

MSS-300 GEN PANEL

WITH ENGINE MONITORING AND FIRST-FAULT INDICATION

DESCRIPTION

The MSS-300GEN panel is an extremely powerful microprocessor-based automatic start/stop panel with engine monitoring and shutdown system. This panel has the ability to pinpoint failures in memory via one bright LED. This first-fault feature can monitor battery charge failure, low oil pressure, high temperature, over-speed and any other auxiliary an application may require. Each panel can be programmed to the customer's unique requirements by using a simple push-button binary code sequence.

This generator panel is equipped with five 2-1/16" gauge openings and is protected by LOFA's custom-designed Aluflex™ enclosure measuring only 7.5"x 12"x 6".

Each MSS-300GEN comes standard with three instruments: voltmeter, hour meter and the Integra 1000 AC generator digital display.

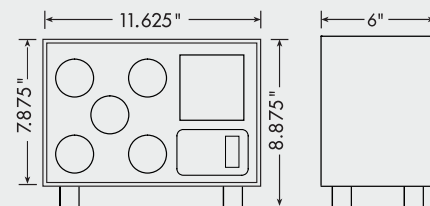
The sophisticated Integra 1000 with built-in selector switch can display up to 23 generator measurements. The generator's parameters are displayed on an easy to read three line LED screen.

All panels are equipped with vibration isolators which are specifically engineered to stabilize the panel under the most extreme industrial conditions. Panels can be custom-made to customer's specific requirements.



MSS-300 GEN Panel

DIMENSIONS



Some of the programmable features of the MSS-300 include:

- Preheat duration
- Number of restart attempts
- Pause between repeated starts
- Over-crank starter motor deactivation in seconds
- Generator load switch activation
- Engine cool-down and warm-up cycle
- Solenoid type (ETR or ETS)
- Security pass-code
- Start motor disengagement by frequency

Some of the measurements of the Integra 1000 include:

- System voltage, average current, total power
- Voltage per phase L-N,
- Voltage per phase to phase
- Current per phase
- System neutral current, frequency & power factor
- Power -kW (Active) and VAR (Reactive), kVA (Apparent)
- kWh (Active energy)
- kVAR.h (Reactive energy)
- Demand A & kW
- Maximum demand A and kW

FEATURES AND ADVANTAGES

- **Automatic engine start/stop**
- **Engine monitoring with first-fault indication** for battery charge failure, low oil pressure, high temperature, over-speed and auxiliary
- **Heavy-duty Aluflex™ aluminum enclosure** is designed to withstand the most extreme industrial applications
- **Designed for use in combination with widely available common ground contact switches**
- **Programmable over-speed shutdown**
- **Programmable automatic preheat with afterglow**
- **Programmed by use of simple push-button binary code sequence**
- **25 Parameters can be reprogrammed to meet each application's specific requirement**
- Electronics using intelligent semiconductor technology capable of up to 90A.
- Standby current: 40 mA @ 12 VDC
- **Operating temperature: -22 °F to 185 °F**
- **Optional 24V model available**
- **Easy Installation**
- **Function tested prior to shipment**
- **Customer support**
- **2-year limited warranty**



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