W18 x D55mm (single module)

24hr Mechanically Timed Socket 13A

- Simply replaces your normal socket, with the added benefit of a timer application
- 24hr mechanical timed socket
- 48 on and 48 off settings
- 230V AC ~ 50Hz
- 13 Amp (4A inductive)
- Power consumption 0.9W
- Operation temperature -5°C to + 40°C
- Shortest switching time 15 minutes
- Programmable 15 minutes
- Dimensions H87 x W147 x D14mm



TS70A-C

pk qty

TS70A-C 24hr Mechanically Timed Socket 1 1
Clam packed

Thermostats

- Temperature range 5 - 35°C
- Class II
- IP20

RT90-C1 Break on rise
10A - 230V AC
resistive load

RT90-C3 Changeover contact
on opening contact 10A - 230V AC resistive
ohmic load
on closing contact 3A - 230V AC resistive load



RT90-C1 / RT90-C3

PIR Sensors - Outdoor

- IP44
- 230V AC 50Hz

PIR Sensor - 180°

- Angle of detection: Max 180° (adjustable to a minimum 25° with side sliders)
- Rotates through 180° horizontally & tilts 80° vertically
- Recommended installation height: 2.5 metres
- 12M detection range (at recommended installation height)
- Rotation of head: +/-35° in horizontal plane, 40° down in vertical plane
- Time on adjustable from 12 seconds to 20 minutes
- Photocell adjustable 5 to 300 LUX

IRD180A-C

Maximum load:
- 1200W Tungsten filament
- 500W Tungsten halogen



IRD180A-C



IRD270

PIR Sensor - 270 Degrees

- 270° angle detection
- 15M range
- Flat or corner universal mounting external sensor
- Manual override
- Time on range adjustable 5 secs to 5 minutes

IRD270

Max load 2000W Resistive
Black

PIR Sensors - Indoor

- The detection range is in a cone approx. 2.5M to 3.5M radius at floor level when mounted between 2.5M to 3.0M above the floor
- It should be mounted over the area where activity is expected, eg over a desk
- Setting the "time" adjustment determines how long the lights remain on after the switch has last detected movement
- Photocell override if sufficient daylight is available
- Maximum load not to exceed 6A (230 - 240V AC) of any type of load
- Time adjustment ranges from 10, 20, 40, 80, 160 seconds, 5, 10, 20, 40 mins (+/- 20%)

CFMPIR

Ceiling Flush mounted with PIR



CFMPIR



CSMPIR

CSMPIR

Ceiling Surface mounted PIR

Photocells

- Sensing of light for dusk/dawn switching

Photocell Kit

PEC1000

Electronic type complete with bracket
IP65
Detachable sensing module
Max switching capacity 10A
Max load 2000W Tungsten or 2 x 400W HPS or 1800VA
Max switching capacity 10A
Light level ON<20LUX - OFF>80LUX
Operating temp -20 to +80°C
Switching delay 10-15 seconds

PECH

Head only

PECB

Bracket only



PEC1000

Outdoor Photo Cell

PEC2000-C

Switches on at dusk - off at dawn
IP44
230V AC, 8A Resistive, 1000W Tungsten Halogen loads
On/Off time delay - 30-50 seconds (to avoid intermittent switching)
Sensor type cdS
Power on delay - 1 minute



PEC2000-C

PEC3000-C

Adjustable sensing level (2 to 2000 Lux)
Switches on at dusk & off at dawn
IP54
Adjustable time delay to avoid intermittent switching (20-120 seconds)
LED on/off indicator
230V AC, 10A Resistive - 1200W Tungsten Halogen loads



PEC3000-C

Photocells - cont'd

PEC4000-C

Outdoor Photocell

Dusk - Dawn with selectable on time 2, 4, 6, 8 hours

Adjustable light sensitivity 5 to 300 Lux

Max load

- 1200W Tungsten filament
- 500W Tungsten halogen

230V AC 50Hz

IP44

Pre-selected settings: Permanently off, Permanently on,
Dusk on/dawn off, Dusk on - switch off after delay
(of 2,4,6 or 8 hours)



PEC4000-C

PEC20



PEC20

Remote Photocell

Panel mounting Photocell

2000W Tungsten or 2 x 400W HPS

16mm thread size with lock rings

230V AC 50Hz

Light level ON<20LUX - OFF>80LUX

Operating Temperature -20°C to +80°C

Max switching capacity 10A

Switching delay 10-15 seconds

IP65 when fitted

52mm x 20.5mm x 20.5mm deep

Hole clearance 17mm Cable length 300mm

Smoke Alarm

SD-170

Smoke Alarm

9V Battery Operated (included)

'Low Battery' Warning Signal

Functional Test Button

Extra Loud Sound

Ionisation sensor - warns of
smoke and fire even before
flames are visible

Small size - Dia. 108mm



SD-170

RCD Fused Spurs

Suitable for use with all electrical appliances, eg public washrooms and areas where water is present, plus fixed electric appliances such as domestic machines in the home, cold drink dispensers and hotel hairdryers.

- Conforms to BS5733, BS7288
- Trip indication by illuminated mechanical trip indicator
- Integral cord outlet and cable clamp
- Fuse holder can be locked out for safety
- Twin earth terminals

Technical Data

Rated voltage	230V AC 50Hz
Max operating current	13A (13A inductive)
Rated trip current	30mA
Typical trip speed	<40mS
RCD contact break	Double pole
Latching	Mechanical, no need to reset after power loss
Responsive to	Pulsating DC earth faults

H92WP-C

White

H92WP-C	White moulded polycarbonate front plate
	Fits 25mm standard back box
	Dimensions H85 x W85 x D38mm (surface projections 22mm)

Metalclad

H92MP-C	Complete with metal back box
	Dimensions H84 x W84 x D60mm (including back box)

H92MP-C

PowerBreaker THE FIRST SINCE 1975

IP55 Spur Products
see Weatherproof
page 17

RCD Plugs & Adaptors

All PowerBreaker RCD Adaptors & plugs feature -

- Conforms to BS7071, BS1363
- Single button test/reset operation
- Mechanical trip indicator

Technical Data

Rated voltage	230V AC 50Hz
Max operating current	13A (3A inductive)
Rated trip current	30mA
Typical trip speed	<40mS
RCD contact break	Double pole
Latching	Electrical, needs resetting after power loss
Responsive to	Pulsating DC earth faults

J72G-C

J72G-C	PowerBreaker RCD Plug
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J02-C	PowerBreaker RCD Adaptor
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J02-C

RCD - In-line

The PowerBreaker J62 provides added personal protection against electrocution when using electrical equipment in adverse conditions. The unit has double pole protection and is now rewirable. For use in adverse conditions, such as building sites, plant applications, industrial manufacturing, where water presents a danger and rough handling is expected, trips on loss of power supply, preventing unexpected start up of equipment.

- Conforms to IEC61540
- Suitable for BS/European power supply systems
- Robust construction
- Double pole breaking
- Mechanical flag to indicate contact position
- Separate test and reset buttons

Technical Data

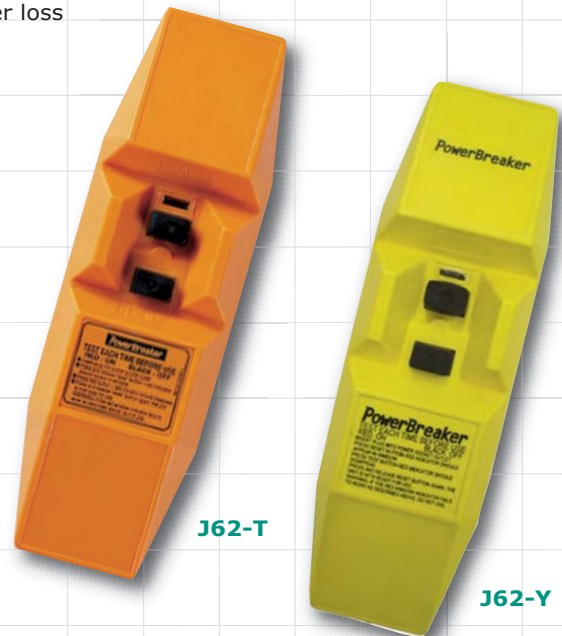
Rated trip current	30mA
Typical trip speed	<40mS
RCD contact break	Double pole
Latching	Electrical, needs resetting after power loss
Responsive to	Pulsating DC earth faults

Heavy Duty - Rewirable Terminals

- IP65
- Max operating current 16A (3A inductive)

J62-Y 110V AC ~ 50Hz

J62-T 230V AC ~ 50Hz



J62-T

J62-Y

Fully Portable

The PowerBreaker J63 is an In-line IEC lead which incorporates an RCD for the protection of personnel using permanent or semi-permanent equipment on many commercial and industrial applications.

- For indoor use



J63-X

J63-X

230V AC ~ 50Hz
Max operating current 10A
(3A inductive)



Contact us

01279 77 27 00
sales@greenbrook.co.uk
www.greenbrook.co.uk

SafetySure Brand



Technical Data

Rated voltage	230V AC 50Hz
Max operating current	13A (3A inductive)
Rated trip current	30mA
Typical trip speed	<40mS
RCD contact break	Double pole
Responsive to	Pulsating DC earth faults



M04-C



M74-C

SafetySure Adaptor & Plug

- All SafetySure RCD Plugs and Adaptors fully comply with BS7071 & BS1363
- Electrically latched, needs resetting after power loss

M74-C RCD Plug

M04-C RCD Adaptor

SafetySure Sockets & Spurs

- Dual Earth Terminals
- Conforms to BS7288:1990 & BS1363
- Individually packed in sealed polybag with euro slot - pk qty 5
- Mechanically latched, no need to reset after power loss



M22W

Sockets - unswitched

M22W RCD Twin unswitched Socket - White

M22M RCD Twin unswitched Socket - Metalclad



M22M

Contact us	01279 77 27 00
	sales@greenbrook.co.uk
	www.greenbrook.co.uk

Fused Spurs

M92W RCD Fused Spur - White

M92M RCD Fused Spur - Metalclad



M92W



M92M

