



# PLUG-IN-SYSTEMS LTD

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## PLUG IN SYSTEMS LIMITED MAINS UNITS.

This unit is designed to give both overload and earth leakage protection for the electrical supply in your caravan.

The M.C.B.'s (Miniature circuit breakers) are better described as mechanical fuses, which in the event of an overload situation in the circuit which they supply will automatically switch to the OFF position. After elimination of the fault the M.C.B. should be re-set by switching back on again (Against the spring pressure) in an upwards direction.

In normal operation these M.C.B.'s should be left in the ON position.

The earth leakage circuit breaker (ELCB OR RCCD) is fitted to provide protection against earth faults and possible electrical shocks, in the event of an earth fault which would cause a leak of current to earth, either directly or via the Human Body the unit should immediately trip, and switch OFF the supply. Only after elimination of the fault will it be possible to re-set the ELCB to the ON position and so restore the supply again. The ON position is upwards against the spring pressure.

Periodically it is necessary to test the operation of the ELCB and this is achieved by ensuring that it is in the switched ON position with an electricity supply connected

and by pressing the test button marked 'T' the unit should immediately switch to the OFF position. Provided this happens all is correct and the switch should be returned to the ON position (upwards) to restore the supply back to normal.

The ELCB also acts as the main switch for the unit and if it is necessary to switch off all circuits in the caravan this can be achieved by operating the OFF/ON switch on the ELCB.

