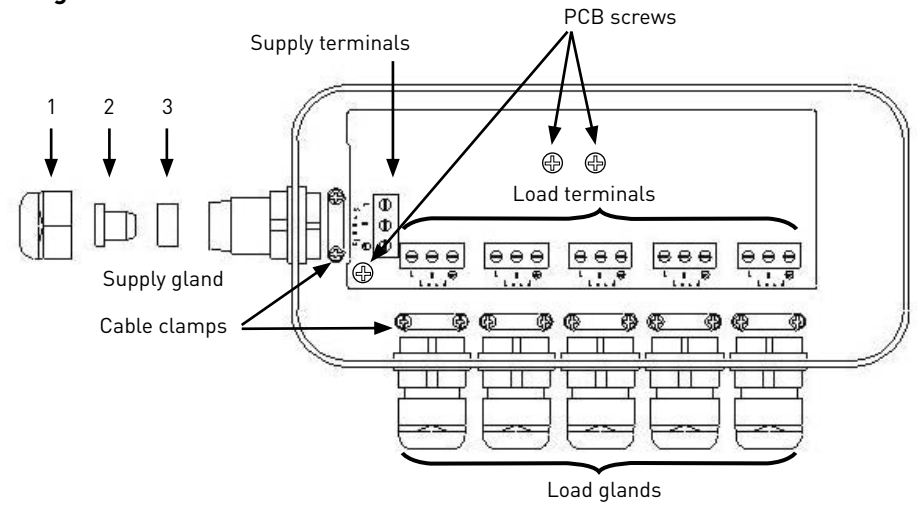
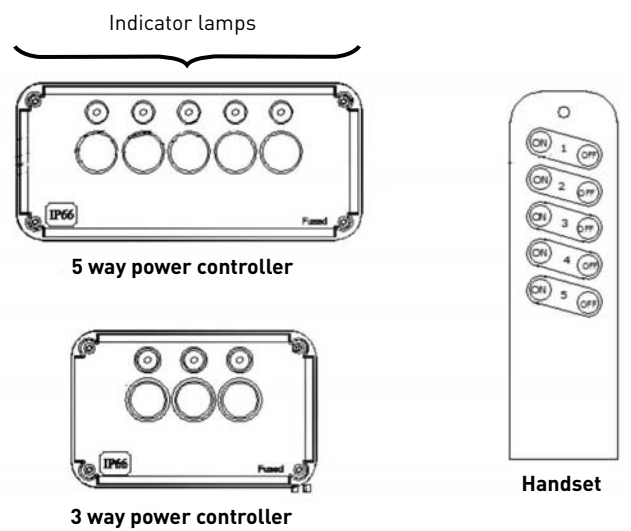


**INSTALLATION & MAINTENANCE MANUAL  
IP663G & IP665G**

**Figure 1**



**Figure 2**



**IP66 REMOTE CONTROLLED SWITCH BOX**

**230V**  
50Hz

**IP**  
66

## GENERAL INSTRUCTIONS:

These instructions should be read carefully and retained after installation for further reference and maintenance.

## SAFETY:

- Before installation/maintenance, ensure that the mains supply is switched off and the circuit fuses are removed or circuit breakers switched off
- This product must be installed in accordance with the latest edition of the IEE Wiring Regulations and current Building Regulations. If in any doubt, please consult a qualified electrician
- This product is IP66 rated and suitable for external applications. (Weatherproof rating may be compromised if drain hole is opened)
- This product is class I rated and must be earthed
- This accessory is designed to be used with round cable with an outside diameter of between 6mm and 12mm
- 230V 50Hz voltage 13A
- Do not overload this accessory or subject it to conditions outside its weatherproof rating
- Please recycle this unit

## INSTALLATION:

1. Remove the 4 x fixing screws around the lid/cover, and PCB securing screw(s) (IP665G x 2)
2. Using the back box as a template, mark the fixing holes and fix the back box to a fixed level location (e.g. wall), ensuring suitable wall fixings are used. Refit the screw mounting hole caps (failure to fit these caps will compromise the IP rating). The load glands must be facing down

### CONNECTING THE MAINS SUPPLY

1. Remove items 1, 2 & 3 (see **figure 1** on back page) from the supply gland, ensuring that the body stays fully tightened in the power controller. Failure to do this may compromise the weatherproof rating
2. Slide items 1 & 3 over the supply cable (item 1 first) and push the cable through the supply gland body. Item 2 may be discarded
3. Remove the cable clamp by undoing the 2 screws and lifting off
4. Connect the supply cable to the relevant supply terminals ensuring correct polarity is observed:-  
**ACL – LIVE (BROWN) ACN – NEUTRAL (BLUE) FGND - EARTH (GREEN/YELLOW)**  
All Earth connections must be made and maintained. Use green/yellow sleeving on earth conductors that are not insulated
5. Replace the cable clamp around the outer sheath of the cable and fully tighten the 2 screws
6. Slide item 3 along the cable and into the supply gland body then fully tighten item 1 (failure to do this may compromise the weatherproof rating)

### CONNECTING THE LOAD SUPPLY

1. Remove items 1, 2 & 3 (see **figure 1** on back page) from the load gland ensuring the body stays fully tightened in the power controller (failure to do this may compromise the weatherproof rating)
2. Slide items 1 & 3 over the load cable (item 1 first) and push the cable through the load gland body. Item 2 may be discarded
3. Remove the cable clamp by undoing the 2 screws and lifting off
4. Connect the supply cable to the relevant supply terminals ensuring correct polarity is observed:-  
**FGND - EARTH (GREEN/YELLOW) ACN - NEUTRAL (BLUE) ACL - LIVE (BROWN)**  
All earth connections must be made and maintained. Use green/yellow sleeving on earth conductors that are not insulated
5. Repeat steps 1 through 5 for each load to be connected
6. Ensure the gasket is fitted to the inside of the lid and fix the lid to the back box using the screws provided. The screws must be fully tightened to prevent ingress of moisture
7. When installation is correctly completed, reconnect mains supply

### IMPORTANT WARNING

Each switch is individually fused; the rating of the fuse is marked on the circuit board adjacent to the fuse, do not overload any circuit. Should an individual circuit stop working, check the fuse on the circuit board and replace with one of the same rating if required. Fuse ratings, from left (nearest to the supply gland) are as follows:

5 ways: 5A, 2.5A, 2.5A, 2A, 1A

3 ways: 8A, 2.5A, 2.5A

## SETTING UP THE REMOTE CONTROL:

1. Remove the battery cover from the handset and insert a 1.5V AAA battery (not supplied)
2. Press the "ON" CHN-1 button of the remote control and the first left hand indicator lamp on the power controller should illuminate. Mains 230V power is now supplied to the terminals of channel 1 and equipment connected to these terminals will operate
3. Press the "OFF" CHN-1 button of the remote control and the first left hand indicator lamp on the power controller should turn off. Mains 230V power is now off to the terminals of channel 1 and equipment connected to these terminals will not operate
4. Repeat steps 1 - 3 for all channels to check for correct operation

### NOTE

All buttons/channels on the handset and power controller are pre-set at the factory and cannot be changed.