TIMEGUARD LIMITED

TPSL01, TPSL02, TPSL03, TPSL04
TPS101, TPS201, TP203

INSTRUCTIONS

POWERSEAL OUTDOOR POWER SUPPLY

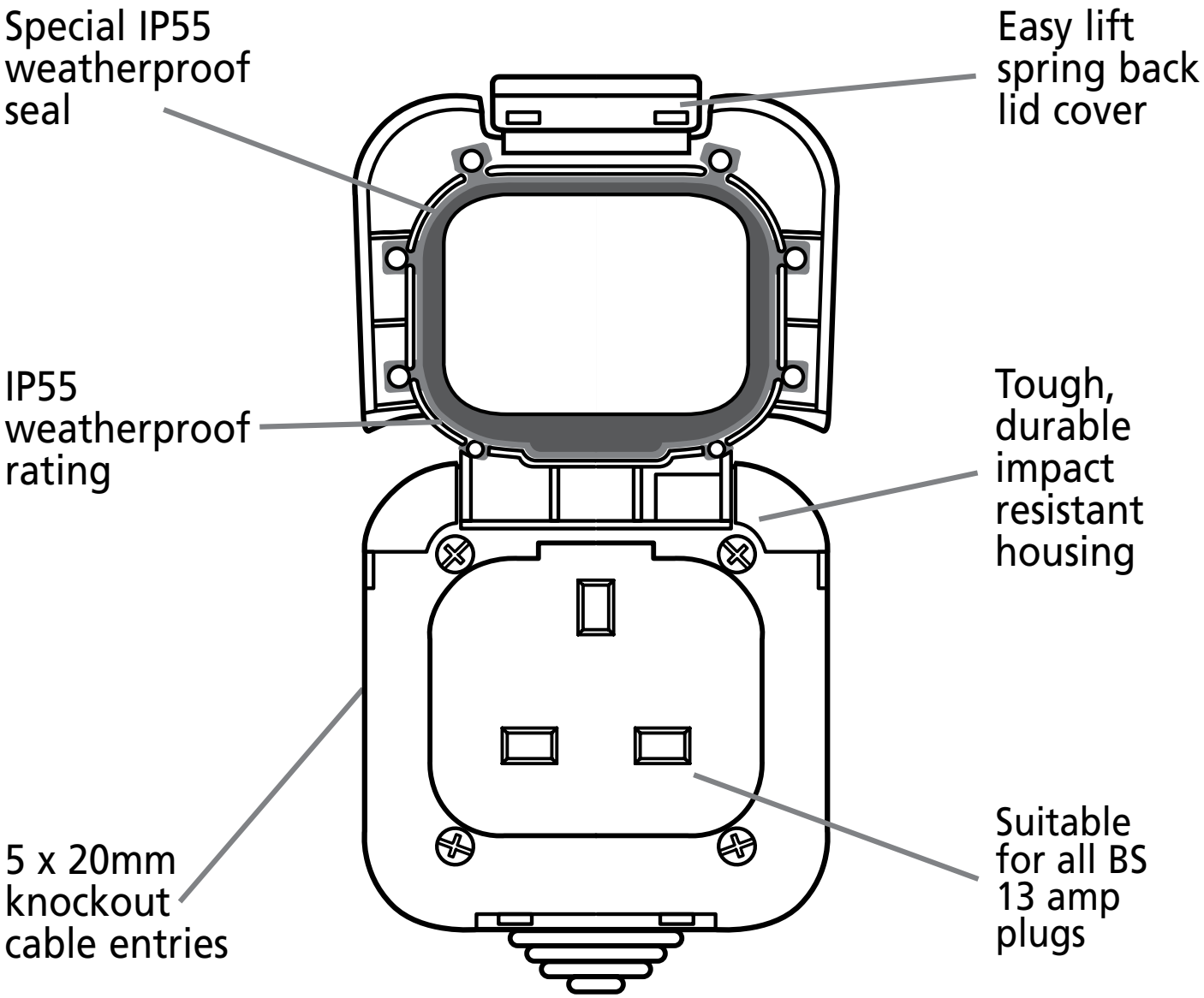
POWERSEAL IP55 RATING -SWITCHES-

POWERSEAL IP55 RATING -SOCKETS- When Lid Closed

THREE YEAR 3 GUARANTEE

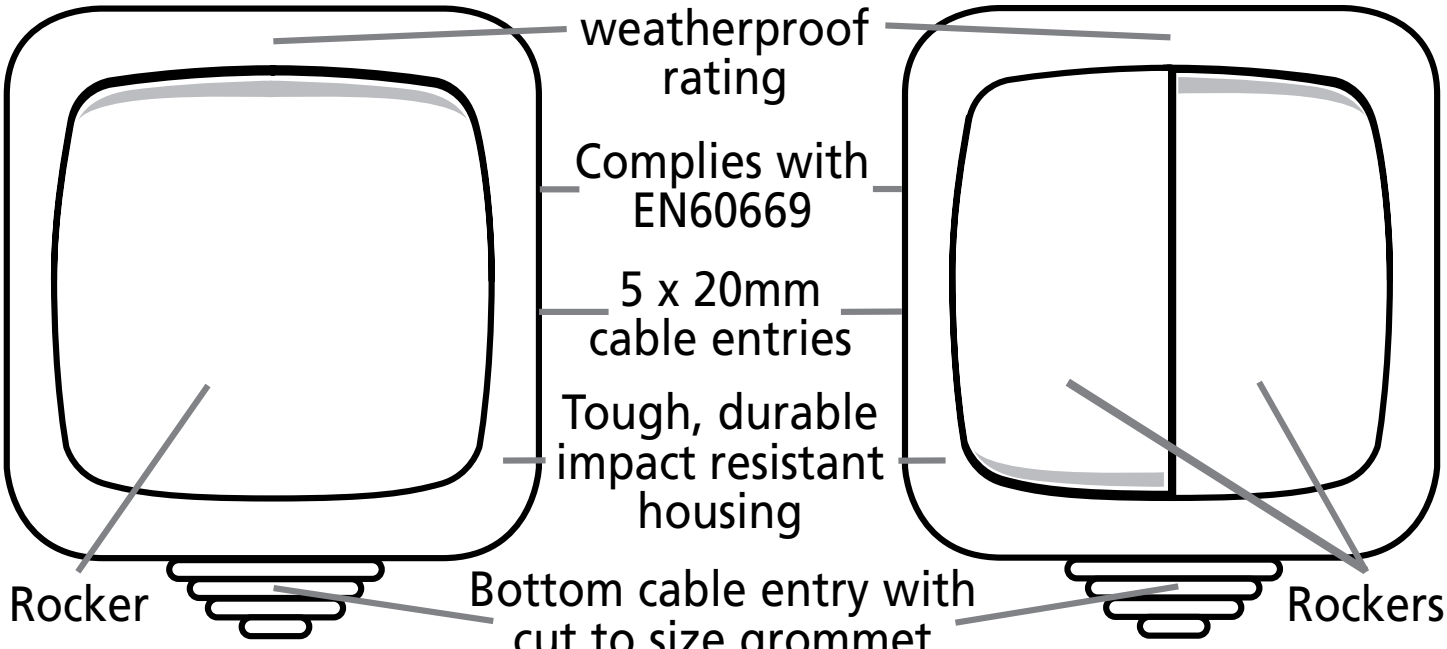
1 Product Range Covered

TPS101 Single Socket Outlet Unit

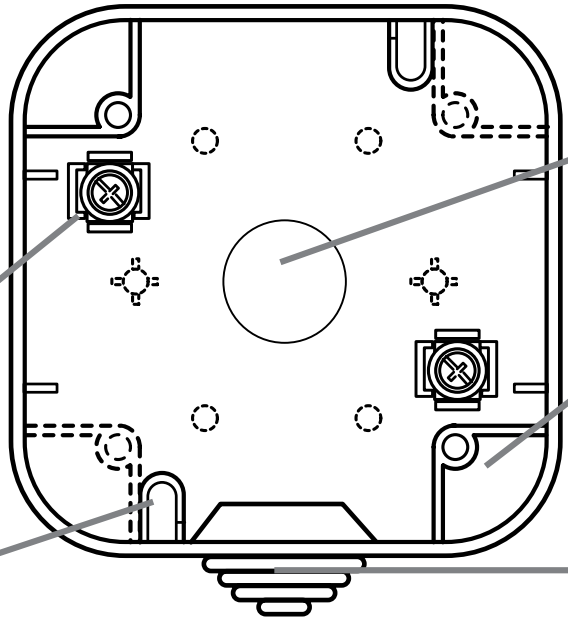


TPSL01 Single Switch
TPSL03 Single Bell Push Switch
TPSL04 20AX DP Switch

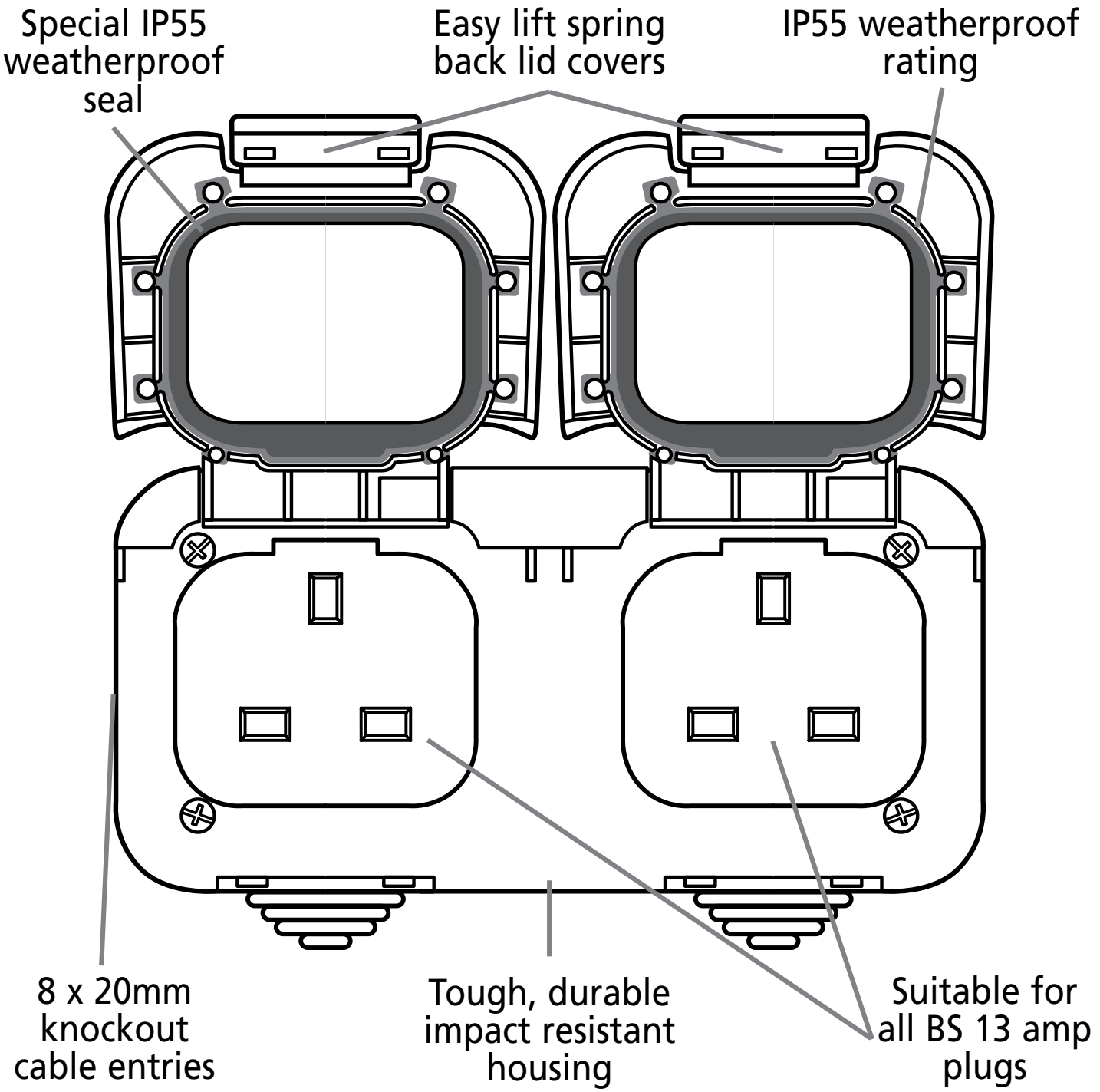
TPSL02
Double Switch
(single gang size)



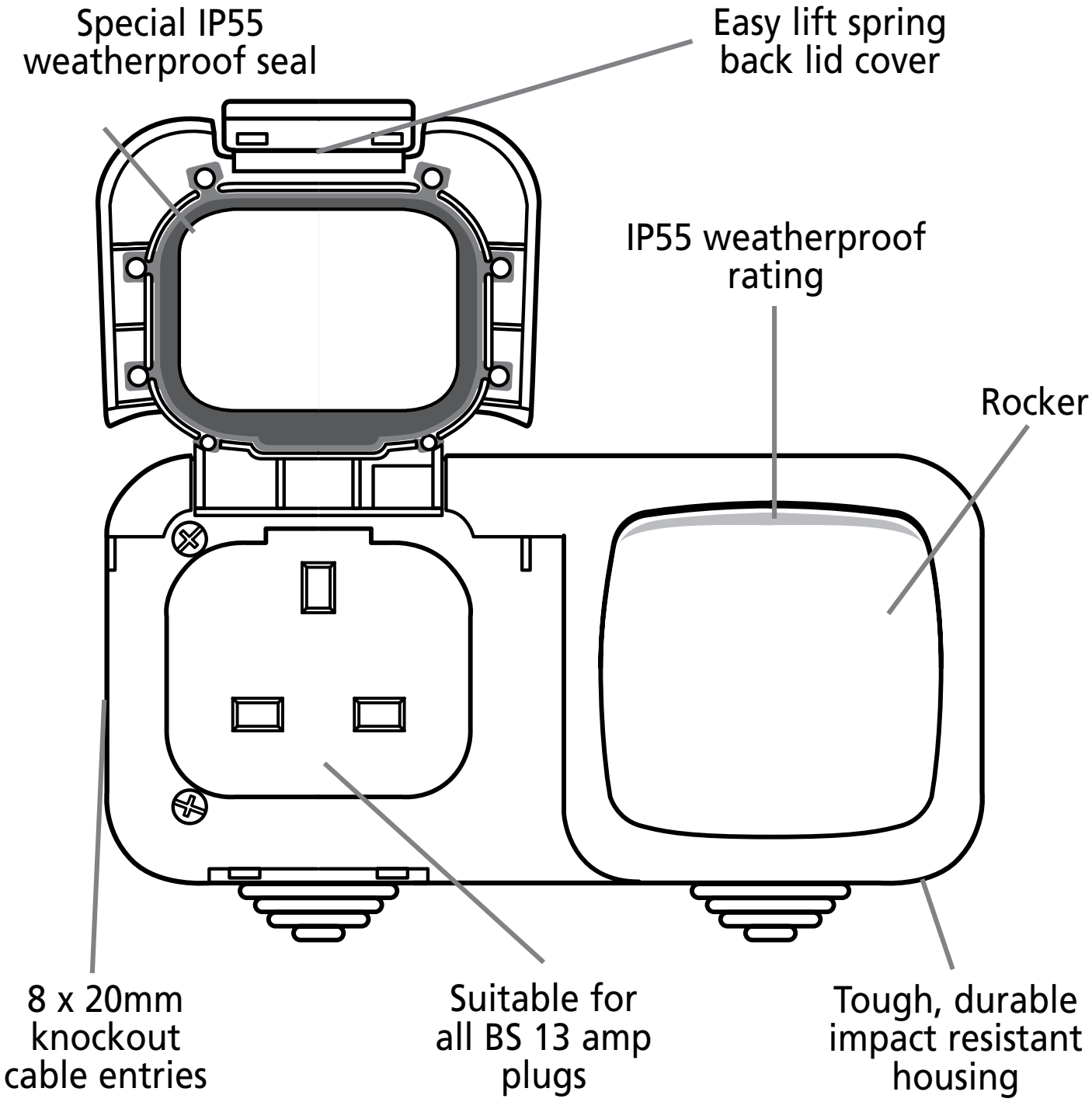
Single Gang Back Box
(TPS101, TPSL01, TPSL02, TPSL03, TPSL04)



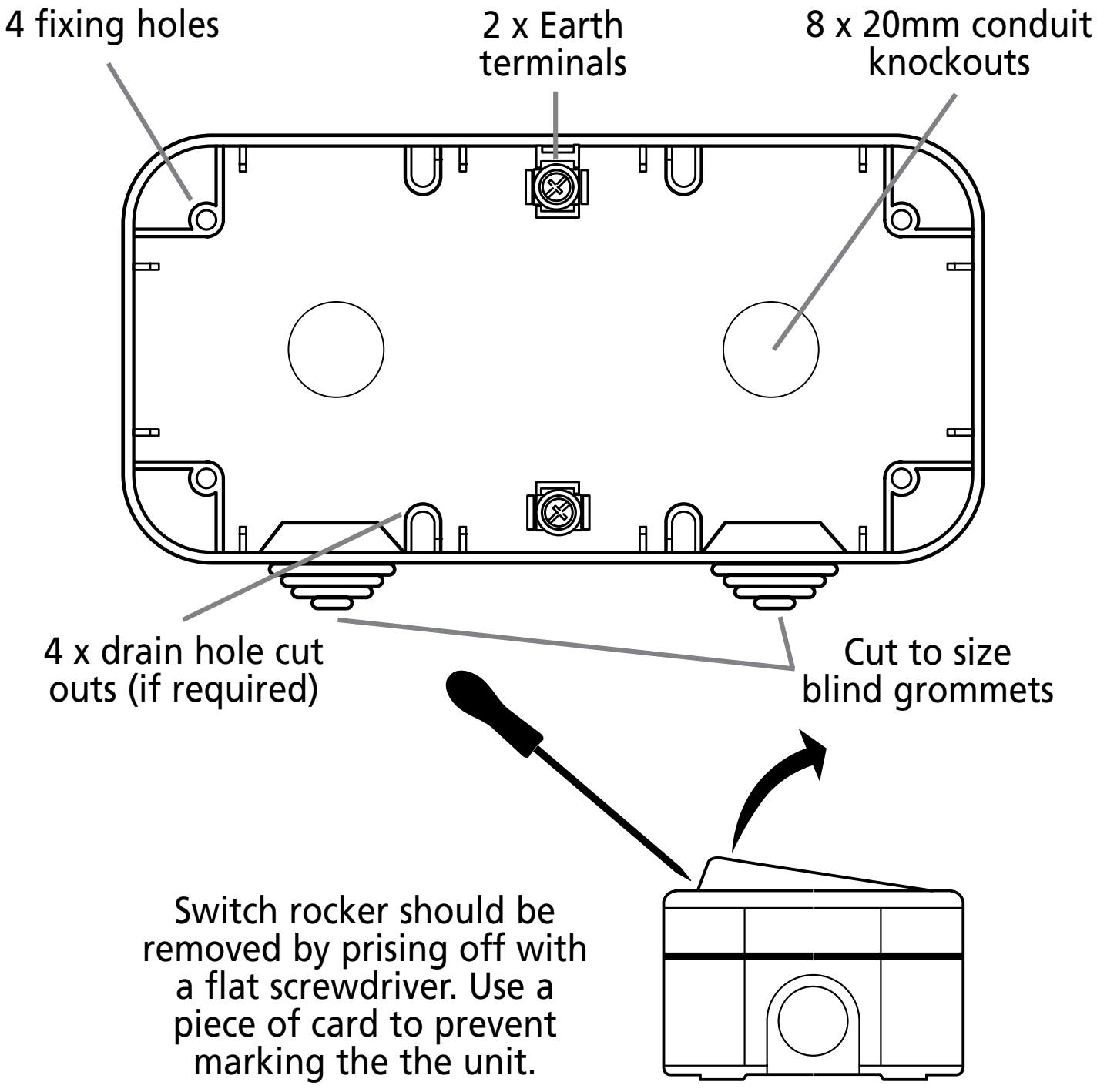
TPS201 Double Socket Outlet Double Gang Unit



TP203 20A Switch and 13A Socket Outlet Double Gang Unit



Double Gang Back Box (TPS201, TP203)



2 Installation

This product must be installed in accordance with the appropriate Building and Wiring Regulations.

In all cases if there is a doubt as to how to proceed with an installation consult a qualified electrician, your Local Authority's Building Control Department or the Timeguard Helpline (020 8450 0515).

For the switches the screws holding the case halves together are located beneath the rocker(s) (front plate switch actuator(s)).

To remove the rocker first press rocker inwards at the blind grommet end, then, removing hand from there, force fingers as far as possible between the opposite end of the rocker and the case, pulling the rocker outwards. The rocker will unclick at it's pivot point.

If it is not possible to exert enough force by hand, use the technique shown at the foot of the previous page.

2.1 Cable Entry

Try to avoid siting the units in areas where there is direct sunlight for any length of time.

Cable entry can be made via conduit into any of the 5 (8 for the double socket TPS201 and switch socket TP203) knock outs on the top, bottom, sides or back of the back box. In all cases ensure there is a drain hole at the lowest point in the attached conduit system.

The knock out outline should be heavily scored with a sharp knife before tapping out.

The appropriate sealing washers for the conduit in use must be used to maintain the IP rating. The use of any knock outs apart from the one(s) at the bottom requires that the lower drain hole(s) on the back box is opened and the IP rating may well be reduced.

The blind grommets may be used for cable entry at the bottom 20mm hole(s). They must not be used in any other position (including the rear) or the IP rating may be severely prejudiced.

The blind grommets should be pierced centrally to give an undersize hole of a similar shape to the cable cross section.

2.2 Fixing Back Box

Drill 2 holes (4 for the double socket TPS201 and switch and socket TP203) according to the dimensions given on the rear of the back box. Fix with round head no. 8 woodscrews or equivalent using wall plugs if necessary. The length of the screw will depend on the surface being fixed to, for example fixing to roughcast would require a longer screw than fixing to brickwork.

2.3 Connecting Cables

Allow sufficient excess cable to wire up the socket(s) or switches but not too much to make it difficult to close the front plate onto the back box.

2.3.1 Sockets

In spur configuration we recommend feed cable of 1.5 sq. mm for the single socket and 2.5 sq. mm for the double socket. If the unit is to form part of a ring then incoming and outgoing cables must both be 2.5 sq. mm (with the double socket we recommend that the incoming and outgoing cables can be connected to one socket each with a 2.5 sq. mm bridging cable between the two sockets.

Use back box earthing terminals to maintain earth continuity where required.

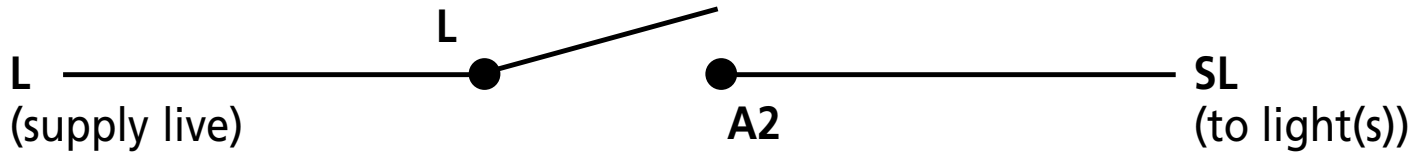
With the TP203 switch and socket the double pole switch may be used independently from the socket for switching e.g. lighting, or it may be used to switch the live or live and neutral supply to the socket outlet.

2.3.2 Switches

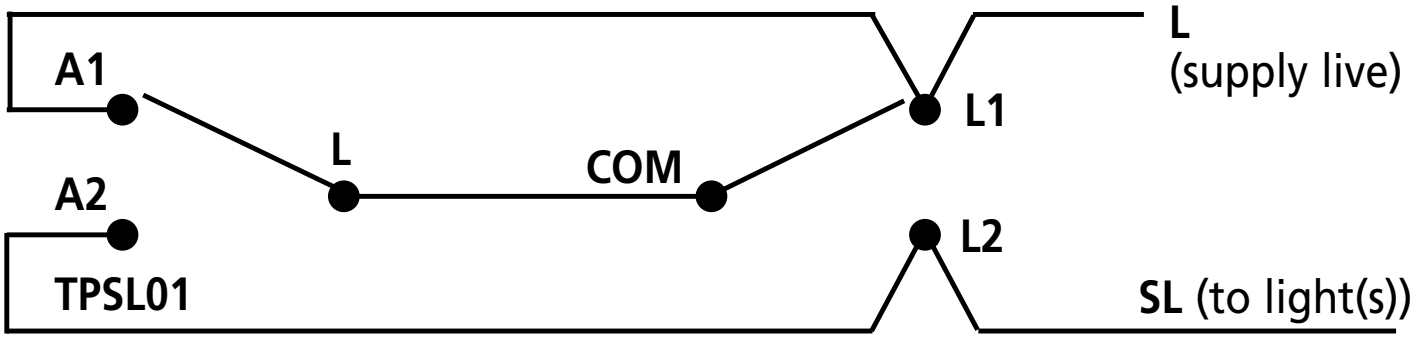
These switches are not suitable for intermediate use in three way (and above) systems. Wiring to the switches would normally be in 1 sq. mm or 1.5 sq. mm for heavier loads.

Use back box earthing terminals to maintain earth continuity where required.

2.3.2.1 Single Switch (TPSL01) - On/Off

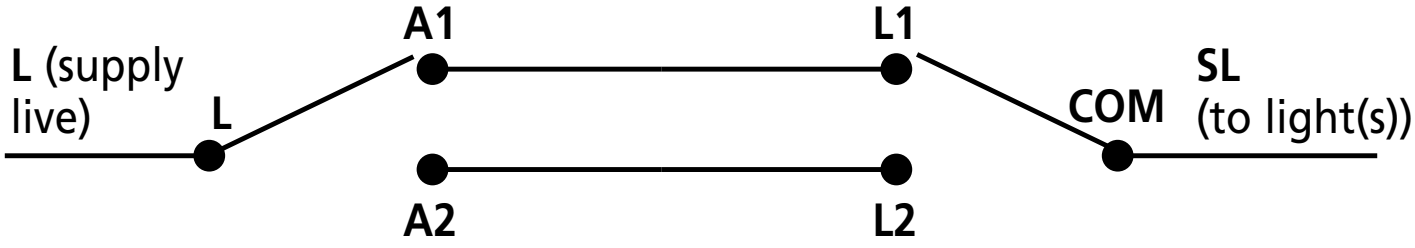


2.3.2.2 Single Switch (TPSL01) - 2 Way (Strapping Cable)



Standard Switch (remote)
(could also be a second TPSL01or half a TPSL02)

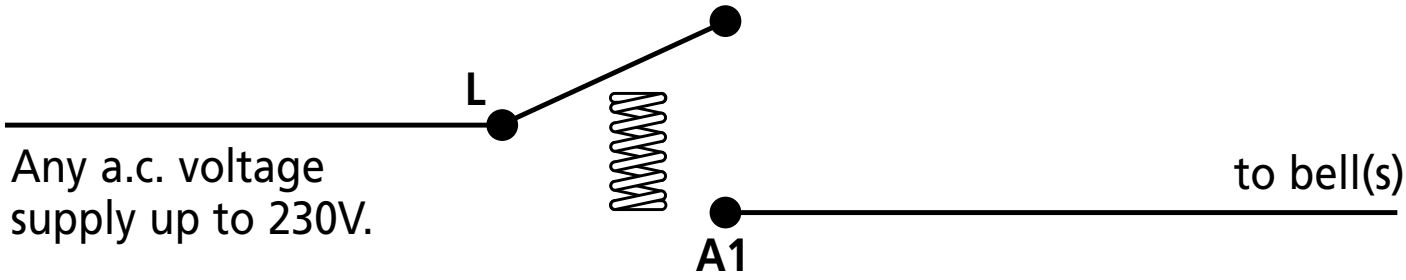
2.3.2.3 Single Switch (TPSL01) - 2 Way (Remote Live Access)



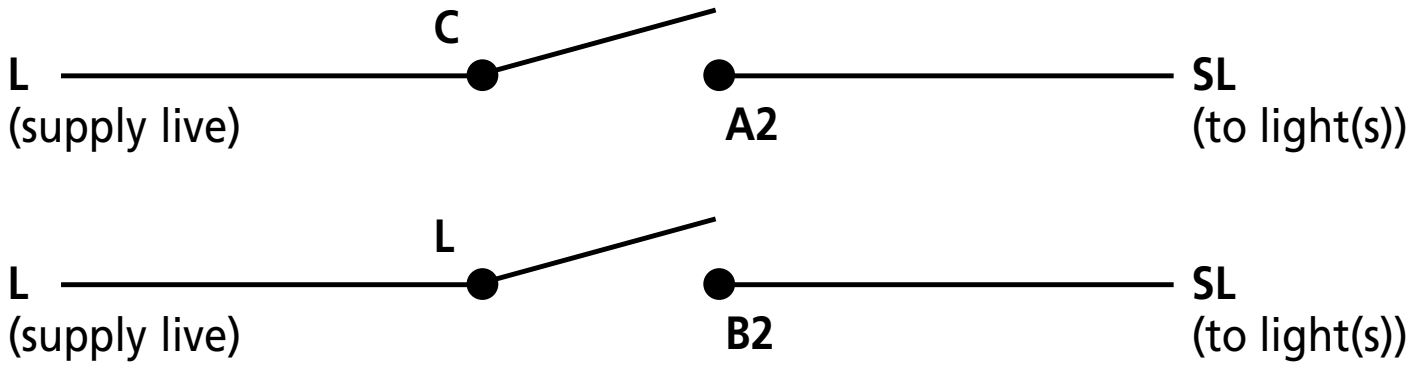
TPSL01
Connections to SL (lights) and L (supply live) can be swapped if required.

Standard Switch (remote)
(could also be a second TPSL01 or half a TPSL02)

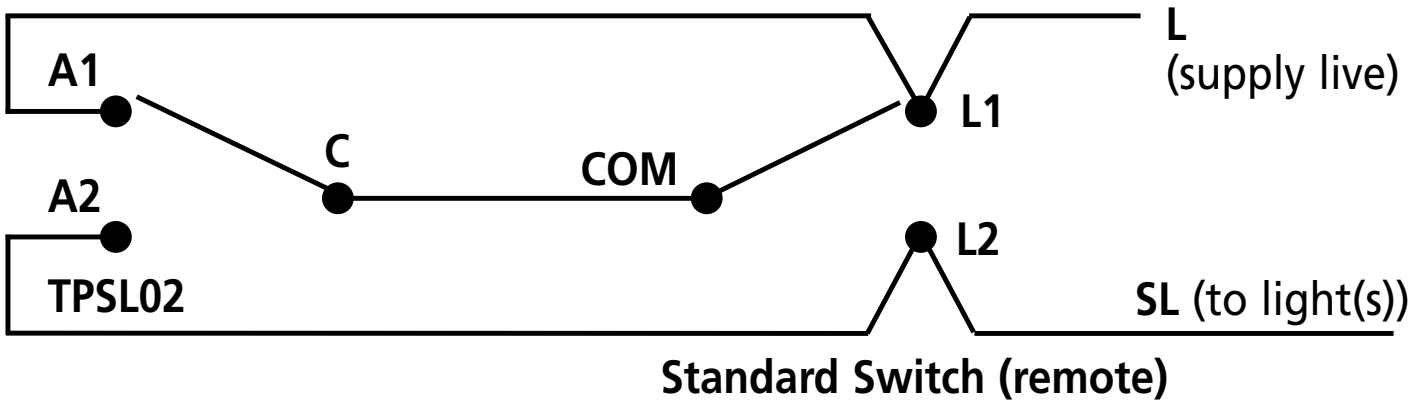
2.3.2.4 Bell Switch (TPSL03) - On/Off Only

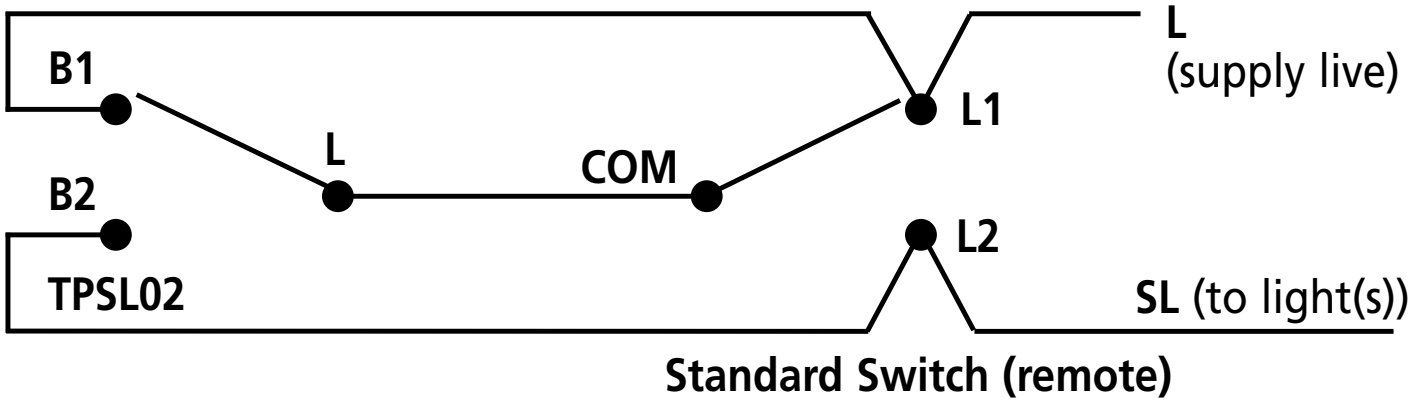


2.3.2.5 Double Switch (TPSL02) - Both On/Off



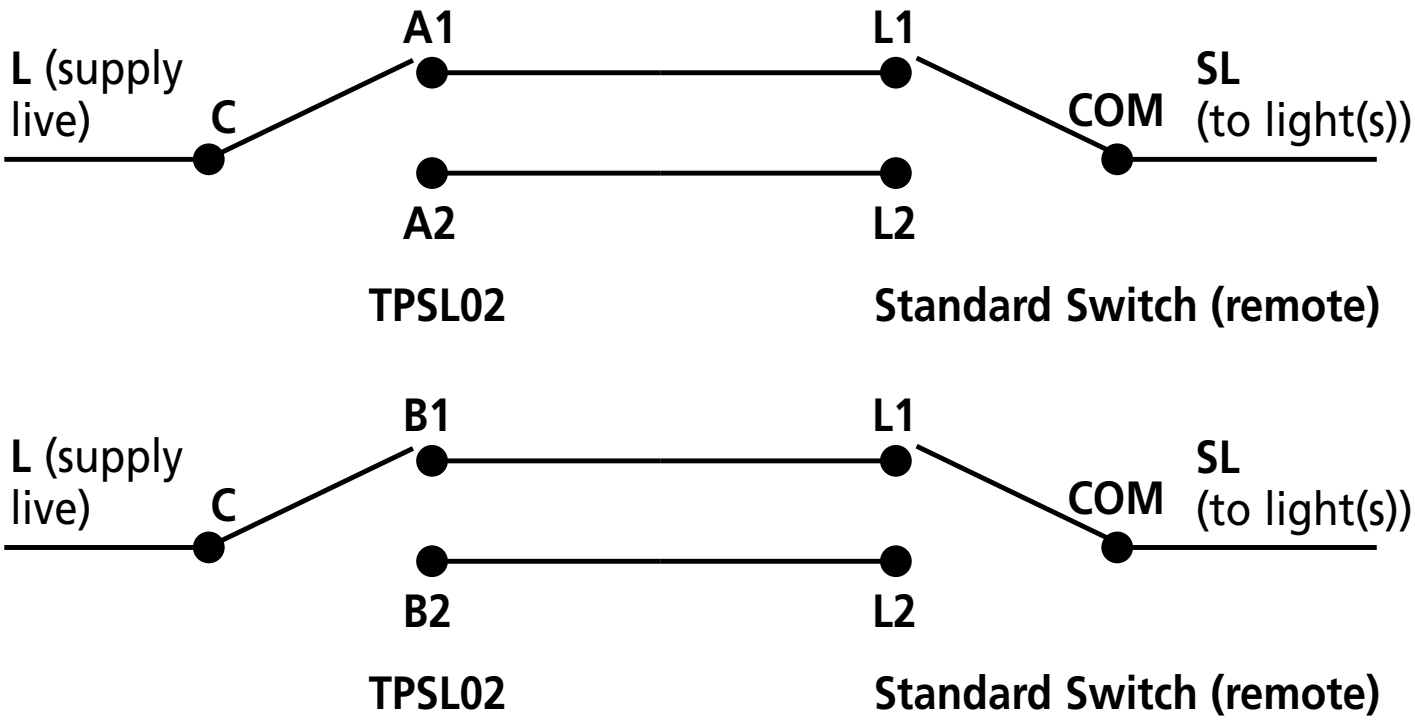
2.3.2.6 Double Switch (TPSL02) - Both 2 Way (Strapping Cable)





Either standard switch could be a TPSL01 or half a TPSL02.

2.3.2.7 Double Switch (TPSL02) - Both 2 Way (Remote Live Access)



Either standard switch could be a TPSL01 or half a TPSL02). Connections to SL (lights) and L (supply live) can be swapped if required.

2.3.2.8 TPSL04

This has two ON/OFF isolated switches controlled by a single rocker which can be wired to switch both live and neutral for a single circuit or can be wired to switch live only for two circuits (where the total load exceeds 20A) or can provide totally independent control of two circuits (albeit simultaneously).

3 Specifications

3.1 Sockets

Current rating:	
(single TPS101, TP203)	13A to BS1363
(double TPS201)	20A to BS1363
Voltage:	230V, 50Hz a.c.
Weatherproof rating:	IP55
Operating temperature range:	-10 to 40°C
Installation temperature range:	0 to 30°C
Complies with:	BS1363
Conforms to directives:	73-23-EEC, 89-336-EEC

3.2 Switches

Current rating:	
(TPSL01, TPSL02, TPSL03)	10AX (10A fluorescent rated)
(TPSL04, TP203)	20AX (20A fluorescent rated)
Voltage:	
(TPSL01, TPSL02, TPSL04)	230V, 50Hz a.c.
(TPSL03)	Any voltage up to 230V, 50Hz a.c.
Weatherproof rating:	IP55
Operating temperature range:	-10 to 40°C
Installation temperature range:	0 to 30°C
Conforms to directives:	73-23-EEC, 89-336-EEC

3 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture within 3 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. For years 2 and 3 or any difficulty in the first year telephone the helpline on **020 8450 0515.**

For a product brochure please contact:
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or email csc@timeguard.com
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