



DEEP SEA ELECTRONICS

DSE3210 INSTALLATION INSTRUCTION

053-133
ISSUE 2

The Model DSE3210 **Engine Control Module** is designed to control the engine via a key switch and pushbuttons on the front panel. The module is used to start and stop the engine, automatically shutting down the engine and indicating the cause of failure by the LCD display, giving true, first up fault annunciation.

The auxiliary inputs and outputs on the controller can be configured using the *DSE Configuration Suite PC Software*. This gives the user the option to have a remote start module or for an auxiliary fault input when used in a manual only application.

In the **0** position the DC supply is removed from the module and the fuel output is de-energised.

The module is powered up when **1** is selected.

MODULE OPERATION (DEFAULT CONFIGURATION)

1. Turn the key to the RUN **1** position
2. The pre-heat will operate automatically prior to the starting of the engine.
3. Press START **1** button or apply the remote start input to crank engine.

The starter disengages automatically when the engine fires, the safety on delay timer is then initiated.

Operation of any shutdown or electrical trip alarms will cause the fuel output to de-energise and the generator breaker to be opened.

Each alarm will be shown on the LCD display and once activated no further alarm conditions will be accepted.

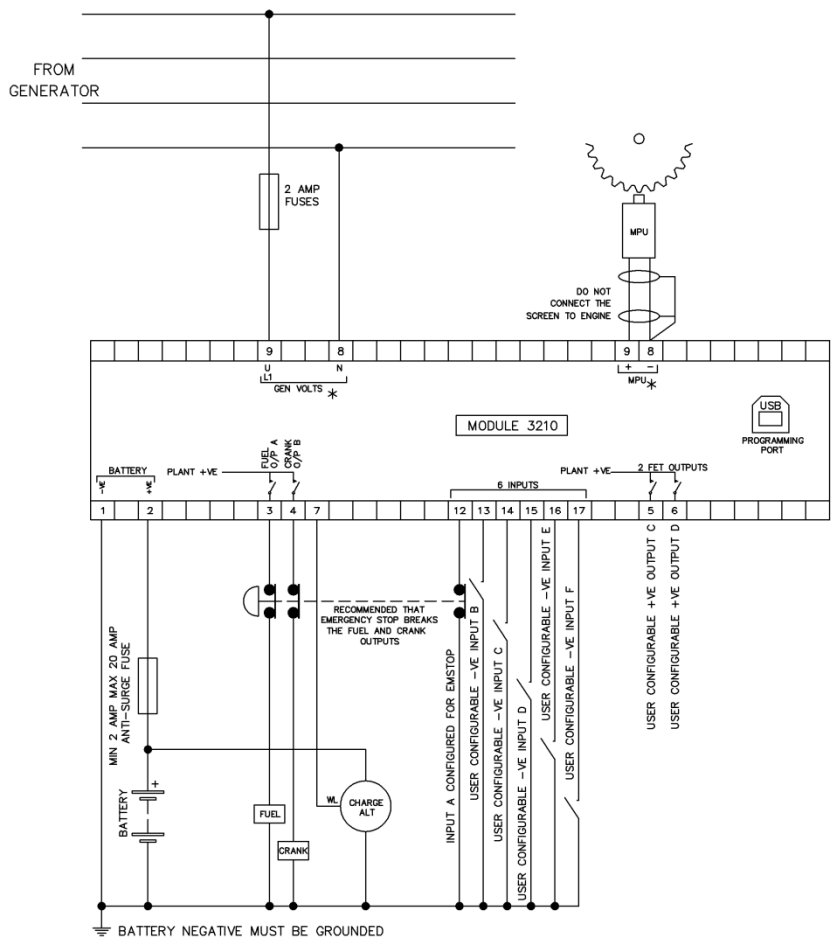
The alarm output and LCD display message will remain active until the unit is reset by turning the switch to the **0** position.

DIMENSIONS	PANEL CUTOUT
98 mm x 79 mm x 40 mm (3.9" x 3.1" x 1.6")	80 mm x 68 mm (3.1" x 2.7")

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TYPICAL WIRING DIAGRAM



TERMINALS SUITABLE FOR 22-16 AWG (0.6mm - 1.3mm) FIELD WIRING
 TIGHTENING TORQUE = 0.8Nm (7lb-in)

* NOTE. CONNECT EITHER MPU OR AC VOLTS FOR SPEED REFERENCE

A larger version of this diagram can be found in the products operators' manual.