

Datasheet



The Nomad Remote Monitor is capable of monitoring RS485 Modbus-RTU sensors almost anywhere on earth via satellite.

FEATURES

- Secure connections between Nomad, satellite, ground station and Nomad Explorer
- API with standard Oauth 2.0 authentication scheme for user access
- Low-cost plan
- Solar powered, battery backup
- Alarm functionalities and capabilities via email or text
- Relay I/O
- Wi-Fi configurable
- Over the air update via Satellite or Wi-fi
- Very accurate GPS
- Input or output relays autonomously configurable for alarms
- Web interface optimized for phone and tablet

NOMAD SPECIFICATIONS

Performance

- API with standard Oauth 2.0 authentication scheme

Connectivity

- Modbus, remote monitoring
- 2 M12 5 pin connectors for sensors
- 2 M12 2 pin connectors for relays
(2 Isolated Solid State Relays (120 V, 120mA Max))

Environmental

- Charge from -10° to 40° C
- Operation from -30° to 60° C

Battery

- Intelligent Li-polymer 3.7V @ 4500mAh with extended temperature range
- Fully charged from full discharge in 4 hours
- Optimized for excellent performance in cold temperatures

Electrical

- Outputs: 12 volts at 120 mA per output
- Satellite communication

Physical

- Box: 6" x 4.5" x 1.7"
- Solar panel: 13.5" x 14.5"
- Connection: 2" male NPT
- Light weight
- IP 68 rating

Memory

- Internal memory capable of storing up to 1024 messages
- 750 messages a month on a regular plan
- Easy Wi-Fi configuration interface

Certification*

- Tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules

*This device is not intended to be installed or located where the general population has access and is only intended to be installed or located in an occupational/controlled environment. If installed where access to the general population can not be avoided, a separation distance of 75cm must be maintained between public access and this device.

