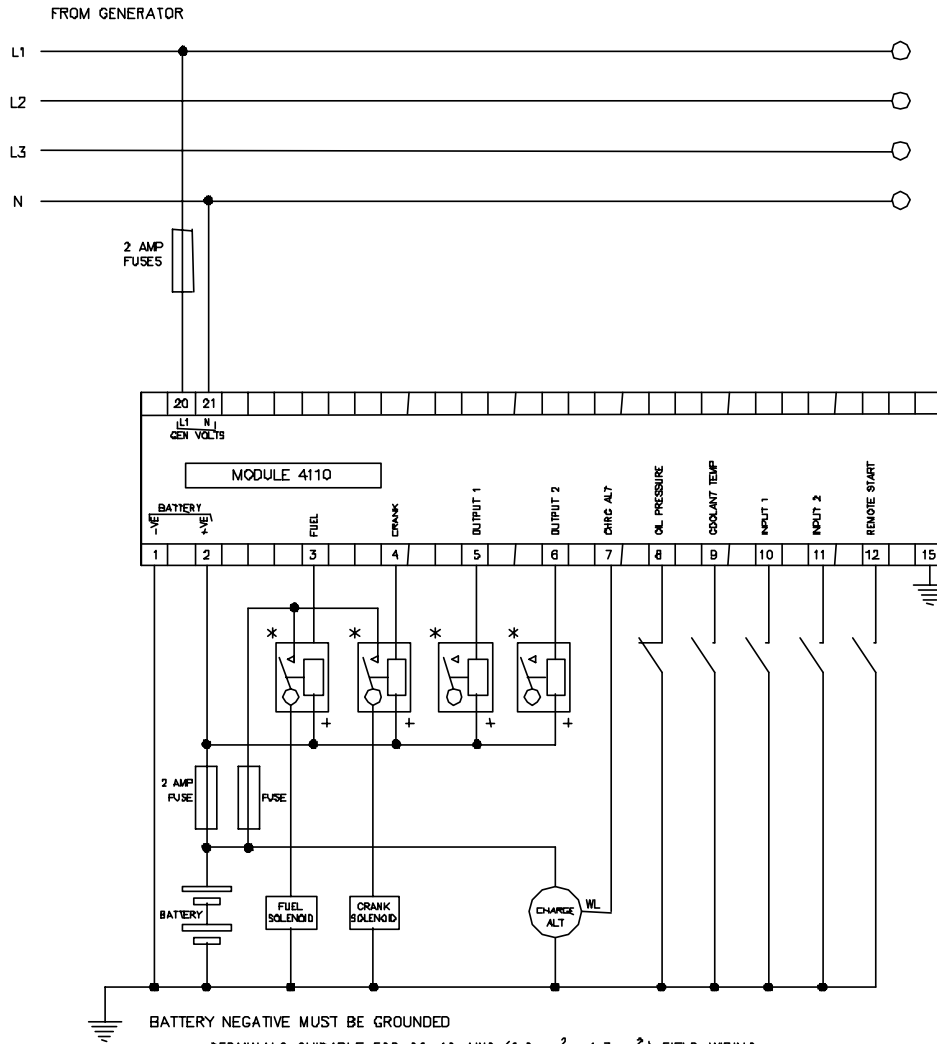


4110 INSTALLATION INSTRUCTIONS

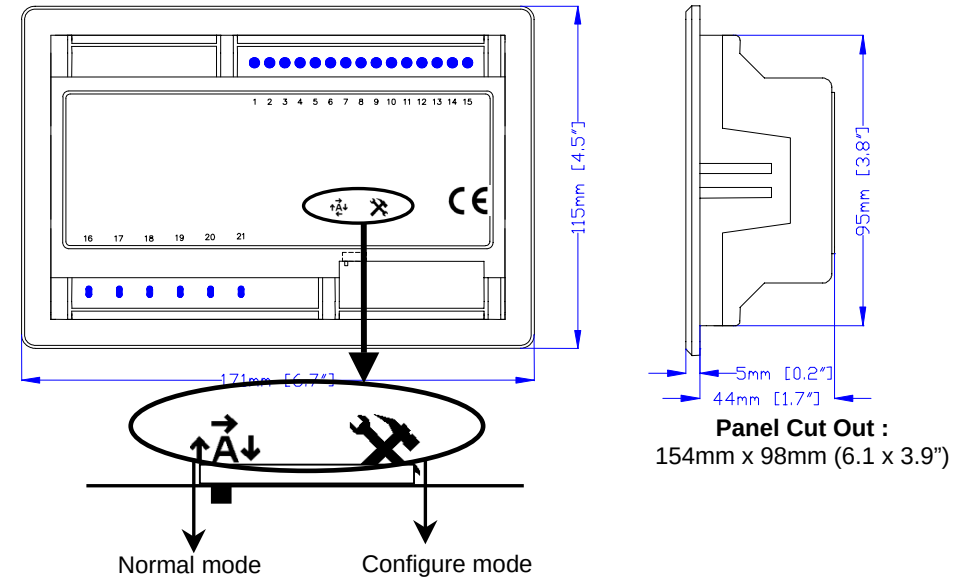


TERMINALS SUITABLE FOR 22-16 AWG (0.6mm² - 1.3mm²) FIELD WIRING

TIGHTENING TORQUE = 0.8Nm (7lb-in)

* NOTE. ALL THE OUTPUTS ARE SOLID STATE AND ARE NEGATIVE SWITCHING

- With the unit in **Stop** mode, **Configuration Mode** is selected by operation of a small switch on the rear, bottom edge of the PCB. This is partially hidden to prevent accidental operation
- Once Configuration Mode is selected, the 'Auto' LED will commence rapid flashing. When in Configuration Mode all normal operation is suspended.
- The 'Stop' pushbutton can be used to select the LED 'code' that corresponds to the required function. The 5 left hand LED's will form the code.
- The 'Manual' pushbutton will allow the user to change the function parameters. The 3 right-hand LED's inform the user of the current setting for the chosen function.
- When the required parameters are displayed, pressing the 'Auto' button will save the new setting. The process is repeated for each function change.
- When configuration is complete, the Configuration Mode Selector Switch should be returned to the 'Normal' position. A key to all configuration options is provided overleaf on the Functions and Parameters table.



Panel Cut Out :
154mm x 98mm (6.1 x 3.9")

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FUNCTIONS AND PARAMETERS TABLE									
Function							! 1	! 2	Value (Default in Italics)
Pre-heat Timer	☐	☐	☐	☐	☒	☐	☐	☐	<i>0 Seconds</i>
							☐	☐	5 Seconds
							☐	☒	10 Seconds
							☐	☒	15 Seconds
							☒	☐	20 Seconds
							☒	☐	30 Seconds
							☒	☒	60 Seconds
							☒	☒	180 Seconds
							☐	☐	0 Seconds
Start Delay	☐	☐	☐	☒	☐	☐	☐	☐	<i>5 Seconds</i>
							☐	☒	10 Seconds
							☐	☒	15 Seconds
							☒	☐	20 Seconds
							☒	☐	30 Seconds
							☒	☐	60 Seconds
							☒	☒	180 Seconds
							☐	☐	0 Seconds
							☐	☒	5 Seconds
Stop Delay	☐	☐	☐	☒	☒	☐	☐	☐	10 Seconds
							☐	☒	15 Seconds
							☒	☐	20 Seconds
							☒	☐	<i>30 Seconds</i>
							☒	☒	60 Seconds
							☒	☒	180 Seconds
							☐	☐	0 Seconds
							☐	☐	5 Seconds
							☐	☒	10 Seconds
Energise to Stop Timer	☐	☐	☒	☐	☐	☐	☐	☐	15 Seconds
							☐	☒	20 Seconds
							☒	☐	30 Seconds
							☒	☒	60 Seconds
							☒	☒	180 Seconds
							☐	☐	0 Seconds
							☐	☐	5 Seconds
							☐	☒	10 Seconds
							☐	☒	15 Seconds
Warming	☐	☐	☒	☐	☒	☐	☐	☐	20 Seconds
							☐	☒	30 Seconds
							☒	☐	60 Seconds
							☒	☒	180 Seconds
							☐	☐	0 Seconds
							☐	☐	5 Seconds
							☐	☒	10 Seconds
							☐	☒	15 Seconds
							☒	☐	20 Seconds
Cooling	☐	☐	☒	☒	☐	☐	☐	☐	30 Seconds
							☐	☒	60 Seconds
							☒	☒	180 Seconds
							☐	☐	0 Seconds
							☐	☐	5 Seconds
							☐	☒	10 Seconds
							☐	☒	15 Seconds
							☒	☐	20 Seconds
							☒	☐	30 Seconds
Nominal Frequency	☐	☒	☐	☐	☐	☐	☐	☐	60 Seconds
							☐	☐	180 Seconds
							☐	☐	<i>50 Hz (O/S +14%/ Overshoot +24%)</i>
							☐	☐	60 Hz (O/S +14%/ Overshoot +24%)
							☐	☐	<i>12V DC (CF 8V)</i>
							☐	☐	24V DC (CF 16V)
							☐	☐	<i>Close on Fault</i>
							☐	☐	Open on Fault
							☐	☐	<i>Close on Fault</i>
HET Switch Contact	☐	☒	☐	☒	☒	☐	☐	☐	Open on Fault
							☐	☐	<i>Close on Fault</i>
							☐	☐	Open on Fault
							☐	☐	<i>Disabled</i>
							☐	☐	Enabled (2 Second delay)
							☐	☐	<i>Disabled</i>
							☐	☐	Enabled (U/S – 20%)
							☐	☐	<i>Immediate Warning Close on Fault</i>
							☐	☐	Immediate Warning Open on Fault
Auxiliary Input 1 Function	☒	☐	☐	☐	☐	☐	☐	☐	Immediate Shutdown Close on Fault
							☐	☒	Immediate Shutdown Open on Fault
							☒	☐	Delayed Warning Close on Fault
							☒	☐	Delayed Warning Open on Fault
							☒	☒	Delayed Shutdown Close on Fault
							☒	☒	Delayed Shutdown Open on Fault
							☐	☐	<i>Immediate Warning Close on Fault</i>
							☐	☐	Immediate Warning Open on Fault
							☐	☒	Immediate Shutdown Close on Fault
Auxiliary Input 2 Function	☒	☐	☐	☐	☒	☐	☐	☐	Immediate Shutdown Open on Fault
							☐	☒	Delayed Warning Close on Fault
							☒	☐	Delayed Warning Open on Fault
							☒	☒	Delayed Shutdown Close on Fault
							☒	☒	Delayed Shutdown Open on Fault
							☐	☐	Not used
							☐	☐	Pre-heat
							☐	☒	Load transfer
							☐	☒	Common Warning
Auxiliary Output 1 Function	☒	☐	☐	☒	☐	☐	☐	☐	Common Shutdown
							☒	☐	System in Auto
							☒	☒	<i>Common Alarm</i>
							☒	☒	Energise to Stop
							☐	☐	Not used
							☐	☐	<i>Pre-heat</i>
							☐	☒	Load transfer
							☐	☒	Common Warning
							☒	☐	Common Shutdown
Auxiliary Output 2 Function	☒	☐	☐	☒	☒	☐	☐	☐	System in Auto
							☒	☒	Common Alarm
							☒	☒	Energise to Stop
							☐	☐	Not used
							☐	☐	<i>Pre-heat</i>
							☐	☒	Load transfer
							☐	☒	Common Warning
							☒	☐	Common Shutdown
							☒	☐	System in Auto