

ADJUSTABLE PARAMETERS

FRONT PANEL CONFIGURATION EDITOR (Factory default settings are shown in bold italicised text)



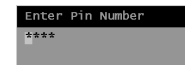
DEEP SEA ELECTRONICS

53-009
ISSUE2

| Section | Parameter as shown on display | Values |
|----------------|-------------------------------------|--|
| Input settings | Oil Pressure Pre Alarm | 0 bar -4bar (1.17bar) |
| | Oil Pressure Shutdown | 0 bar -4bar (1.03bar) |
| | High Coolant Temp Pre Alarm | 80°C -140°C (115°C) |
| | High Coolant Temp Shutdown | 80°C -140°C (120°C) |
| | Low Coolant Temp Alarm | 67°C -137°C (disabled) |
| | Low Fuel Level Alarm | 0%-100% (disabled) |
| Timers | Mains Transient Delay | 0-10s (2s) |
| | Gen Transient Delay | 0 -10s (0s) |
| | Start Delay | 0 -60m (5s) |
| | Pre Heat Time | 0 -60m (0s) |
| | Crank Time | 0 -60s (10s) |
| | Crank Rest Time | 0-60s (10s) |
| | Safety On Delay | 0-30s (10s) |
| | Overspeed Overshoot Delay | 0-10s (0s) |
| | Warm Up Time | 0-60m (0s) |
| | Transfer Delay | 0-10s (0.75s) |
| | Return Delay | 0 -60m (30s) |
| | Cooling Run Time | 0-60m (60s) |
| | Fail To Stop Delay | 0-30s (30s) |
| | Low Battery Delay | 0-10m (1m) |
| | High Battery Delay | 0-10m (1m) |
| | Gen Reverse Power Delay | 0-30s (2s) |
| Mains | Mains Under Voltage Alarm | 50V-360V ph-N (184V) |
| | Mains Over Voltage Alarm | 50V-360V ph-N (277V) |
| | Mains Under Frequency Alarm | 0Hz -75Hz (45Hz) |
| | Mains Over Frequency Alarm | 0Hz -75Hz (55Hz) |
| Generator | Generator Under Voltage Shutdown | 50V-360V ph-N (184V) |
| | Generator Under Voltage Pre Alarm | 50V-360V ph-N (196V) |
| | Generator Nominal Voltage | 52V-330V(230V) |
| | Generator Over Voltage Pre Alarm | 50V-360V ph-N (265V) |
| | Generator over Voltage Shutdown | 50V-360V ph-N (277V) |
| | Generator Under Frequency Shutdown | 0Hz -75Hz (40Hz) |
| | Generator Under Frequency Pre Alarm | 0Hz -75Hz (42Hz) |
| | Generator Nominal Frequency | 0Hz - 74Hz (50Hz) |
| | Generator Over Frequency Pre Alarm | 0 -75Hz (55Hz) |
| | Generator Over Frequency Shutdown | 0 -75Hz (57Hz) |
| | Generator Over Current Trip | 100-200% full load rating (100%) |
| | Generator Short Circuit Trip | 50%-300% full load rating (200%) |
| | Generator Reverse Power Trip | 0%-200% full load rating (35kW) |
| | Earth Fault Trip | 1%-100% full load rating (10%) |
| Engine | Engine Underspeed Shutdown | 0-6000RPM (disabled) |
| | Engine Underspeed Pre Alarm | 0-6000RPM (disabled) |
| | Engine Overspeed Pre Alarm | 0-6000RPM (disabled) |
| | Engine Overspeed Shutdown | 0-6000RPM (disabled) |
| | Overspeed Overshoot | 0-10 (0%) |
| | Plant Battery Under Volt Alarm | 0-24V (10V) |
| | Plant Battery Over Volt Alarm | 0-24V (30V) |
| | Charge Alternator Failure Alarm | 0-24V (6V) |
| Display | Language | ENGLISH , OTHERS |
| | Contrast | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Clock | Date and Time | dd mmm yyyy hh:mm |
| Misc | Auto Scroll Time | 0-10s (2.0s) |

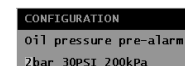
5520 INSTALLATION INSTRUCTIONS ACCESSING THE FRONT PANEL CONFIGURATION EDITOR

- Press the Stop/Reset and Info buttons simultaneously
- If a module security PIN has been set, the PIN number request is then shown (The first * is flashing) :
- Press + or - buttons to adjust it to the correct value. Press ✓ when the first digit is correctly entered. Repeat this process for the other digits of the PIN number.
- When ✓ is pressed after editing the final PIN digit, the PIN is checked for validity. If the number is not correct, the editor is automatically exited. To retry you must re-enter the editor as described above.
- If the PIN has been successfully entered (or the module PIN has not been enabled), CONFIGURATION is displayed :



EDITING A PARAMETER

- Enter the editor as described above.
- Press the + and - buttons to cycle to the parameter you wish to change.
- Press the ✓ button to enter edit mode. When in edit mode (indicated by the flashing parameter)
- Pressing the + and - buttons will adjust the parameter to the desired value.
- For *date and time* editing only: press to select between day, month, year, hours and minutes.
- Press the ✓ button to 'save' the value. The value will stop flashing to confirm that it has been saved.
- To select another value to edit, press the + button. Continuing to press the + and - buttons will cycle through the adjustable parameters as shown overleaf.
- To exit the front panel configuration editor at any time, press the Stop/Reset button. Ensure you have saved any changes you have made by pressing the ✓ button first.



NOTE:- When the editor is visible, it is automatically exited after 5 minutes of inactivity to ensure security.

NOTE:- The PIN number is automatically reset when the editor is exited (manually or automatically) to ensure security.

NOTE:- More comprehensive module configuration is possible using the 5xxx series PC configuration software in conjunction with the P810 PC interface. Please contact us for further details.

NOTE:- Languages are subject to change as the modules are updated. Please contact us for the list of latest supported languages.

DISPLAY SETTINGS

- Press the buttons simultaneously to enter the editor.
- Press button to cycle round the available parameters.
- Press to change the visible parameter.
- To exit select **Abandon** or **Save changes and exit** and press either button.

| Parameter | Values |
|------------------------|--|
| Contrast | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Language | ENGLISH , OTHERS |
| Abandon changes & exit | |
| Save changes & exit | |

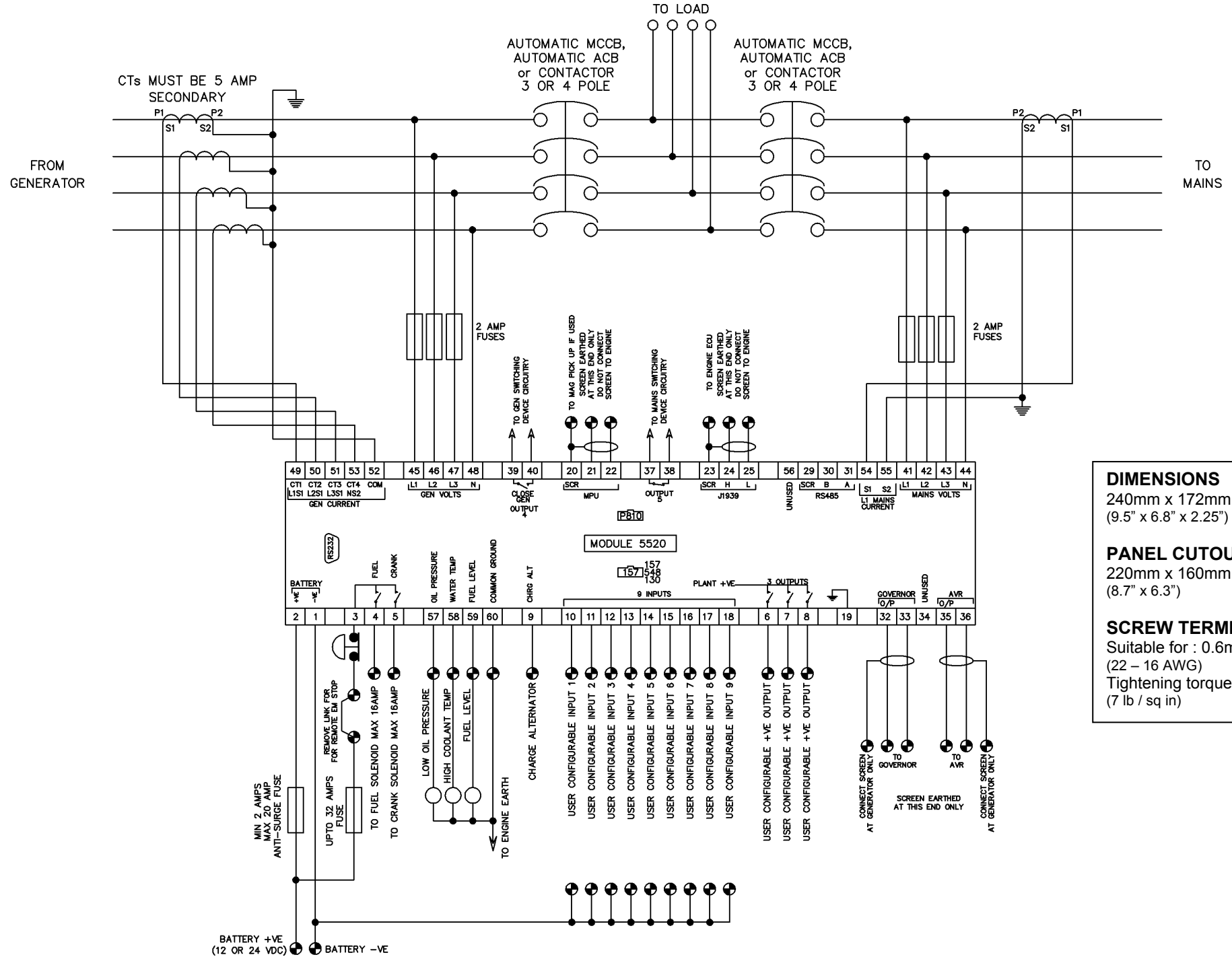
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TYPICAL WIRING DIAGRAM



DIMENSIONS
 240mm x 172mm x 57mm
 (9.5" x 6.8" x 2.25")

PANEL CUTOUT :
 220mm x 160mm
 (8.7" x 6.3")

SCREW TERMINALS
 Suitable for : 0.6mm² - 1.3mm²
 (22 - 16 AWG)
 Tightening torque : 0.8Nm
 (7 lb / sq in)