

Shaver Socket Outlets

Shaver Supply Units with Safety Isolating Transformer



Contents

A	Scope	2
B	Product Features	3
C	Safety Instructions	5
D	Installation	7
E	Disposal Instructions	11
F	Changing the Fuse	12
G	Guarantee	14

Please leave this leaflet with the end user for future reference

40768PL Ed.5

A. SCOPE

These instructions are for MK 'Logic Plus', 'Albany Plus', 'Chroma Plus', 'Grosvenor Plus' and 'Savoy Plus' range of shaver socket outlets and shaver supply units with safety isolating transformer.

2

B. PRODUCT FEATURES

Shaver Socket Outlet – MUST NOT BE INSTALLED IN BATH
Non-isolated, Fused **OR SHOWER ROOMS**
Input/Output 200-250V, 50 Hz 0.2A
This product accepts all British, European and Australian plugs rated at 230V only.

Shaver Supply Unit with Safety Isolating Transformer
Input 230V* 50 Hz. Output 115 V/230V 20VA
* Will accept all normal variations in UK supply i.e. 220-240V.
This product accepts all the plugs listed below.
Input 127 V*, 50/60 Hz. Output 115 V/230V 20VA
* Will accept voltage variations in supply between 120-130 volts.
This product accepts all the plugs listed below.

Recommended MK mounting boxes
Flush Metal 861 ZIC
Surface Plastic K2140 (Logic Plus only)
Minimum metal mounting box depth – 25 mm

Recommended MK mounting boxes
Flush Metal 878 ZIC
Minimum metal mounting box depth – 47 mm
Surface Plastic K2172 WHI (Logic Plus only)

Recommended MK mounting boxes
Flush Metal 878 ZIC
Minimum metal mounting box depth – 47 mm
Surface Plastic K2172 WHI (Logic Plus only)

Plugs for use in Shaver Sockets

1. British 5mm Dia Pins on 16.6mm Pitch (230V Socket) to BS 4573: 1970.
2. European 4mm Dia. Pins on 17 to 19mm Pitch (230V Socket) to IEC 83: 1975 Standard C5.

3. Australian 6.5 x 1.6 Flat Blades each set at 30° from the vertical on a nominal pitch of 13.7mm (230V Socket) to AS C112: 1964.
4. American 6.6 x 1.6 flat horizontal blades on 12.7mm Pitch (115V Socket) to ANSI C73.10.

3

4

C. SAFETY INSTRUCTIONS

1. To prevent the risk of electrocution it is essential to turn off the mains electricity supply before commencing work.
2. Do not work on this product live.
3. To ensure a safe installation;
 - this product should be installed by a competent person (e.g. a qualified electrician) in accordance with these instructions and the appropriate clauses of the current edition of the IEE wiring regulations (BS 7671).
 - all metal wall boxes and isolated shaver supply units must be earthed and the earth leads adequately sleeved.
 - **a non isolated fused shaver socket outlet must never be installed in bathrooms, washrooms or any location subject to**

splashes, condensation or damp conditions.

- it is essential that all connections are made as instructed, that cables are not stressed and that terminal screws are fully tightened.
4. Ensure that all electrical connections are correct and fully secured and that the product is screwed securely to its mounting box before turning the mains electricity supply on.
 5. Isolated shaver supply units should be connected to a mains supply protected by an MCB or fuse of 10 amps maximum rating, such as lighting circuit, or alternatively to a fused connection unit that complies with BS1363: Part 4 supplied from a ring circuit.

5

6

D. INSTALLATION

IMPORTANT

Refer to safety instructions before starting work.

1. Ensure the mounting box is firmly secured to the wall.
Attention: Care should be taken when surface mounting a shaver supply unit with safety isolating transformer using box, MK list number K2172 WHI. 'Logic Plus' products will only fit this box in one orientation. When considering the required position of the cable entry, the box must be mounted such that the earth terminal in the mounting box is positioned in the bottom left hand corner.
2. Strip back outer cable sheath and trim wires to the appropriate length to allow cable ends to reach terminals.

3. Carefully strip red and black insulation by 13mm (0.5 inches).
4. Slide a length of green/yellow insulating sleeve onto bare earth wire.

IMPORTANT

You must connect the correct wire to the correct terminal.

The red wire must be connected to the terminal marked L. The black wire must be connected to the terminal marked N.

The bare wire (sleeved green/yellow) must be connected as follows:

- **On isolated shaver supply units connect to the terminal marked ⊕.**
Where a mounting box earth terminal is provided connect a length of green/yellow

7

8

D. INSTALLATION (Cont.)

sleeved wire between this terminal and the earth terminal on the socket.

- On fused shaver socket outlets connect to the mounting box earth terminal. If an insulated mounting box is to be used, then a suitable earth terminal should be fitted to the box. Metal wall boxes must be connected to earth.

5. Insert the bared ends of the wires into the corresponding terminals and securely tighten the terminal screws.
6. Remove frontplate fixing screws from their location on the back of the product.
7. Carefully push wired unit back into the mounting box, ensuring cables are not trapped or pinched.
8. Locate and tighten frontplate fixing screws as supplied. Do not over tighten screws, to do so may damage frontplate or box threads.

The completed installation should be tested in accordance with the current IEE wiring regulations by a qualified electrician.

If in any doubt, contact MK Technical Sales Services Department. Telephone 01268 563720 (National), +44 (0) 1268 563758 (International).

9

10

E. PRODUCT DISPOSAL

At the end of its useful life, products and packaging can be safely disposed of via standard refuse facilities.

11

F. CHANGING THE FUSE

Fitting or changing the fuse on non-isolated fused shaver socket outlets.

- i) Unscrew the fuse carrier jacking screw to partially eject fuse carrier (see **figure 1**). Pull carrier out and remove fuse (see **figure 2**).

NOTE: Fuse carrier cannot be fully removed from the product.

- ii) Fit a new fuse, push carrier in and tighten jacking screw until carrier is fully home i.e. flush with surface of unit. Do not over tighten the screw.

Always fit a BS 646 type 1 Amp fuse
MK Catalogue number 601.

12

F. CHANGING THE FUSE (Cont.)

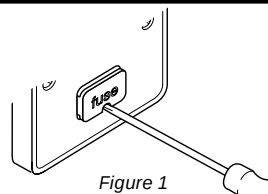


Figure 1

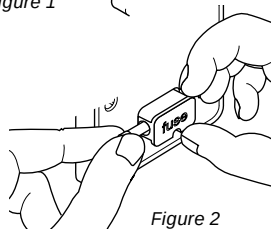


Figure 2

13

G. GUARANTEE

The Company undertakes to replace or repair, at its discretion, this product should it become defective within a period of 10 years after delivery, solely as a result of faulty materials and/or workmanship. Understandably, if the product has not been installed or maintained in accordance with the Company's instructions, has not been used appropriately, or if any attempt has been made to rectify, dismantle or alter the product in any way, the guarantee will be invalidated.

This Guarantee states the Company's entire liability. It does not extend to cover consequential loss or damage or installation costs arising from the defective product. This Guarantee does not restrict or infringe the normal statutory or other rights of the consumer.

14

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Compliance with E.U. Directives

These products conform to BS3535:1996 or BS4573:1970, as appropriate, are manufactured in accordance with ISO9002 and comply with the LV directive (72/23/EEC).

15



It's simply safer to say MK™

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16