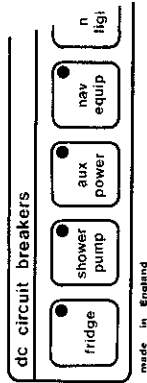


CIRCUIT BREAKERS

These are controlled by a touch panel membrane, each circuit breaker is indicated by a white square with the circuit legend within and a small window in the top right corner. If a fault occurs that causes a trip, the window will be illuminated, pressing the membrane in the centre will cause power to be reset, indicated by the light going out.



BATTERY CONDITION

This is indicated by the lights within the schematic batteries as follows :-

ENGINE BATTERY #2

- 12.3 + Green - O.K. nominal capacity above 60%.
- 12.2-12.3 Yellow - Caution, nominal capacity between 50-60%.
- 12.1-12.2 Red - Requires charging, capacity below 50%.

note - If drawing a load, ie starting engine, the display will go to RED.

AUXILIARY BATTERY #1

On switching on battery, ie no load being drawn :-

- 12.3 + Green - O.K. nominal capacity above 50%.
- 12.2 - Red - Requires charging, nominal capacity below 50%.

With battery in use, ie loads being drawn :-

- 11.85 Green - level satisfactory, battery above nominal 50% capacity.
- 11.45 Yellow - charging is required, nominal capacity is between 25% and 50%.
- 11.0 Red - recharge of battery is required urgently, nominal capacity has fallen below 25%.

FLASHING

- 11.0 Red - battery level is now critical, nominal capacity has fallen below 10%.

NOTE- if fitted, power lockout will now be automatically brought into operation, power will be restored when the battery is put on charge.

SPLIT BATTERY CHARGING

This is carried out automatically from either the engine alternator, or a Kdd. Powercentre mains battery charger.

ENGINE ALTERNATOR

When running the engine, the following light sequences will be observed :-

- 13.0 + 1) Yellow #4 - the engine battery is receiving a charge.
- 13.6 2) Yellow #3 - the split charge relay is now engaged, placing the auxiliary battery on charge.
- 13.6 3) Green #1,2 - batteries are at a minimum recharge level, the engine should now be run for a minimum of 2 hours to obtain a satisfactory recharge level.

When the engine is switched off, the two yellow lights #3,4 will after a short time be extinguished, and the batteries isolated from each other.

MAINS BATTERY CHARGER

With the Kdd. Powercentre mains battery charger switched on, the following light sequences will be observed :-

- 14.2 1) Yellow #3 - auxiliary battery bank on charge.
- 14.2 2) Yellow #4 - auxiliary battery is now fully charged, engine battery is now on charge.
- 14.2 3) Green #1,2 - both battery banks fully charged, the battery charger has now switched itself over to 13.6 volt float charge. In this state, the charger will automatically provide :-

a) a 12 volt dc power supply from the ac mains supply, this may be loads upto the maximum continuous rating of the charger.

b) a trickle charge of a few milliamps, allowing the batteries to be left on charge for extended periods without damage from gassing and water loss.

When the mains battery charger is switched off, the two yellow lights #3,4 will after a short time be extinguished, and the batteries isolated from each other.

SWITCHES

The switch legend is located above or to the right of the switch. This legend will illuminate when the circuit is in use to assist night use. In certain switch panels the legends will be illuminated green when navigation lights are on, changing to orange or brighter green when the circuit is selected.