

# Nomad

## REMOTE MONITOR

### 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: 14.2" x 15.4"
- 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



## ACCESSORIES

Please order separately, by part number.

Description	Part Number
VersaMount Kit 1, Quick Deploy Tripod	200989
VersaMount Kit 2, Baseplate	200990
VersaMount Kit 3, U-Bracket Structure Mount	200991
VersaMount Kit 4, W-Bracket Structure Mount	200992
Nomad 5-Pin Adapter	200999
Nomad 2-Pin Adapter	201000

## CERTIFICATION

Tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules and ISED RSS-Gen Notice CAN ICES-3 (B) NMB-3 (B)

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.

Cet appareil n'est pas destiné à être installé ou situé là où le grand public a accès et ne doit être installé ou situé que dans un environnement professionnel/surveillé. S'il est installé là où l'accès au grand public ne peut être évité, une distance de séparation de 75 cm doit être maintenue entre l'accès du public et cet appareil.



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