



4210 INSTALLATION INSTRUCTIONS

Section	Parameter	Display shows	Values
Input settings	Low Oil Pressure warning	Oil pressure pre- alarm	0-4bar (1.17bar)
	Low Oil Pressure shutdown	Oil pressure shutdown	0-4bar (1.03bar)
	High Temperature warning	Coolant temp pre- alarm	80-140°C (110°C)
	High Temperature shutdown	Coolant temp shutdown	80-140°C (120°C)
Timers	Engine transient delay	Eng transient delay	0-10s (0s)
	Start delay	Start delay	0-60m (5s)
	Return delay	Return delay	0-60m (30s)
	Preheat	Preheat	0-60m (5s)
	Crank attempt	Cranking time	0-60s (10s)
	Crank rest	Crank rest	0-60s (10s)
	Safety delay	Safety on	0-30s (10s)
	Overspeed overshoot	Overspeed overshoot	0-10s (0s)
	Warming up	Warm up	0-60m (0s)
	Cooling run	Cooling	0-60m (60s)
	Fail to stop delay	Fail to stop	0-30s (30s)
	Low battery volts delay	Battery low delay	0-10m (30s)
	High battery volts delay	Battery high delay	0-10m (30s)
	Engine	Under Speed (RPM) shutdown	Underspeed shutdown
Under Speed (RPM) warning		Underspeed warning	0-6000RPM (1350)
Over Speed (RPM) warning		Overspeed warni ng	0-6000RPM (1650)
Over Speed (RPM) shutdown		Overspeed shutdown	0-6000RPM (1710)
Overspeed overshoot %		Overspeed overshoot	0-10 (0%)
Low DC Voltage		Battery low volts	0-24V (9V)
High DC Voltage		Battery high volts	0-24V (33V)
Charge Alternator Failure		Charge failure	0-24V (8V)
Display	Language	Language	ENGLISH, OTHER (see note below)
	LCD Contrast	Contrast	
Date/time	Date and time	Date and time	dd mmm yyyy hh:mm

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) the first configurable parameter 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.
- 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.

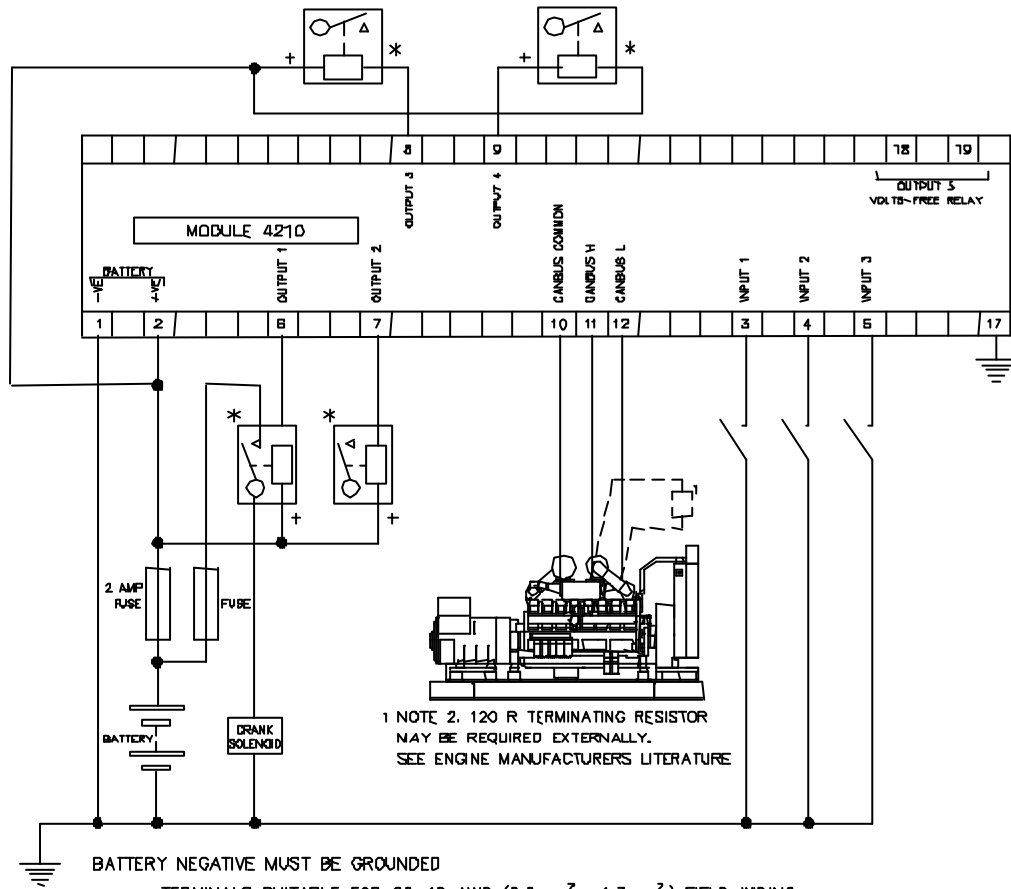
NOTE:- More comprehensive module configuration is possible using the 42xx PC configuration software in conjunction with the P810 PC interface. Please contact us for further details.

NOTE:- Front panel language configuration is between English and one other PC configurable language.

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.

TYPICAL WIRING DIAGRAM



BATTERY NEGATIVE MUST BE GROUNDED

TERMINALS SUITABLE FOR 22-16 AWG (0.6mm²- 1.3mm²) FIELD WIRING

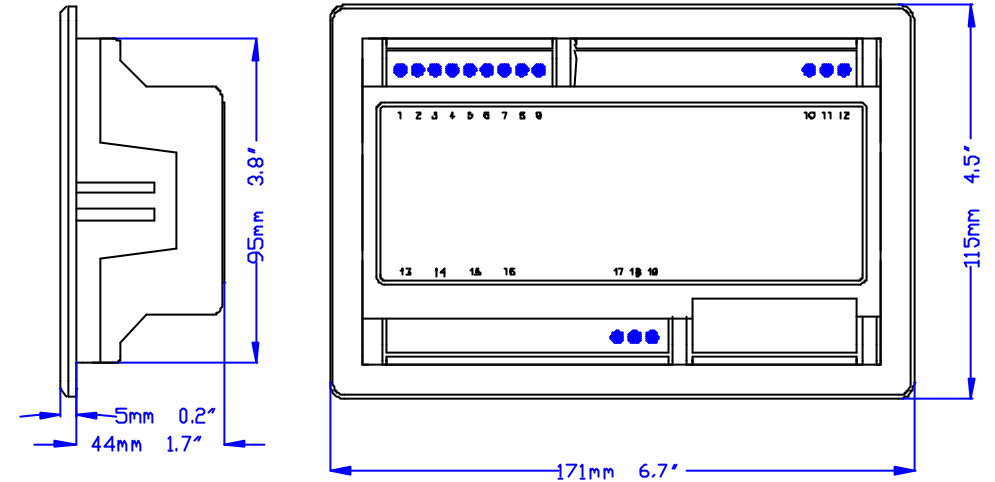
TIGHTENING TORQUE = 0.8Nm (7lb-in)

* NOTE. SOME OF THE OUTPUTS ARE SOLID STATE AND ARE NEGATIVE SWITCHING

DIMENSIONS

Module dimensions : 171mm x 115mm x 49mm (6.7" x 4.5" x 1.9")

Panel cutout : 154mm x 98mm (6.1" x 3.9")



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