Text2Car AT-AA Asset Tracker

Text2Car provides a family of products and services to help businesses manage employees, vehicles and assets. Using the latest cellular and GPS technology we offer customers the ability to control and monitor from one to thousands of devices simultaneously from any internet connected device.

Device Overview

The AT-AA is an AA Alkaline battery-operated asset location/tracking product designed for reliable, multi-year deployments. The AT-AA is equipped with internal cellular and GPS antennas, and is an ideal solution for managing assets the will be deployed for long periods of up to 2 years without maintenance needs. This device also works well for shorter-term applications for time/event-driven tracking independent of using a vehicle's/asset's battery power source. Additionally, operation of device can be remotely altered to meet changing requirements.

Operation

The AT-AA is deployed with a standard software script to maximize battery life. This script provides an update once a day which includes the device location, direction, speed, time and internal device status. After the once a day update is completed the device with check in with the system and complete any software updates or changes that have been requested. In a situation where a frequency of a once a day update is not adequate i.e. stolen vehicle/asset. Operational features and functionality of the device can be altered to commence event based tracking.

Event based tracking will show turn by turn information and provide the ability to real time locate the device. However this will dramatically reduce battery life.

Specifications

- Housed in a IP66 sealed and rugged enclosure
- Dimensions of 2.9 x 4.9 x 1.4"/ 74 x 124 x 36mm 11 oz/ 325 g
- 2,000 buffered messages
- 10 built-in geo-fences
- (6) 1.5V AA Alkaline Cells
- -30º to +75º C (operating)
- -40º to +85º C (storage)
- Humidity 95%RH @ 50º C non-condensing
- U.S. Military Standards 202G and 810F, SAE for Shock and Vibration
- EMC/EMI J1455 SAE J1113; FCC–Part 15B; Industry Canada RoHS Compliant
- Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

Case Studies

A client using the AT-AA device is an industrial rental company. They place the devices in high impact cases with dog ear mounts for fast and easy attachment and removal. When a piece of equipment is prepped for delivery a device is attached using 2 bolts, when the equipment is returned the device is removed and placed back in stock until needed for the next rental. This application allows the company to track arrival and departure times and create relevant reports.

Another client using the AT-AA is a construction company with portable tool trailers. The devices are mounted on the outside of each trailer and allow the company to track time spent at each job site. The ability to see the location of each trailer provides effective utilization of their equipment, and helps with planning and fulfilling future contracts. Also, the devices offer piece of mind to the company as the trailers and their contents are high theft items.

A major project contractor with frequently deployed high-value equipment required a more effective method of utilization. They have placed AT-AA devices inside the equipment cases to enable greater management of equipment. This allows them to secure the assets for upcoming projects, reduce transportation time, and effectively determine the need to increase or decrease equipment inventory.