

## SURGE PROTECTION

A surge is a rapid, temporary increase in voltage. Surges are common occurrences and can destroy the circuitry of electronic equipment in tools instantly.

This HPM Plug Boss Powerboard protects from surges by limiting the voltage of the power supply before it reaches your tools. The components that protect from surges are sacrificial – they wear out a little with each surge experienced.

To indicate surge protection is available the red LED on the front of the board will be lit when it is plugged in and turned on. If the LED does not glow surge protection is no longer available.

The powerboard and RCD protection will continue to operate correctly, but your tools will no longer be protected from surges. For continued surge protection HPM recommends the purchase of a new Plug Boss Powerboard.

## OVERLOAD PROTECTION

This powerboard is designed to cut off power if the current load exceeds 10 amps. To reset, disconnect the appliance causing the overload and press the reset button on the side of the powerboard.

# PLUG BOSS™

By 



**FOR INDOOR USE ONLY**

## WARRANTY


These goods come with guarantees that cannot be excluded under the Australian and New Zealand Consumer Laws. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired if the goods fail to be acceptable quality and the failure does not amount to a major failure.



Cat D105PBOSSELP8

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A Group Brand | 

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APPROVED TO AUSTRALIAN STANDARDS

WITH **Electresafe™**  
RCD SAFETY SWITCH



SAFETY OVERLOAD PROTECTION



TRANSFORMER SPACING



SURGE PROTECTION



LEAD LENGTH – 3m



ROTATING DUST COVERS

**3 YEAR WARRANTY**

Cat D105PBOSSELP8

## PLUG BOSS™

### WHAT IS AN RCD?

A Residual Current Device (RCD) provides a fast power cut off to reduce the risk of electrocution. The RCD monitors the balance of current flow in the active and neutral wires of the lead and any tools connected to the powerboard.

If an imbalance of 30mA or more occurs (eg, if current were to flow to earth through a person) the RCD will 'trip' (typical trip time less than 30 milliseconds). Imbalances may be caused by earth faults in tools, cutting a power cable or using tools incorrectly in wet conditions.

HPM's RCD safety switch 'trips' every time power is turned off and must be reset when power is restored. Your tools will not restart when power becomes available again. This provides additional safety, particularly when using large power tools or if tools are left unattended when the power fails.

Unlike some other protection devices, this Plug Boss Powerboard has the RCD switch in the plug, not the unit. This means all your cables are protected – from the plug at the wall to the appliance in your hand.

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## CAUTION

- If the unit tests properly without any appliance plugged into it, but trips each time the appliance is plugged in, then the appliance has an earth fault and needs to be repaired or replaced. **DO NOT BYPASS THE ELECTRESAFE RCD UNIT IF THIS CONDITION OCCURS; A REAL SHOCK HAZARD MAY EXIST.**
- Opening or tampering with this product will void the warranty.
- This Electresafe RCD Safety Switch product should be connected directly to a wall powerpoint, not an extension lead.
- This device is to be used on normal household electrical distribution systems 240V 50Hz only.
- RCDs whether HPM or any other, do not protect against electrical shock resulting from contact with both live and neutral wires of electrical circuit. RCDs will trip for a fault between the body and earth but not against Active to Neutral faults.



- Test frequently and before each use to ensure correct operation.
- Do not use in a wet environment. Do not immerse in any liquid or directly expose to rain. If the RCD is dropped, test to ensure correct function.
- **Electricity can be dangerous:** The use of an RCD is not a substitute for basic electrical safety precautions. The HPM range of RCD protected products are designed as protective devices – do not use as an off/on switch. Unplug equipment to achieve isolation before any inspection or repair of equipment is attempted.

## TESTING INSTRUCTIONS

If the unit fails to trip when the test button is pressed (red indicator fails to disappear), or fails to reset (red indicator fails to appear) the device is defective and should not be used.



Plug into powerpoint and switch power on.



Press and release 'RESET'. Verify red indicator is visible ('On').



Switch powerpoint off and verify red indicator disappears ('Off').



Switch powerpoint on and reset. Verify red indicator is visible ('On').



Press 'TEST' button. Verify red indicator disappears ('Off').



Press and release 'RESET' button. Verify red indicator reappears through plastic window. (Red indicator denotes that output power is available).



Power is now available to the appliance. Switch appliance on and operate equipment normally.



## SPECIFICATIONS

Voltage: 230-240V a.c. 50Hz

Max load: 2400W 10A

Tripping sensitivity: 30mA

For residential use only

Lead length: 3 metres  
Total energy absorption: 700 joules