

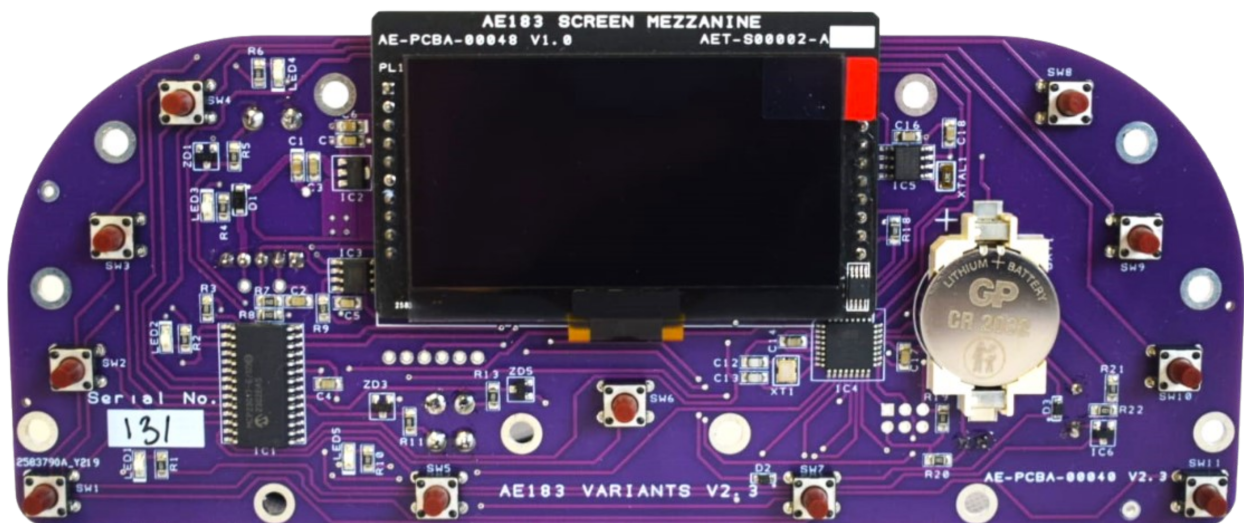


APULJACK

ELECTRONICS LTD

DESIGN AND REPAIR SPECIALISTS

AE 183-T56



**Replacement Control Panel PCB for Nordelettronica
NE183-T56 (1432.183.02)**

Product Code: CTP-APU-002-NE

1. General Information

These instructions relate only to the Apuljack Electronics item - Model: AE183-T56, Product code: CTP-APU-002-NE which is a superior replacement for the Nordelettronica NE183-T56 control panel (1432.183.02) found in many Swift Caravans.

The AE183-T56 features a modern OLED display, giving crisp and clear character display and an almost 180°-180° viewing angle. The OLED display does not rely on a back-light, unlike the display on the original NE183-T56 control panel, and draws 5 times less power than the original LCD.

The AE183-T56 will display warnings and appropriate information as to the likely cause for many common faults in the electrical habitation systems in the caravan.

The original NE183-T56 panels are manufactured in Italy, in limited quantities, whereas the AE183-T56 is manufactured in the UK.

2. Safety & Warnings

Please observe the warnings on the product label along with the items below.

Ensure that your vehicle has been disconnected from the mains and any other sources of power (e.g., batteries, solar, generators etc.) are isolated.

Do not fit the AE183-T56 as a replacement for any other control panel.

3. Installation Instructions

1. Remove the old control panel from the motorhome wall, the plastic bezel can be popped off. Remove the securing screws and pull panel forwards, and disconnect all cables connected to the panel.

2. Unscrew the fixing screws which attach the circuit board to the plastic front fascia.

3. Remove the clear screen protector from AE183-T56 screen.

4. Position the AE183-T56 onto the original panel's plastic front fascia.

5. Secure AE183-T56 with the original fixing screws.

6. Connect all previously disconnected cables to the AE183-T56.

NOTE There may be some connectors on the AE183-T56 which are left unoccupied

7. Refit the panel into the caravan wall and re-attach the plastic bezel by snapping it on over the plastic fascia.

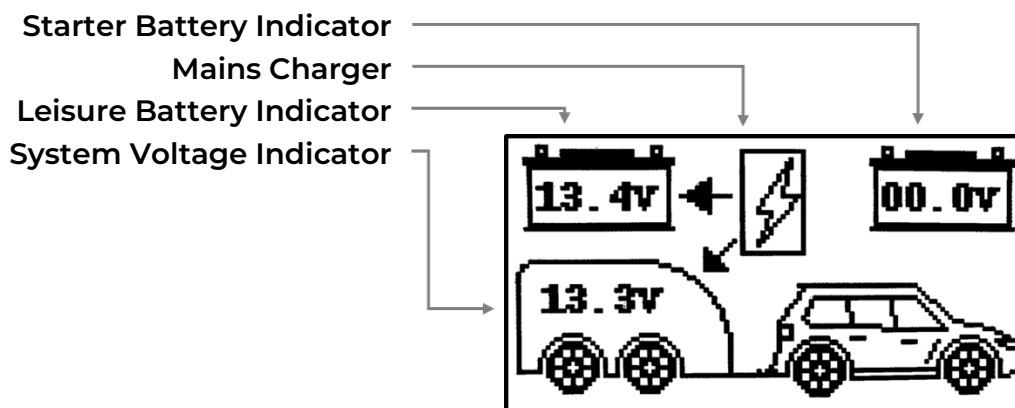
4. Screens

The AE183-T56 features individual screens for displaying information, adjusting settings and seeing warnings. These screens are outlined below:

4.1 Main Screens

The main screens show general information about your system. There are several different versions to suit individual users. The default screen can also be set (see section 4.2.1). To move between main screens briefly push the tick button (✓).

4.1.1 Charging Screen – Charger On



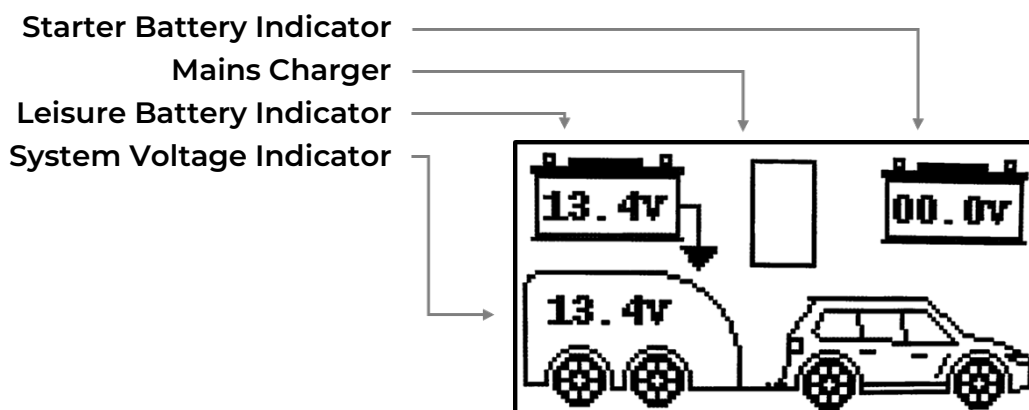
STARTER BATTERY INDICATOR shows Starter Battery VOLTAGE, if connected.

MAINS CHARGER shows (⚡) when mains charger is ON. Arrows Indicate Current Flow.

LEISURE BATTERY INDICATOR shows Leisure Battery VOLTAGE.

SYSTEM VOLTAGE INDICATOR shows voltage of the system. Arrows on the screen indicate from where the energy is supplied.

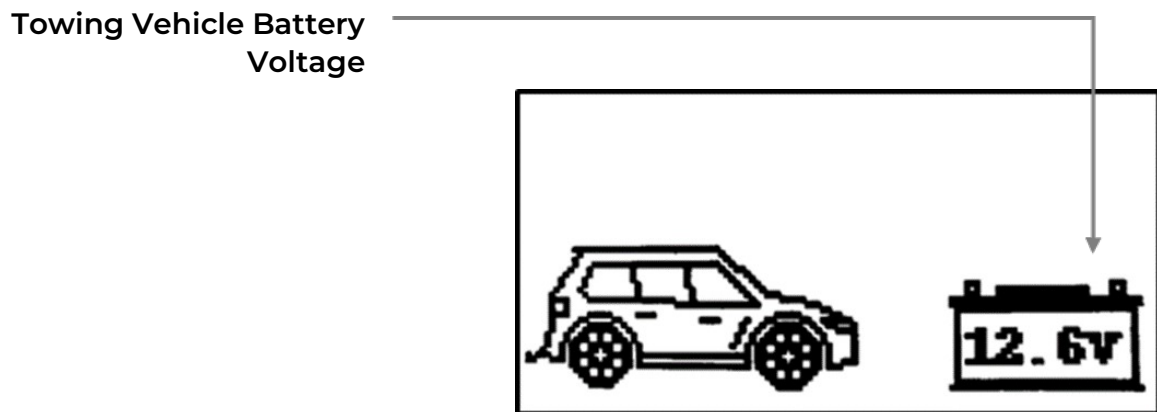
4.1.2 Charging Screen – Charger Off



MAINS CHARGER shows no symbol when charger is OFF.

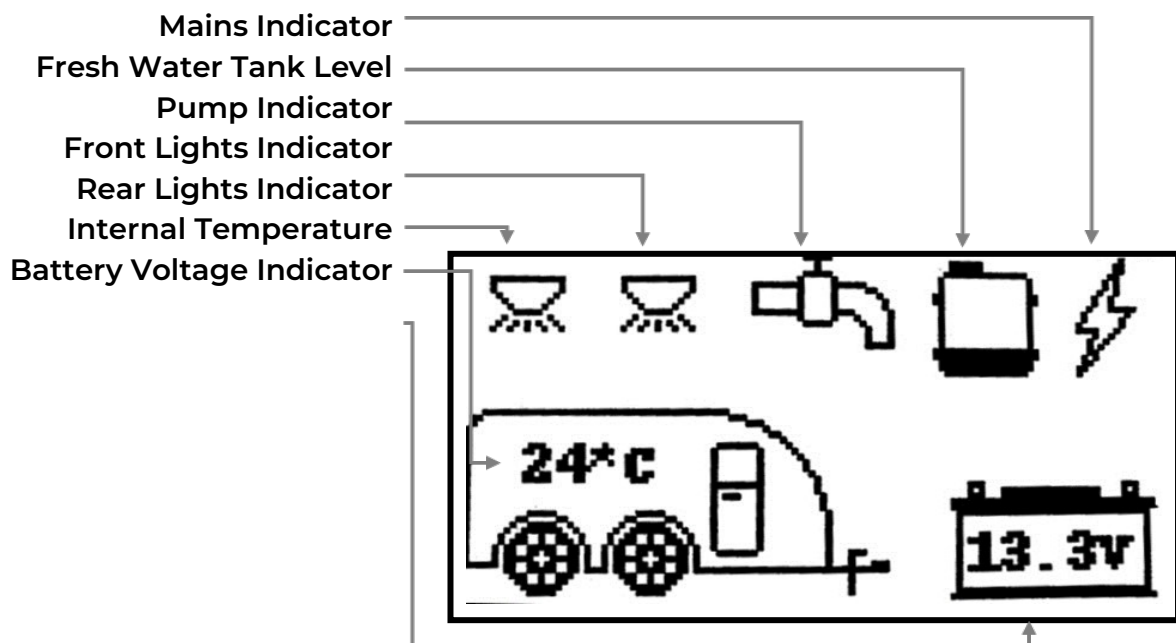
SYSTEM VOLTAGE INDICATOR shows voltage of the system. Arrows on the screen indicate from where the energy is supplied.

4.1.3 Towing Vehicle Screen



TOWING VEHICLE SCREEN is only available when a towing vehicle is connected.

4.1.4 Caravan Screen



MAINS INDICATOR signals that MAINS has been detected.

FRESH WATER TANK LEVEL displays fill level in quarter increments. Tank level on screen will indicate tank fill level by how much of the indicator is filled in.

The tank symbol will FLASH when tank is EMPTY.

PUMP INDICATOR signals that the PUMP is POWERED.

The pump symbol will FLASH when the pump is RUNNING.

FRONT LIGHTS indicator signals that the FRONT LIGHTS are ON.

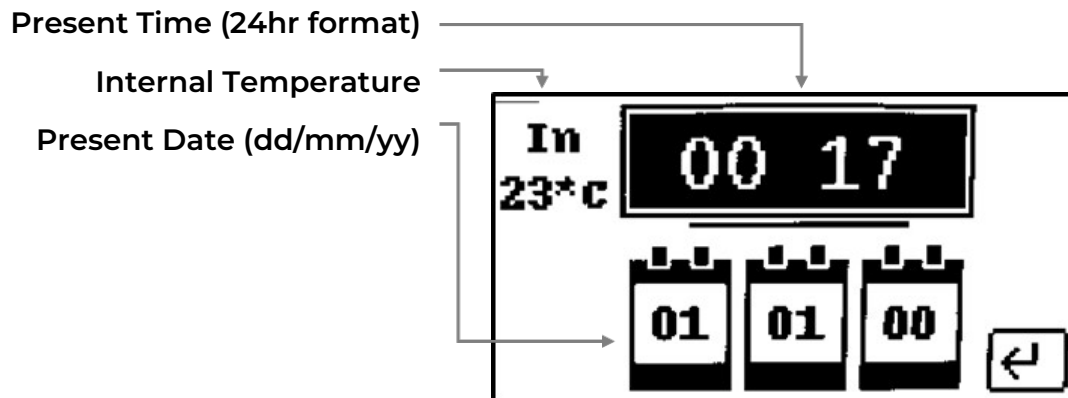
REAR LIGHTS indicator signals that the REAR LIGHTS are ON.

BATTERY VOLTAGE indicator shows the current LEISURE BATTERY voltage.

INTERNAL TEMPERATURE indicator shows the current temperature in the caravan.

4.1.5 Time Screen

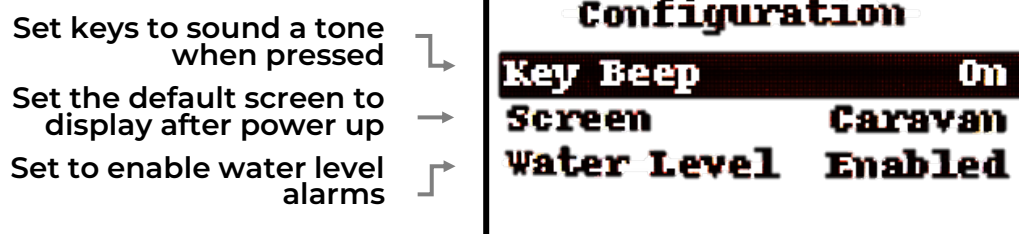
To adjust the date and time on this screen, press the ENTER (↵) button. Use the up and down buttons to make adjustments. Press the CANCEL (C) button to save changes.



4.2 Sub Screens

The sub screens allow the configuration to be changed and shows useful information. To move between screens briefly press the power button (⏻).

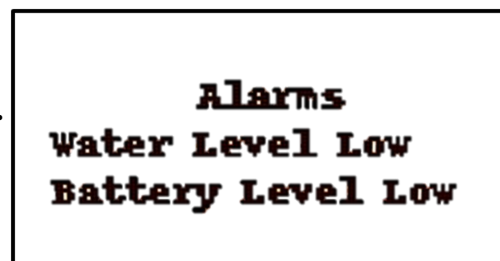
4.2.1 Configuration Screen



If the vehicle does NOT have tank sensors, water level alarms should be DISABLED.

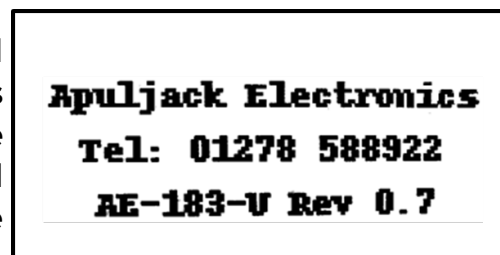
4.2.2 Alarms screen

The currently active alarms are shown on this screen. To clear the alarm, resolve the issue that it lists.



4.2.3 Help Screen

Should you have any questions that this manual cannot answer, the software version information is stated at the bottom of the screen. Call the telephone number on screen, or email info@apuljackelectronics.co.uk, quoting the software version for additional support.



5. Functions

The AE183-T56 has several supplementary features in addition to the legacy functions of the NE183-T56:

5.1 Engine Run D+

When the tow vehicle engine is running, the habitation systems will be switched off. Button presses will not operate outputs while the engine is running. In addition to this, 'Engine Running' will appear on the screen.

5.2 Pump (incl. pump run)

To engage the pump, press the pump button. When the pump is running, both the LED indicator and the pump symbol on the display will flash. The indicators will remain solid when the pump is switched on, but not running.

5.3 Front and Rear Lights

The front and rear interior lights are switched by the respective buttons on the panel. When switched on, the relevant indicator will appear on the display.

5.4 Battery Selection

To change from powering your habitation systems from the leisure battery to the towing vehicle battery, press the CAR button. Please note, this selection will have no affect if the caravan is not connected to a towing vehicle.

5.5 Charger

The AE183-T56 is powered directly from the system voltage, to supply loads. The AE183-T56 can be used to select which battery the mains charger is supplying. This can be changed between towing vehicle battery and leisure battery by pressing the CAR or VAN button respectively. An illuminated LED indicates which battery is currently being charged. If neither LED is illuminated then neither battery is being charged.

5.6 Mains Available

The AE183-T56 displays the MAINS INDICATOR (⚡) when mains hook-up is detected. Please note, if your mains charger has an isolator/ON-OFF switch this will need to be in the ON position for the symbol to appear.

6. Warnings & Alarms

To alert the user to potential issues or advise on proper use, the AE183-T56 displays a range of warnings and alarms to help the user.

6.1 Communication Errors

The AE183-T56 sends messages on a communications link to the NE189 fuse board. If this link fails or has errors, the AE183-T56 displays E3.

6.2 Low Starter Battery Voltage

It is possible to select the towing vehicle battery as the power source for the habitation systems.

In this situation, the AE183-T56 will display this warning, as powering the habitation systems from the towing vehicle battery for extended periods of time is not advised as the towing vehicle may not start.





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