



# EntelNet

## RUGGED. REMOTE. RELIABLE.

# FB SENTRY

## WD500

### Vessel Tracking and Monitoring Solutions

FB-Sentry and the WD500 is a complete tracking and remote monitoring package for your boat. FB-Sentry allows you to view all of the vessel's vital systems directly in the palm of your hand.

### Keep Them On the Water™

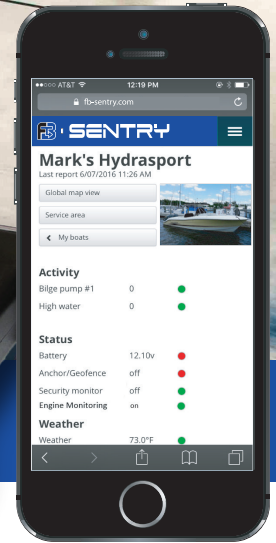
Who watches your boat when you are not there? FB-Sentry is a low cost boat monitoring system that won't cost you lots of money but will give you great peace of mind.

With the FB-Sentry installed boat owners can connect directly to their boat from any smart phones or internet connected device. FB-Sentry is a free web app that can be accessed anywhere there is internet connectivity.

From the web app the boat owner can monitor their boat's vital systems in real time, set up alerts for unusual activity and even control desired functions like lighting, refrigeration, or air conditioning. All of this for just a small monthly monitoring fee.

### Optional Sensors

Shore Power Sensor  
Temperature Sensors  
Magnetic Door Switch  
Motion Sensor  
Control Relay (12 and 24 Volt DC)



### Benefits:

#### Monitor

- Bilge Pump
  - Battery Voltage
  - Shore Power
  - Inside Temperature
  - Engine (Built-in)
- Directly integrates with your engine ECU including NMEA 2000®, SAE J1939, Yamaha and ready for SmartCraft®
- Improve engine performance & fuel usage.

#### Map

- GPS tracks and routes

#### Maintenance

- Monitors Engine hours
- Service Reminders
- Logs daily Boat data

### No hassle installation

Mounts directly under the dash with easy to connect Deutsch connectors. Enclosure is rated IP66 for Moisture and Dust control.

#### Weather

- Provides weather at your boat's location.

#### Alerts

- Security Alerts
- Anchor Alarms
- High Water Alarm
- Engine Alerts

#### Control

- Lighting
- AC/Heater

## How it Works



## Specifications

Communication	Wireless; 2G/3G Cellular
Coverage area	Worldwide Cellular Coverage
Telemetry Address	IP; Dynamic (static optional)
Configuration States	Multiple; Primary; Conditional or Contingency Event/ Alert Driven
Battery Voltage Monitor	2 External
Activation	Connect to Voltage
Wiring Harness	15 18 AWG leads, 2 18 AWG power leads (Wiring diagram available)
Harness Connection	Deutsch (Key located)
Geo-Location & Tracking	GPS
Antennas	Internal; GPS and Cellular
Logs	Permanent time stamped logs of shore power, bilge activity, battery voltage (2), GPS location, temperature, security events, engine/generator hours.
Alerts	Independent alerts for logged activities and events.
I/O functionality	5 Digital Inputs 3 Digital Outputs (200mA) 2 Analog Inputs 1-Bit Bus (Serial) 1- RS232

## Dimensions and Weight

L:	9"	(229 mm)
W:	4 5/8"	(118 mm)
H:	1.5"	(38.1 mm)
	1.5 lbs	(715 g.)

## GPS

50 Channel  
-162 dBm sensitivity  
< 2m (CEP50)  
(Circular Error Probability)

## Communication Modes

GSM/UMTS,  
HSDPA/EDGE/GPRS  
Packet data, UDP

## Certifications

CE  
FCC  
PTCRB  
Cellular Carriers

## Environmental

Voltage:	12 & 24V ready (9-30 vDC) < 20 mA during 12V sleep < 70 mA average while active
Operating Temperature:	- 30 C to + 75 C
Storage Temperature:	- 40 C to + 85 C

For more information contact



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