

Generator Monitoring and Control

The Greeve Generator Monitoring and Control unit is designed to provide remote access and control of on-site diesel and petrol generators. It provides automated functions with manual override.

In manual mode the generator can be switched on and off remotely in a number of ways. The unit can be networked to dedicated control panels or a PC; interfaces include CAN Bus and USB and, optionally, Ethernet. Wireless and GSM interfaces are offered as options as well.

The controller can be put into automatic mode. In this configuration the system monitors the voltage on a supply line, either battery or other supply, and switches the generator on when the supply goes low. The controller can be configured to run for a period of time, to ensure full charge of back-up batteries, or until the normal supply is returned.

The monitoring functions of the unit enable usage duty cycles to be recorded and potential failures predicted. The normal engine parameters of temperature, speed, and oil pressure can be logged as well as the start battery voltage. Additional parameters can be added including the generated voltage and frequency and supplied current.

The system acts as an emergency shut-down control when parameters exceed configured levels.

The switched outputs can be used to enable ignition circuits, switch start solenoids, open and close shut-off valves, isolate electrical circuits and drive alarms.

Expansion:

The unit is fully compatible with the Greeve Networked Power Control System and can interface directly with the Greeve Remote Interface Nodes (RINs) to expand digital and analogue sensing and power switching.

Bespoke Development:

Greeve can provide systems to meet exact requirements. The ECU can be provided with specific hardware and software implementations to suit customer applications.



Standard Features:

- Environmental Protection – IP67
- Shock – 50g all surfaces
- Operational Temperature -30°C to +80°C
- CAN II interface
- USB 2.0 interface
- 6 switch/PWM 4A outputs
- 4 channels of sensor/analogue input
- 4 channels of switched/digital input
- Pulse/speed input

Options:

- Ethernet interface
- GPS position
- GSM remote access (control and data)
- Power monitoring (voltage, frequency, current)
- Fuel/Load management



E&OE - Pricing subject to quotation