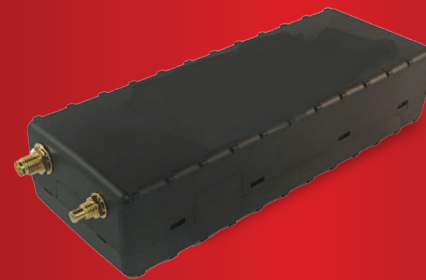


PTM400

Mobile Generator Monitoring System

The PTM400 mobile generator monitoring system is a full featured solution for any ANY portable/towable generator. The PTM400 is installed on the generator set, inside the enclosure. This monitor includes two custom wiring harnesses that can be installed on any brand/make/model generator and has seven (7) programmable bias inputs and four (4) analog inputs. These inputs are used to monitor additional alarm conditions from the generator controller and work in conjunction with our optional accessory kits. This system is equipped with an LTE modem and has a roof-mounted cellular and GPS antenna.



➔ Recommended Applications:

Any portable/towable generators. The PTM400 is best recommended for generators with multi-output controllers to maximize alert capability as well as use of optional accessory kits.

All PTM Series monitoring systems track a set of standard conditions from each generator set including:

- Generator On/Running
- Generator Off/Stopped
- Battery Level Monitoring
- Low Battery Alarm
- Engine Hours Tracking
- Daily Generator Status Checks

The PTM Series monitoring systems include a set of digital inputs used to monitor additional alarm conditions from the generator controller and work in conjunction with our optional accessory kits. Depending on the controller the monitor is connected to, these inputs can be programmed to track alarms including, but not limited to:

- Common Fault
- Common Warning/Pre-Alarms
- Low Fuel Level
- Generator Switch Not in Auto/Switch in Auto
- Low Coolant Level
- Low Coolant Temperature
- High Engine Temperature
- Low Oil Pressure
- Over Speed
- Over Crank
- Fuel Leak Detected
- & Many More!

PTM400 Features

- Roof-Mounted Cellular & GPS Combo Antenna
- LTE Modem with either AT&T or Verizon Connection
- Over-The-Air Unit Configuration and Updates
- Custom Wiring Harness Equipped with:
 - Battery + & - Leads
 - Ignition Lead
 - 7 Digital Inputs w/ 4 Ground Leads
 - 3 Analog Input
 - 5 Relay Driver Outputs
- Internal 1000mAh Lithium Ion Battery
- Remote Start/Stop Capable

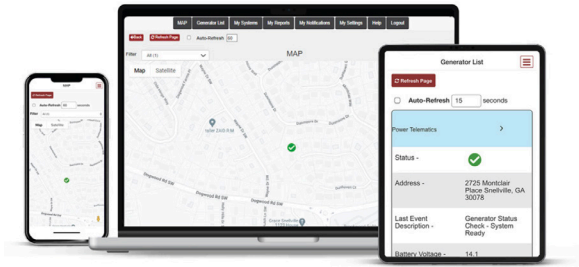
Specifications

- **Dimensions:** 4.3 x 3.2 x 0.86" (110 x 81 x 22mm)
- **Weight:** 4 oz (113g)
- **Operating Voltage:** 7-32VDC
- **Operating Temperature:** -30° to 75°C
- **Status LEDs:** GPS (Green) and Cellular (Amber/Orange)
- **Mount:** Inside the generator enclosure, Mounting bracket and screws
- **Humidity:** 95% RH @ 50°C non-condensing
- **Shock and Vibration:** U.S. Military Standards 202G and 810F, SAE J1455
- **EMC/EMI:** SAE J1113; FCC-Part 15B; Industry Canada RoHS Compliant

PTM400

Mobile Generator Monitoring System

User Interface: Power Link



Power Link is your online tool for keeping up to date with generator status, activity, readiness and more. Dive into the generator history, create reports, and manage alert notifications all from your desktop or mobile phone. Power Link has a downloadable app so you can check in at any time.

Accessory Kits

Power Telematics also offers optional accessory kits to complete and customize your monitoring experience.

Kits include:

Generator Voltage Detection Kit

This sensor is used to detect the presence of generator voltage when the generator is running. The sensor is placed on the output side of the generator breaker.

Additional Conditions Monitored:

- Generator Breaker Open
- Generator Voltage Detected

Generator Current Sensing Kit

This sensor is used to detect if current is present or “flowing” from the generator set. The sensor is installed/clamped on either side of the main line circuit breaker. If current is present, then the generator is supplying load to the building.

Additional Conditions Monitored:

- On Generator Power
- Return to Utility Power

Diesel Fuel Level Monitoring

The Ultrasonic Diesel Fuel Level Sensor is a programmable plug and play device used for diesel tanks. Using ultrasonic waves, this sensor measures fuel level for tanks up to 7’ reporting fuel level from 0-100%. Standard kit comes in 30’ cable length.

Provides Alerts for:

- Fuel Level Below 50%
- Fuel Level Below 25%
- Fuel Level Below 10%



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