



SmartOne by Globalstar

The SmartOne is a cost-effective, fit-and-forget tracking solution that provides 3+ years operation, without the need for an external power supply.

Overview

Ideally suited for the intelligent management of fishing vessels, barges and work boats, the SmartOne is a practical solution for engine runtime reporting and major fault monitoring.

The "vessel ready" design allows it to be installed easily and field managed without the need for harnesses, antennas, or external power. The SmartOne is powered by 4 x AA 1.5V lithium batteries providing 3+ years of battery life, for a fit-and-forget solution, without the need to purchase expensive proprietary batteries for replacement.

The SmartOne utilises motion sensors, comparative GPS positions and custom configured sensors to gather and transmit vessel status information. Each SmartOne is configured to track its vessels specific needs and provide intermediate and emergency alerts by email and/or text/cellular.

Key benefits

- Fit and forget design, requires minimal maintenance
- Easily mounted with automotive adhesive tape or screw mounting
- Operates for 3+ years on 4 off-the-shelf AA 1.5V lithium batteries
- Three Reporting Modes: Based on 'in-motion' or stationary status
- Operates in extreme temperatures and conditions
- Requires no harnesses, no external power and no external antenna
- Change of location sensing sends alerts if asset moves outside of pre-determined range
- Reduced satellite messaging if asset remains in same location



SmartOne TECHNICAL SPECIFICATION

PHYSICAL	
Overall dimensions	3.25" X 6.5" X 1.0"
Weight	70 grams

ENVIROMENTAL	
Operating temperature range	-30 to +60°C
Environmental rating	IP68

MESSAGING	
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 motion sensor	Message on start and stop. Engage interval override on motion for set time or while in motion.
Messaging cost reduction	Reduced satellite messaging if asset remains in same location or cannot obtain a GPS fix (indoors).

ALERTS	
Device events	Wake, sleep Low battery warnings Reporting schedule triggered by alarm, motion & distance moved Engine runtime reporting and major fault monitoring Ignition on/off I/O sensors, diagnostics

GPS	
Type	Internal GPS

POWER	
Power source	4 x Lithium AA Batteries (not included)
Battery life	3+ years

SATELLITE	
Satellite service	Globalstar
Coverage	Partial

CERTIFICATIONS / COMPLIANCE	
Certifications	Intrinsic Safety (UL Class 1, Division 1 Groups A, B, C, D) for US and Canada FCC CFR Parts 15 and 25 Industry Canada CE Mark (European Certification) COFETEL
Standards	NEMA 4X / IP68 RoHS Compliant