



DEEP SEA ELECTRONICS

ISSUE 1

Model 701 Installation Instructions

The Model 701 is a **Manual Engine Control Module** 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 and indicate fault conditions, automatically shutting down the engine and indicating the engine failure by LED, giving true, first up fault annunciation.

Operation of the module:

1. Select manual run (M)
2. Press pre-heat button (P) for required length of time
3. Press START (I) to crank engine

In the 'O' position the DC supply is removed from the module and the run output is de-energised.

The module is powered up when (M) is selected. Operation of the pre-heat button is only possible when in this position.

An LED tell-tale indicates pre-heat operation. Once the required pre-heat duration has elapsed, the pre-heat button should be released.

Once (M) is selected and the Start button is pressed and maintained, the engine fuel system is energised. The 'Crank' output is then energised and the starter motor operated, disengaging automatically when the engine fires or when the Start button is released. The protection hold-off timer is then initiated.

Operation of any of the following alarms (which are close on fault) will cause the run output to de-energise:

- Low Oil Pressure
- High Coolant Temperature
- Auxiliary Shutdown
- Overspeed -50Hz/60Hz (57Hz/68Hz trip via switch accessible through slots in base of module).

This will remove the fuel supply from the engine and bring it to rest.

Each alarm has its own LED indicator and once activated no further alarm conditions will be accepted. The alarm output and relevant LED will remain active until the unit is reset by turning the switch to the 'O' position.

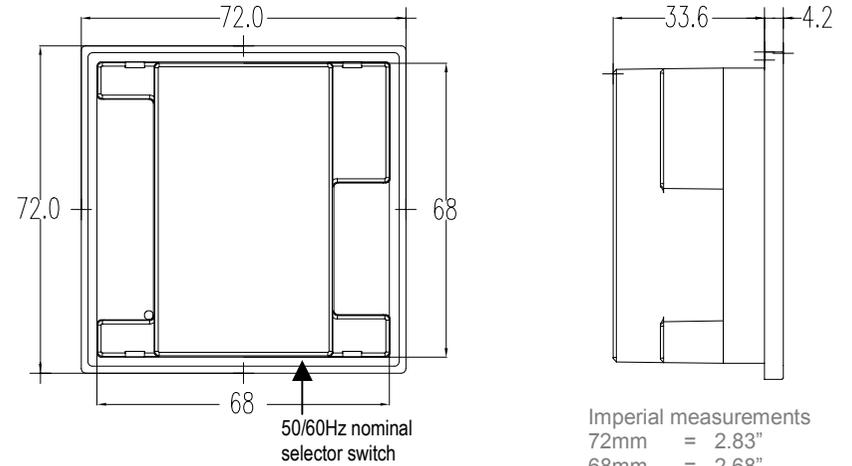
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DIMENSIONS



Imperial measurements

72mm	= 2.83"
68mm	= 2.68"
33.6mm	= 1.32"
4.2mm	= 0.17"

TYPICAL CONNECTION DIAGRAM

