



## HEAVY DUTY DIRECT WIRING KIT TYPE SM 2797

### GENERAL:

The Heavy Duty Direct Wiring Kit consists of a high quality Cigar Lighter socket mounted on two metres of heavy-duty cable. It is intended to provide a suitably rated connection between a **HANDY MAINS** adaptor and a battery. Continuous rating is 16A with intermittent use at 20A.

### USER INSTRUCTIONS:

The cable should be connected to a heavy current supply, i.e. direct to battery. The **HANDY MAINS** adaptors contain an internal fuse that protects the wiring should a fault occur within the adaptor. This fuse offers no protection should wires connecting the adaptor to the battery system become chafed and short to the chassis. For added protection, a 30A fuse should be fitted in the battery positive lead at a suitable point.

If necessary the wires may be extended using wire of 4mm cross section. A switch is not recommended for use with the kit, due to the high current carried. The Handy Mains should be turned off by unplugging.

### INSTALLATION INSTRUCTIONS:

Find a suitable supply point. Decide where the socket will be used. If the route between these two points passes through a bulkhead, a grommet must be used to protect the cable from rubbing.

Feed the cable from where the socket will be used, through any grommet(s) to the supply point. Ensure the cable is clear of, and protected from, any moving parts.

The connections to the supply point must be made with heavy-duty connectors compatible with the supply point. The wire supplied has a cross section of 4mm. Connect the **BLACK** lead to supply negative (chassis). Connect the **RED** lead to supply positive.

Check again the connections, location and security of the cable.

Connect the Handy Mains to the socket and check that it works correctly.

### CAUTION:

This kit is supplied on the basis of the user determining the suitability for the purpose for which it is to be used. Do not use in a moving vehicle without the consent of the vehicle manufacturer. Do not use for aviation or marine applications without our written agreement. Do not use for life dependent applications. The positive input lead is connected to the centre contact.

The **HANDY MAINS** must be unplugged after use as it continues to draw some current, even when its output is not being used.

### WARNING:

The socket, and its cable, must be installed such that there is no chance of the insulation being damaged by any metal edges or moving parts. Failure to ensure this could lead to electrical short circuit, and potentially a fire. Check the insulation carefully after it has been fitted, and periodically thereafter. We cannot take responsibility for damage caused by improper fitting or use of this product.