

# INSTALLATION INSTRUCTIONS - K-Mac Powerheads P/L

## 4 DOOR KU & KM SERIES

\*\*\*\*\*WARNING\*\*\*\*\*

**IMPORTANT: Transportation can loosen connections. Check terminations & test as per AS/NZS 3000 before energising.**

This product must be installed by a qualified electrician.

**Work should not be undertaken on live electrical equipment, isolate before commencing.**

In Australia & New Zealand to AS/NZS 3000, AS/NZS 3001, AS/NZS 3004 SET.

1. Remove the four (4) button-head screws and ease off the grey polyethylene top section
2. Slide the mounting sleeve at the base of the unit over the incoming cables and the 60mm O.D. pipe stand and tighten 8mm grub screws in order to plumb and secure powerhead. (If column mounting, slide adaptor collar, which is fixed to base of powerhead, over top of column and secure using the four (4) button head screws provided. Hand-tool tighten only. Do not over-tighten by using a power drill or such.)
3. At this stage, if not already done, we recommend to sleeve incoming supply cables with pvc hose or similar material for added protection.
4. **Connect Active Supply** -  
Lug cable and connect to 6mm active stud using nuts and washers supplied.
5. **Note** - If active is too large for stud connection, join to a 16mm active tail and then lug to active stud.
6. **Connect Neutral Supply** -  
Terminate neutral at main neutral bar.
7. **Note** - If the neutral is too large for terminal connection, join to a smaller neutral tail and then terminate at neutral bar. Neutrals must be jointed together using an approved jointing method to avoid being separated.
8. **Connect Earth Supply** -  
(i) If an earth is run to each head, connect to 6mm earth stud using nuts and washers provided.  
(ii) M.E.N. - As per AS3001/AS3000
9. Prior to replacing top of powerhead, ensure all electrical connections are tight and secure. When replacing polyethylene top, take care not to over tighten button-head screws. Tighten by hand tool only.
10. When TV/Communication outlets are fitted, those points and cabling to same must be segregated from 240V internal wiring. Using flexible or rigid conduit for the wiring and a barrier for the points, to comply with AS/NZS3000 and AS/ACIF – S009 Communications cabling. The Installer must be ACMA licensed (AUS).
11. When plumbing for water is included and taps are to be fitted ensure that thread sealant tape is applied to thread prior to installing taps to prevent any possible leaks.
12. **Earth Leakage Protection** - As per AS3001. Socket outlets provided for the connection of moveable premises shall be protected by residual current devices with a maximum rated residual current of 30mA. (Relevant section should be read in full)
13. **Removal of Circuit Breaker Cover** – To access the terminals of RCBOs or kWh meters, or to replace them, the circuit breaker cover needs to be removed. First, isolate the unit and test for voltage. Then, lift door using a large flat screw driver, lever under the circuit breaker cover gently. This will loosen the black clips that secure the cover plate in place. Remove the clover plate to access the RCBOs/kWh meters. Once work is completed, reposition circuit breaker cover and fix in place with the reusable black clips.
14. **Powerhead ID Label:** Ensure powerhead ID label is visible after installation.
15. **MAINTENANCE**

**Safety Switch Warranty** – Test monthly & annually as per Australian Standards ASNZS 3001.

This testing program is critical to ensure proper functioning of the safety switches, in order to help protect you and your customer against electrocution. It is also necessary in order to validate K-Mac Powerheads' **5 year guarantee**. The Guarantee is for replacement of faulty components only. K-Mac Powerheads will not be responsible for, or contribute towards the labour costs involved in replacing faulty components. A record of this maintenance program must be kept in order to validate any warranty claims.

**Notes:** (i) AS/NZS 3000 Section 5.7 indicates the requirements for fault loop impedance testing.