



## SENTRY - WD500

### Vessel Tracking & Monitoring Solutions

The Sentry is a complete tracking and remote monitoring package for your boat. Sentry allows you to view all of your boat's vital systems and critical engine data directly in the palm of your hand.



## HARDWARE:

### Wireless:

- Cellular (LTE, CAT-M1)
- GNSS (GPS, GLONASS)
- Bluetooth (BLE)
- Internal Antennas

### Serial:

- 2 CAN Bus
- RS-232

### Additional I/O:

- Status LEDs
- 3 Analog Inputs
- 7 Switched Inputs
- 3 Switched Outputs

### Power:

- 12 VDC or 24 VDC System Compatible
- Internal Battery 5000 mAh
- Battery Disconnect at 11.6VDC
- Battery Reconnects at 13.5VDC

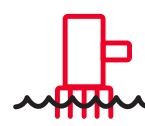
## FEATURES:



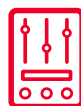
Geofencing



Engine Monitoring



Bilge Monitoring



CAN2



Battery Backup



Report Monitoring



Security



Critical Systems



Hibernation



860.848.9271



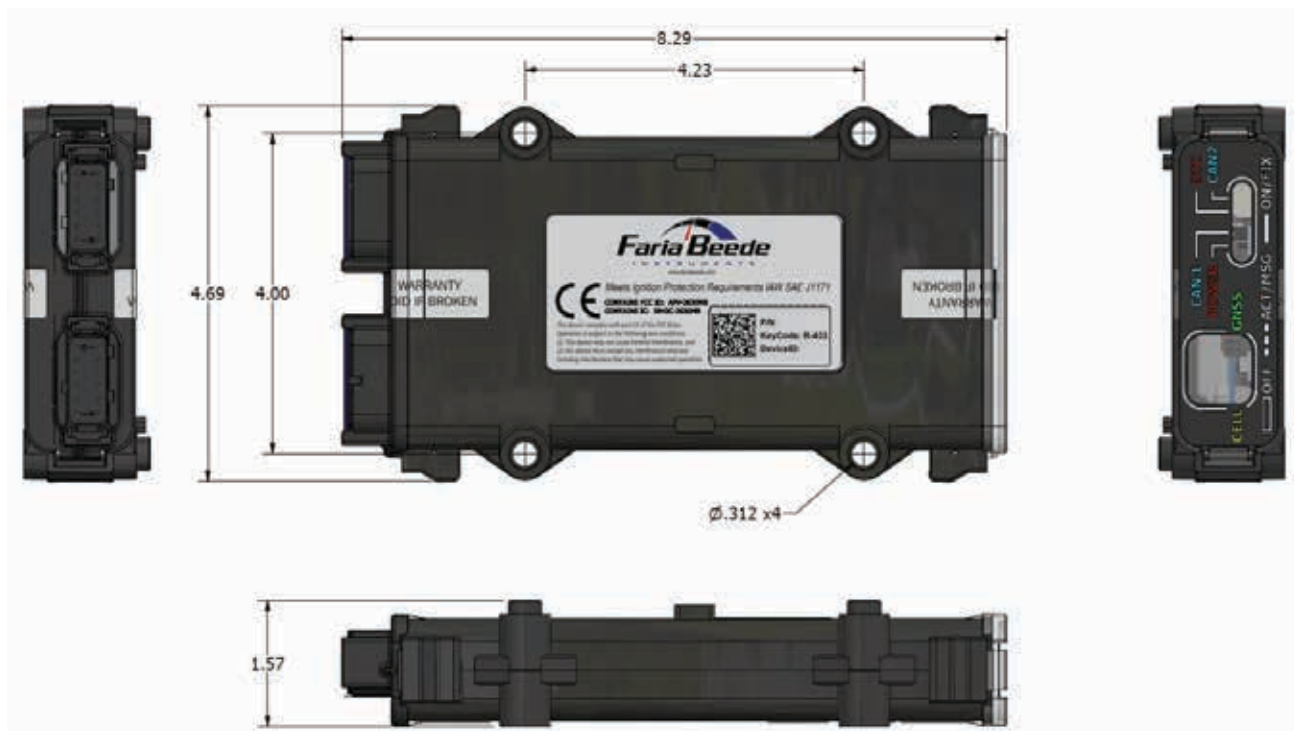
Sales@FariaBeede.com



www.fariabeede.com



## DIMENSIONS:



## FULL SPECIFICATIONS LIST

Feature	Criteria
Cellular	LTE CAT-M1 / GSM / GPRS / Status LED (Amber)
GNSS	GPS, GLONASS, Location Accuracy: ~2.0m CEP Open Sky Status LED (Green)
Bluetooth	BLE 5.0
Regulatory	CE / FCC / PTCRB - ACMA (Australian Communications - and Media Authority)
CAN Bus 1	Data rates up to 1 Mbps, ESD, Protection: ±16 kV, Status LEDs, (Blue / Red - DTC), Optional: Isolated, CAN, Transceiver (ISO1050)
CAN Bus 2	Data rates up to 1 Mbps, Status LED (Blue), ESD Protection: ±16 kV
RS-232	Data rates up to 250 kbps, ESD Protection: ±15 kVps
Operating Voltage	9.5-32 VDC (135 VDC, startup, Status LED (Red)
Power Consumption	9.5-32 VDC (135 VDC, 50 mA, (Sleep), 15 mA (Deep Sleep)
Battery Capacity	5000 mAh
Operating Temperature	-40° to 85° C (without LiPo Battery installed), -20° to 60° C (with LiPo Battery Installed)
Humidity	5% to 98% (non-condensing)
Shock	MIL-STD-202, Method 213
Water Intrusion	IP67
Salt Fog	ASTM B117-73
Chemical Exposure	Withstands exposure to: Engine Coolant, Gasoline, Hydraulic fluid, Power Steering Fluid, Engine Oil
RoHS & REACH	Compliant
REGULATORY	SAE J1171
Analog Inputs	Input Power (0 to 30 ± 0.2 VDC), 3 additional inputs (0 to 30 ±, 0.2 VDC).
Discrete Inputs	5 Active High Inputs (>5 VDC), 2 Active Low Inputs, (Open/Ground)
Discrete Outputs	3 Sinking Outputs (200 mA max.), *One output is latching, which maintains the output state during hibernation (power removed)