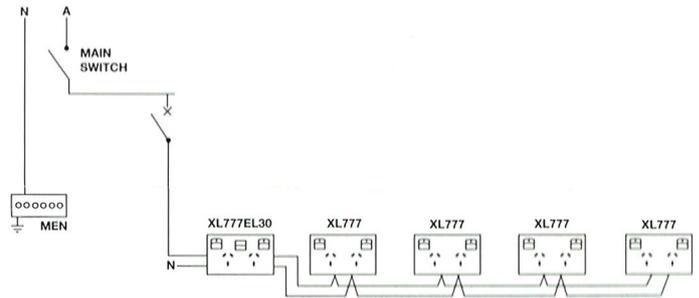




Electresafe Powerpoint Series



CAUTION - 777EL SERIES

- To be installed by a licensed electrical contractor or similarly qualified person.
- Before installation, read all instructions carefully.
- Not to be used on ring circuits where downstream protection of power outlets is required.
- This switch should be stored in a clean and dry environment and only installed as described in these instructions.

INSTALLATION

When installing an HPM Electresafe, it is important to follow the steps listed.

1. Test the insulation resistance between live conductor and earth ensuring that they comply with the appropriate limits as set out in AS/NZS 3000. Low insulation resistance will effect the operation of the RCD and must be corrected.
2. For complete circuit protection, connect the Electresafe to the GPO closest to the fuse or circuit breaker.
Retrofit: To locate the first GPO upstream, it is

- necessary to progressively (starting with the most obvious GPO) remove and separate the wires from the GPO terminals and use the megger on each wire to find the one connected directly to the neutral link.
3. Connect the incoming Active and Neutral to the terminals marked LINE A IN and LINE N IN. If downstream protection is required, then connect the downstream Active and Neutral wiring to the terminals marked PROTECTED ACTIVE OUT and PROTECTED NEUTRAL OUT. In all cases, connect the earth wires to the earth terminal.

1. **Connection test:** This test is to ensure RCD has been installed on the circuit(s) it was intended for.
a) Residual current test: HPM recommends testing all GPOs. Starting with the most distant GPO, induce an active to earth fault using test lamps, a resistor or an RCD tester.
Test Lamp: 10W (Equiv. 40mA),
25W (Equiv. 100mA)
Resistor: 18k Ω 5W (Equiv. 13mA),
6k Ω 10W (Equiv. 40mA)
1800 Ω 50W (Equiv. 133mA)

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- b) Load test:** Operate a drill or a heater at the most distant GPO. Ensure no trips.
- 2. Test button and function:** Operate the test button several times. (Caution: The resistor in the test button circuit is short time rated. If the unit doesn't trip immediately, don't keep pressing).
- 3. RCD sensitivity and time:** If improved accuracy of trip time is required then use an RCD tester. (Resistors give an approximate sensitivity check only).

GENERAL SAFETY NOTES

- 1.** The HPM Electresafe should be tested regularly to ensure that it is in good operational condition. Monthly testing is recommended.
 - a)** Press the test button
 - i) Healthy unit - reset button will be extended
 - ii) Faulty unit - reset button will not extend
 - b)** When resetting the unit after testing, make sure the reset on button is pushed in until a clicking sound is heard.
- 2.** If the RCD fails to trip when tested in accordance with the instructions or repeatedly trips in normal operation it should no longer be used. Please seek advice from an electrical contractor or HPM.
- 3.** Electricity can be dangerous. The use of an RCD is not suitable for basic electrical safety precautions. Unplug equipment to achieve isolation before any inspection or repair of equipment is attempted.

HPM WARRANTY

HPM Electresafe 777EL series is warranted as here and after appears, against faulty material and/or workmanship for a period on one year from date of purchase. The obligation of the manufacturer, under this Warranty, is limited to servicing and replacing defective parts when the unit is returned to the place of purchase. This warranty becomes void on any unit which has been tampered with or damaged by accident, short circuited, loaded beyond rating or damaged otherwise by improper operation. All other warranties, whether expressed or implied, and whether arising by operation of law or otherwise are hereby excluded.

Product specifications

Supply voltage	230 - 240V a.c.
Frequency	50Hz
Sensitivity	30mA - For Domestic, Commercial & Industrial installations. 10mA - For Hospital applications & hazardous environments
Trip Time	30mSecs (typ)
Withstand	6kA with 20A MCB or fuse backup.
RCD switch rating	20A 2 pole
GPO rating	10A or 10/15A

Catalogue number coding:

XL777EL, 777EL	GPO Series
30	30mA tripping current
10	10mA tripping current
N	Supply available amber neon
N2	Two 'power on' neons
N3	Supply available and 'power on' neons
1015	10 Amp and 15 Amp outlet on one GPO
G	Generator type
R	Round earth
ES	Module only with bracket for Alpha System

FEATURES - 777EL SERIES

The HPM Electresafe RCD offers safety in your home, office, industry or wherever power is consumed from a GPO. It protects against electrocution if a faulty appliance or a live wire is touched, causing current to flow through the body to earth. HPM Electresafe typically cuts off power supply within 30 milliseconds when dangerous leakage currents occur. It should be noted that RCDs of any kind will not protect against electric shock resulting from contact with both live and neutral wires of the electrical circuit. The HPM electresafe replaces a standard power outlet and, if required, downstream protection of other outlets can be achieved. The HPM Electresafe has conveniently located blue trip and white test buttons and also fits all standard mounting accessories.

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Refer to your group buying office, HPM Legrand Sales Representative or HPM Legrand Sales Office for pricing.