THE CLIVEWAY.

THE ULTIMATE INVERTER SWITCHING ARRANGEMENT.

CONGRATULATIONS on purchasing the simplest way to make your inverter installation fully flexible and as SAFE AS HOUSES.

MAKE SURE THE MAINS HOOKUP LEAD IS DISCONNECTED FROM THE CARAVAN, BOAT OR MOTORHOME BEFORE YOU START.

The CLIVEWAY is a different approach to achieving the same objective, that is a “Safe as Houses” arrangement with earth leakage protection with an RCD and automatic changeover of all your socket outlets from mains to inverter whenever the inverter is turned on. It will work with any inverter but, please don’t choose an inverter just on price; always get one from a reputable manufacturer and, if you want appliances to work reliably, always get a pure sinewave model.

Most motorhomes have at least two if not three circuit breakers situated inside the mains Consumer unit alongside the primary RCD that provides protection when operating via that mains hook-up. The RCD will open if the mains has been able to leak away anywhere and the detection levels of the CLIVEWAY are exactly the same as at home. Typically, one circuit breaker will be rated at 6amps and provides overload protection for the built-in mains charger, the mains part of the fridge, the igniter for the gas hob etc.

The remaining circuit breakers are rated at 10 Amps. One of these 10 Amp breakers will supply all the mains sockets in the vehicle. Seldom will you find a ring main in a vehicle when the sockets are protected by a 10A circuit breaker.

PREPARATION

You will need to identify this circuit breaker that feeds the sockets and the outgoing three core cable, If you are lucky there will be sufficient spare cable to be able to cut this cable outside of the consumer unit and fit the 3-pin 13A socket to the end connected to the consumer unit; fit the 13A plug to the remaining cut end. If not, then disconnect this three-core cable from the consumer unit and attach another short cable terminated with the new single 3 pin 13A socket to the same places. Fit the supplied 13A plug to the cable just disconnected from the consumer unit and leading to the vehicle’s 13A sockets.

The CLIVEWAY is very simple in concept. It is a small box containing a changeover industrial contactor rated above 650 volts, and a 13A socket with a built in RCD. It has two cables each with a 13A mains plug fitted. To install the CLIVEWAY you simply. plug the new 13A plug into the socket on the CLIVEWAY. You put the CLIVEWAY plug marked Mains In into the new 13A socket. The remaining longer cable with a

13A plug on the end is marked Inverter and is plugged into whatever inverter you wish to use, up to 2400 watts if need be.

DC SIDE

The DC side of a large inverter is connected directly to your leisure battery or battery bank via its in-line fuse. If the inverter comes with a remote control then fit this in a convenient place. When the inverter is turned ON the CLIVEWAY contactor automatically connects all your sockets to the inverter with a satisfying clunk and “Safe as Houses” protection is provided by that RCD socket. You may just hear a faint hum from the contactor. Never extend the DC wiring to the inverter. Extend the mains connection if required. Make sure you switch on the 13A socket and press the RESET button on the CLIVEWAY when you install it. When you go to bed that faint hum may just remind you to turn off the inverter you used earlier if you don’t need to use it during the night.

The CLIVEWAY is designed and made in the UK and available from RoadPro who will, of course, fit it for you if you wish.

https://www.roadpro.co.uk/product/02i-inverters/cliveway-priority-switch-with-rcd-c7679a/C7679A