

## Introduction

Wall mounting enclosure with hinged front access door and removable gland plate to the top and base. Finished in grey RAL7032.

### Standard features 1 phase panels

- 1 x Voltmeter 72 din
- 1 x Ammeter 72 din
- 1 x Hours counter 48 din
- 1 x Frequency meter 72 din
- 1 x Set of control and monitoring fuses
- 1 x Circuit breaker 2 pole
- 1 x Load contactor
- 1 x Set of connection terminals
- 2 x Slave relays 20/30A (fuel and starter)

Engine control module with the following features:

- "Off", "Auto", "Manual" selector switch
- Pre-heat facility
- 3 attempts to start
- Charge fail indicator
- Fail to start indicator
- Low oil pressure shutdown and indicator
- High engine temp. shutdown and indicator
- Overspeed shutdown and indicator

Load demand control module with the following features:

- Load demand indicator
- Battery voltage low indicator (optional)
- Alternator available indicator
- Alternator on load indicator
- Standby indicator

### Optional extras

- Low battery voltage monitor and indicator
- 3/5/10A automatic battery charger
- Time clock
- Earth leakage circuit breaker



### Principle of operation

1) With the selector in the AUTO position:

The load demand control module monitors the installation for any load demand that is switched or plugged in. When this happens a signal is given to the engine control module that starts the generator. When the generator has run up to speed the contactor will close supplying the installation.

When the load is reduced below 60 watts then the generator will run on for an adjustable period of time (4 seconds to 4 minutes) before shutting down and awaiting the next load demand.

Remote start and stop switches can be added to the system as well as a time clock to initiate start at pre-determined times of the day. Another option is the battery voltage monitoring that will start the generator, or keep it running, should the battery voltage drop below a preset value.

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## **GENPART (UK) LTD**

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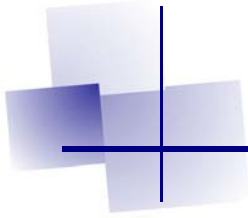
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**Principle of operation (continued)**

2) With the selector in the MANUAL position:

The set will run up to speed but not go on load unless a demand is present.

3) With the selector in the OFF position:

The generator will not start and will stop if running. For maintenance disconnect the battery to ensure the set cannot start.

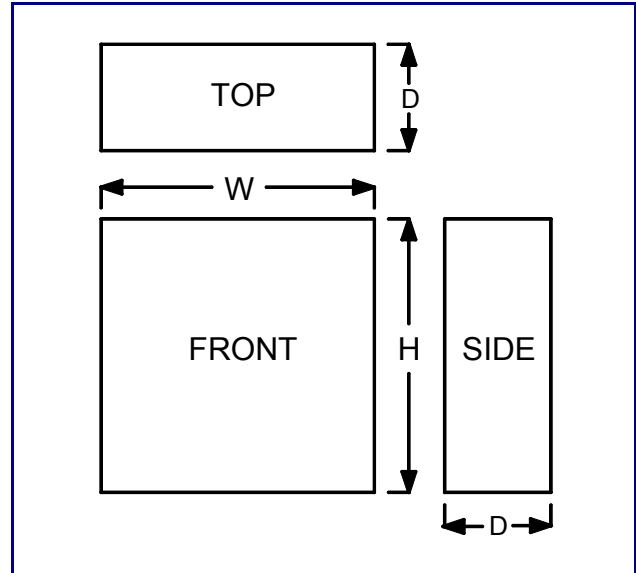
**Important notes**

If the generator is not fitted with a charge alternator it is necessary to have a battery charger to keep the battery charged. If the set is to be run for long periods then a 3 amp charger should be large enough. If the set is started and stopped regularly and run for short periods then a 10 amp charger should be fitted.

If an earth leakage breaker is not fitted in the installation distribution panel then it is advisable to fit a earth leakage circuit breaker in the start on demand panel.

Always use a competent electrician to install and maintain this equipment to ensure it meets the regulations.

**Dimensions**



	H	W	D
0-60A	600	400	250

NOTE: Certain combinations of additional options may require a larger enclosure.

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