



# EntelNet

**RUGGED. REMOTE. RELIABLE.**



## FB · SENTRYGPS



only 4.56" x 2.25" x 1.125"

### WD310

#### Non-Powered Asset Tracking Solutions

FB-Sentry and the WD310 is a complete web based tracking package for your non-powered assets.

Monitor your assets location and ambient temperature even without power. This small self contained device monitors your assets location with GPS and supports location with Cellular Tri-location using cellular tower information when GPS signal is not available.

The rechargeable 5000 mAh lithium battery provides for long term reporting even over long lengths of time, up to 24 months.

This device, once activated, can not be tampered with and turned off mechanically. However, the owner has complete control using over the air technologies, preventing disabling.

View your assets location and get directions to your asset on the FB-SentryGPS.com website. The secure website is password protected and can view all activated assets on a single page. Drill down and get individual asset information.

#### Benefits:

- Magnetically, Temporary or Permanent mounted for easy placement
  - Can be mounted inside or outside
- IP67 rated for Water and Dust resistance
- Built in GPS and Cellular antennas
- Magnetic Trigger Activation
- GPS and Cellular Geo-Location & Tracking
- Rated for temperature down to -50°C (-58°F)
- Built-in thermistor measures and reports temperature at the device
- Internally powered device with up to 1 year of daily reporting

#### Battery Life based on reporting cycles

- 10 months reporting twice/day
- 12 months reporting daily
- 18 months reporting every other day
- 24 months reporting weekly
- Up to 1500 reports within first six months
- Up to 750 reports within first year

## How it Works



## Specifications

### Cellular Tri-location:

- If GPS signal is unavailable (for instance if asset is in metal building), the Faria Beede WD310 will use cellular tower information for a low-precision location. Accuracy is not possible, but reliable, general location information is available. Precision within ½ mile is about average at this time, but location within 50-300 yards is possible.

### USB charger:

- Works with any 5v cellphone charger with micro-USB connector
  - Works with portable “battery pack” chargers
  - Internal charging occurs at maximum of 1amp (fast charging not available)
- Optional charger is 5W (1A)

## Dimensions and Weight

L:	4.56”	(115 mm)
W:	2.25”	(57 mm)
H:	1.125”	(28.6 mm)
	6.5 oz.	(185 g.)

## GPS

12 Channel  
-157 dBm sensitivity  
< 2m (CEP50)

## Communication Modes

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

## Certifications

FCC  
PTCRB  
Cellular Carriers

## Environmental

### Power:

- 5000 mAh lithium rechargeable battery, 3.6 volts
  - <50 uA sleep
  - <150 mA avg. active
  - Operating temp. -20°C to 60°C (-4°F to 140°F)  
(Continued operation at temperature extremes may reduce battery performance)
  - Storage temp. -40°C to 80°C (-40°F to 176°F)
- Ingress Protection Rating: IP67
- Totally protected against dust
  - Protected against the effect of immersion up to one meter deep

For more information contact



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Web: [www.FariaBeede.com](http://www.FariaBeede.com)