Safeshore Marine galvanic isolator installation

Simply connect the inline unit to shore power 240 /110 volt cable using blue connectors supplied. The connections may be made on the boat *or* at the shore power supply pedestal of the marina. When utilising shore power pedestal always mount the waterproof enclosure with the connecting leads facing downwards to minimise water ingress. We recommend using the heavy duty cable tie-wraps to secure to pedestal post to ensure waterproof integrity. **Your boat is now protected!**

Isolator specification

Safeshore utilise our standard 70 amp isolator within the enclosure.

Internal isolator specification : Solid state construction. Isolated heatsink epoxy sealed.
Suitable for use with RCD/MCB protected shore power outlets 3 to 63 amps.
Operating voltages 0.9 volts to 250 volts AC/DC. 70 amps maximum current capability.
(Peak 600 volt /400 amps.) No user replaceable components.
Conforms to EC/73/23/EEC and 89/336/EEC.
Warranty: 36 months subject to correct installation and operating conditions.
Liability limited to replacement of operating unit only.
The manufacturers do not accept responsibility for injury or loss sustained through incorrect installation or operation of this unit, defective shore power or faulty A.C mains / DC installation on board the vessel.

Testing the isolator

Safeshore isolators are manufactured to a high standard of reliability and are maintenance free. Our confidence in this product is reflected by the extended warranty offered as standard on our full range of isolators
Unplug the mains power lead from the shore power supply to remove the 240 /110 volts a.c. supply.
Disconnect both blue plugs of the isolator from the shore power cable.
Connect the pp3 battery connector supplied with your isolator to a fully charged PP3 9 volt battery.
Touch one of the battery test wires onto the ***large*** pin of the blue isolator shore power plug.
Lift the safety flap of the blue socket and briefly touch the other battery feed wire probe onto the ***large*** socket.
A single **LED** will illuminate. Reverse the battery feed wires : The other **LED** will illuminate.
This simple process tests all the functions of the isolator & its internal diodes & wiring.
Failure of either led indicator to illuminate would indicate a fault **or** a defective battery: Please ensure the test battery is fully charged before contacting us for help.
Fault indication: A single led illuminated denotes a D.C. (battery) leak. Turn off any battery driven appliances onboard to locate the leak source. Prime causes of D.C leaks are defective bilge pumps or switches, wiring with exposed insulation travelling near the bilge water or with connections in damp places.
Both leds illuminate : A.C mains low level leakage: Turn off A.C. appliances to locate source
Voltage leaks can also travel from adjacent boats into your own vessel via the mains shore power mains leads. Should any led illuminate, temporarily disconnect the shore power supplies to nearby boats whilst monitoring the leds. Should the leds extinguish the fault is a neighbouring boat and not on yours!

Please note: The galvanic isolator supplied will withstand fault currents in excess of 70 amps.
The cable & connectors supplied with this unit are rated at 16 amps compliant to the standard UK / European marina supplies of approximately 4 kilowatts.
Yellow plugs on shore power pedestals denote higher current availability and are not compatible with this installation.

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