Globalstar Satellite Asset Tracking

Designed for the intelligent management of powered and non-powered fixed and mobile assets, the SmartOne is a practical solution for tracking asset location, reporting unauthorized movement, engine runtime reporting and major fault monitoring as well as a multitude of other applications. Track intermediate bulk containers, vehicles and boats as a solution to improve your assets efficiency and security.

The SmartOne can be line-powered (operates on external power) or in the absence, interruption or failure of line-power, the SmartOne will automatically switch to battery back-up to ensure transmissions continue. When using line-power, the user has maximum flexibility in messaging frequency allowing for regular monitoring of asset location.

The SmartOne utilizes motion sensors, comparative GPS positions and custom configured sensors to gather and transmit asset status information. Each SmartOne is configured to track its asset's specific needs and provide intermediate and emergency alerts by email or text (VAR software integration required).

KEY FEATURES

Automatic Alerts
Change of location sensing sends alerts if asset moves outside of pre-determined range. Also transmits Low Battery alerts.

Messaging Cost Reduction Mode
Reduced satellite messaging if asset remains in same location for a pre-determined period of time.

Hardware On/Off Feature
Allows the unit to initiate GPS re-centering functionality.

Mobile Tracking Synchronization
Devices can be synced with cell phone tracking or fleet tracking.

BENEFITS

Quick Installation
Use industrial adhesives, brackets or screw mounts for installation. Requires no harnesses, external power or external antenna.

AA Lithium Battery Pack
Provides 3+ years of battery life. Removes the need to purchase expensive proprietary batteries for replacement. Operates in -30° to +60° C temperatures.

Daily/Hourly Notifications
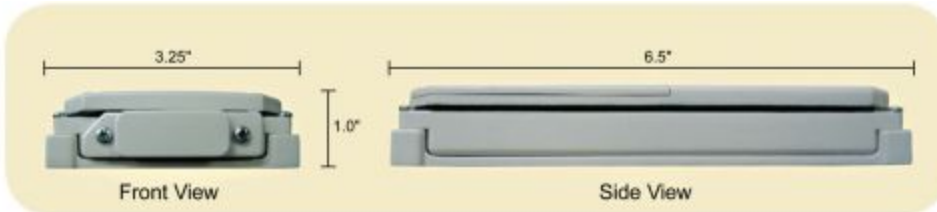Notifications are generated every day if no motion is detected; every six hours during continuous motion.

Login/Password Synchronization
Simply by syncing login/password details between your fleet's Smartone and cell phones, you start building a more efficient team.

TECHNICAL SPECIFICATIONS

Front View — 3.25" · 1.0"
Side View — 6.5"

Unscrew and rotate connector cover to power on/off unit

Operating Specifications

Dimensions	3.25"H x 6.5"W x 1.0" D
Weight	13.5oz/385g (with 4 batteries and mounting hardware)
Operating Temperature	-30° to +60° C Note: The unit shall remain operational over the -40° to +85°C range, though may experience battery life and RF signal degradation
Line power	Up to 48 volts DC
Battery Type	4 AA 1.5V lithium Provides 3+ years of battery life Removes the need to purchase expensive proprietary batteries for replacement
Certifications	UL913 and CSA C22.2 No. 157 Certified Intrinsically Safe for use in Class I, Division 1 Groups A, B, C, D environments for US and Canada ANATEL Certification for Brazil (pending) FCC CFR Parts 15 and 25 Industry Canada CE Mark (European Certification) COFETEL
Standards	SAE J1455 MIL STD 810 NEMA 4X / IP68 RoHS Compliant
Satellite Technology	Global LEO Satellite operation using the Globalstar Simplex Data Network

Feature Set

STANDARD MESSAGING:
- Wake, GPS locate, transmit location, resume sleep
- Up to 12 programmable sleep time-of-wake settings

ALTERNATIVE REPORTING:
- Alternate supervisory reporting schedule triggered by alarm or motion
- Transmits GPS location on alternate interval for programmed time or while alarm remains active

INTEGRATED VIBRATION SENSOR:
- Message on start and stop
- Engage interval override on motion for set time or while in motion
- Integrated Motion (Vibration) Sensor sends messages on start and stop motion event

MESSAGING COST REDUCTION:
- Reduced satellite messaging if asset remains in same location or cannot obtain a GPS fix (indoors)

CHANGE OF LOCATION:
- Theft recovery reporting based on distance moved
- Reduced messaging mode

SERIAL COMMUNICATION CAPABILITY:
- User defined messages
- Serial (TTL) I/O capability to interface with remote passive and smart sensors and deliver user defined messages

Know where your assets are. You can't manage what you don't measure.