

## Grid Plus Frames

*Please leave this leaflet with the end user for future reference*

- To prevent electrocution, do not work on any appliance live. Turn off mains before commencing work.
- This product must be installed by a competent person in accordance with the current editions of the IEE Wiring Regulations (BS7671) and Buildings Regulations. If in any doubt, consult a qualified electrician.
- These products must NOT be installed in Bathrooms. See the current edition of the IEC wiring regulations.
- Ensure all terminal screws are fully tightened and the mounting box and product are securely fixed to the wall prior to turning on the mains supply.
- To avoid fire hazard, do not exceed the maximum rated current of any product.
- Product and packaging should be disposed of via standard refuse facilities



43497PL Ed.3

### GENERAL INSTALLATION INSTRUCTION

1. Ensure mounting box is securely fixed to the wall.
2. The earth cable is normally a bare wire. Slide a length of green/yellow sleeving over the wire and connect it to the earth terminal in the box. Also connect a length of green/yellow sheathed earth lead between the same box earth terminal and the earth terminal on the grid frame.
3. Ease the other conductors through the aperture in the front of the Grid frame and screw the frame to the box.
4. Connect the supply cables to the Grid module. Refer to a later section of this leaflet for instructions applicable to the module of your choice.
5. Always remember to tighten terminal screws securely.
6. Once the module has been wired, carefully push it back through the grid frame until the clip on the top of the module has clicked into place. (Fig. 1)

7. Ensure no conductors are pinched or trapped.
8. If necessary the modules can be removed by placing the blade of a screwdriver just above the top clip and carefully levering it out (Fig. 2).
9. Ensure everything in the assembly is secure and is wired correctly, then locate the front plate over the assembly and secure using the screws provided.
10. Do not over tighten the screws, to do so may damage the front plate, fixing screws, or Grid frame.

### FLUSH MOUNTING GRID PRODUCTS

1. On the two side edges of the Grid frame there are protrusions intended to rest against the wall.
2. This automatically sets the correct height of the frame and the modules in relation to the front plate.
3. If the mounting box is not squarely set in the wall, such that the front plate appears crooked. Do not

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use force, simply remove the front plate, loosen the Grid frame, (one end has a slot to allow it to be adjusted) centralise it, tighten the screws and then refit the front plate.

### SURFACE MOUNTING METALCLAD PLUS (ALM) GRID PRODUCTS

1. Use the appropriate box for the installation, dependent on the number of modules required. The MK list numbers are as follows:  
K8891 for 1 & 2 modules  
K8892 for 3 & 4 modules  
K8893 for 5 & 6 modules
2. On the two side edges of the Grid frame there are protrusions intended to rest within the four recesses in the edge of the box.
3. This automatically sets the correct height of the frame and the modules in relation to the front plate.

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### SURFACE MOUNTING LOGIC PLUS (WHI) PRODUCTS

1. Once again, be sure to use the appropriate box -  
K2140 for 1 & 2 modules  
K2142 for 3 & 4 modules
2. The Grid frame should be tightened down until the protrusions on the two side edges of the Grid frame are just below the lip of the box.
3. When ready to fix the front plate, offer it up over the protrusions on the two side edges of the Grid frame and tighten the fixing screws. If the modules are too tight up behind the front plate, or are slightly sub-flush, remove the plate, adjust the frame screws as required and refit the front plate.

#### Note:

**Logic Plus front plates intended for more than 4 modules are only suitable for flush mounting.**

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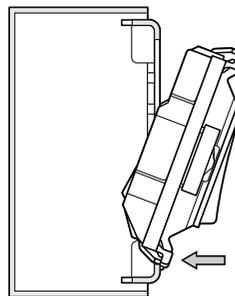


Fig 1

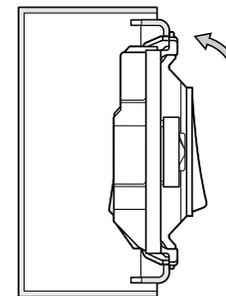
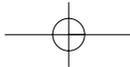


Fig 2

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### INSTALLATION OF SWITCHES

#### DP and 1 or 2 way switches

1. All line conductors should be marked red. This can be achieved by fitting a length of red insulation sleeving to the trimmed end of any conductor with insulation other than red. e.g. a two core and earth cable drop from a ceiling rose to a switch.
2. Connect the wires to the correct terminal designations according to the marking on the back of the switch.
3. Orientate the module so that "top", marked on the back of the module, is uppermost in the installation. A conventional rocker position and operation will then be achieved.
4. If replacing a switch, take careful note of the wire positions and terminal marking on the old switch, so connections to the new switch can be achieved.
5. Clip module into the grid frame and complete installation as described in the General installation Instructions described above.

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### INSTALLATION OF FUSE MODULE

1. Only the line cable should be connected to the Fuse Module. The Line supply from the mains should be connected to one end and the Line feed to the appliance/fixture, from the other.
2. Clip module into the grid frame and complete installation as described in the General Installation Instructions described above.
3. To change the fuse, unscrew the fuse carrier fixing screw to partially eject the carrier.
4. Hold one hand below the fuse carrier to catch the fuse, pull the carrier out until the fuse cartridge falls out.
5. Note: The fuse carrier cannot and should not be forced fully out of the product.
6. If it is intended to work on the system controlled by this product, it is possible to fit a padlock (MK part No. K2000) through the fuse hole, to ensure the fuse cannot be re-installed and the current connected without the knowledge of the user.

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### INSTALLATION OF DIMMERS

Grid Dimmers come complete with their own instruction leaflet. For the general installation in the grid frame, see the General installation instructions described above.

### INSTALLATION OF INDICATORS

1. Only two terminals are used on this module, for both Line and Neutral.
2. Ensure the word "top", marked on the back of the module, is uppermost in the installation.
3. Line will normally be supplied via a switch or some other form of activation device.
4. For the general installation in the grid frame, see the General installation instructions described above.

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### INSTALLATION OF BLANK MODULE

1. The blank module is for use in any unused space in the Grid Frame.
2. It should be fitted as described in the General Installation instructions described above.

### GUARANTEE

The Company undertakes to replace or repair this product, at its discretion, this product should it become defective within a period of 20 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.

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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.

### COMPLIANCE WITH E.U. DIRECTIVES

Apart from meeting the appropriate standard given on page 1 of this instruction leaflet. Products are manufactured in accordance with BS EN ISO 9002 and comply with the LV (72/23/EEC) Directive.

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