

**56RC Series
CLIPSAL LIFESAVER® IP56 Safety Switch (RCD) Protection**
USER PROBLEM/ACTION GUIDE

PROBLEM	LED	BUTTON POSITION	REASON	ACTION
1. Clipsal Lifesaver® Safety Switch will not reset.	OFF	RESET is in level position.	No power to Clipsal Lifesaver® Safety Switch.	<ol style="list-style-type: none"> 1. Check supply fuse/circuit breaker. 2. Check incoming power supply to Clipsal Lifesaver® Safety Switch.
2. Clipsal Lifesaver® Safety Switch resets then immediately trips out (power available LED gives a quick flash).	Flashes ON then OFF	RESET is in level then flashes to protruded position.	Faulty appliance plugged into Clipsal Lifesaver® Safety Switch or protected circuit.	<ol style="list-style-type: none"> 1. Disconnect all appliances on protected circuit. 2. Reset Clipsal Lifesaver® Safety Switch then test each appliance individually using the Safety Switch until the faulty appliance is discovered. 3. Faulty appliance should be checked by qualified person.
3. Clipsal Lifesaver® Safety Switch resets then some time later trips out.	ON then OFF	RESET is in level then sets to protruded position.	Faulty appliance with a slow leakage build up plugged into Clipsal Lifesaver® Safety Switch or protected circuit, or cumulative leakage from several appliances combining to exceed rating of outlet.	<ol style="list-style-type: none"> 1. Determine time taken for Clipsal Lifesaver® Safety Switch to cut out. 2. Disconnect all appliances on protected circuit. 3. Reset Clipsal Lifesaver® Safety Switch then test each appliance individually using the Safety Switch for the duration of cut out time until the faulty appliance is discovered. 4. Faulty appliance should be checked by qualified person using Clipsal 489D Digital Clamp Meter.
4. Clipsal Lifesaver® Safety Switch will not trip out when "test" button is pushed.	OFF	RESET is in level position.	No power to Clipsal Lifesaver® Safety Switch.	<ol style="list-style-type: none"> 1. Check supply fuse/circuit breaker. 2. Check incoming power supply to Clipsal Lifesaver® Safety Switch.
5. Clipsal Lifesaver® Safety Switch will not trip out when "test" button is pushed.	ON	RESET is in level position.	Clipsal Lifesaver® Safety Switch is faulty. Neutral to Earth fault upstream.	<ol style="list-style-type: none"> 1. Have Clipsal Lifesaver® Safety Switch checked by a qualified person and if faulty, return to manufacturer. 2. Have electrical contractor check wiring.

GENERAL NOTES REGARDING PROBLEMS

1. The following appliances may occasionally cause problem No. 3: (water heaters, electric jugs and kettles, steam irons, dishwashers, swimming pool equipment, auto defrost refrigerators and freezer). These items may also cause the Clipsal Lifesaver® Safety Switch to "trip out" initially due to the presence of moisture.
2. If problem No. 4 occurs the number of appliances operating from the Clipsal Lifesaver® Safety Switch and protected circuit may exceed 20A in total loading, and will, after a period of time, blow the fuse or trip out the circuit breaker. It is therefore necessary to determine the total current being drawn by the appliances. If exceeding 20A, appliances must be disconnected until the total current is less than 20A.

3. **IMPORTANT:** The Clipsal Lifesaver® Safety Switch, when first installed, may result in numerous faulty appliances "tripping out" the unit. These initial situations should be rectified once the faulty appliances have been located and repaired.

NOTE: Unplug equipment to achieve isolation before any inspection or repair of faulty appliances is attempted. Clipsal's Lifesaver® is designed and manufactured to help protect human life, whether in a home, commercial or industrial situation. If a faulty appliance is discovered when using the unit, **DO NOT** use it in an unprotected outlet under any circumstances.

The faulty appliance **MUST** be fixed by a qualified person before it is used again. **WARNING:** Electricity can be dangerous - the use of this product cannot be regarded as a substitute for basic electrical safety precautions. In the interests of safety this unit should be installed by a licensed electrician or warranty will become void.

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