

SAT-202-LRIT

Satellite Terminal

The SAT-202-LRIT satellite terminal from Honeywell Global Tracking is designed to fully comply with the International Maritime Organization's mandatory SOLAS V/19-1, Long Range Identification & Tracking (LRIT) Regulations. These UN regulations state that vessels over 300 gross tonnes venturing in international waters must send regular reports to their designated flag authority, identifying ship ID, ship position, as well as date and time of the ship position.

The SAT-202-LRIT is a low cost stand-alone solution, ideal for vessels that either do not have compliant equipment or the cost of upgrading existing equipment is prohibitive. The terminal uses the Inmarsat IsatM2M protocol and ensures complete compliance at a very low cost for both the vessel operator and the Flag State.

The SAT-202-LRIT is pre-configured out-of-the-box ready for LRIT operation and includes the satellite modem, mounting bracket and a 20m (65ft) cable – everything you need for a successful installation.

The SAT-202-LRIT terminals have a very low profile, making them ideal for discreet maritime installations where security is paramount.

The SAT-202-LRIT will automatically roam between geostationary satellites, allowing complete, seamless and uninterrupted global coverage across all ocean regions of the world.

Honeywell Global Tracking has been successful in the maritime market for many years, providing solutions to both the commercial and private sectors. All of our maritime solutions are easy to install and are fully certified for marine environments.



Features

- **Standards Compliant:** Complies with SOLAS V19.1 regulations for Long Range Identification & Tracking (LRIT)
- **Rugged:** Robust and easy to install, certified for marine environments
- **Affordable and Reliable:** Field-proven and cost-effective tracking solution
- **Global Coverage:** Offers secure satellite connectivity across all major ocean regions
- **Flexible Mapping:** Facilitates viewing of assets using Google and Bing maps in a standard browser, or integrates data feeds into custom enterprise resource planning (ERP) solutions
- **Multiple I/O Ports:** Connected external sensors can report additional data for custom solutions
- **Optional Alert Button:** Allows drivers to immediately warn others of dangers

SAT-202-LRIT Technical Specifications

Physical	
Dimensions	112mm x 46mm (4.4" x 1.8")
Weight	350g (12.3 oz) (excluding cable)
Connector	12-way plug
Environmental	
Operating Temperature	-40°C to +70°C (-40°F to +158°F) Requires special cable below -25°C (-13°F)
Humidity	≤ 95% @ +40°C (+104°F)
Vibration and Shock	Meets Inmarsat-D & EN60945 requirements
IP Rating	IP66
Power	
Sleep	0.75mW
Receive	1W (incl. GPS)
Slotted Receive	50mW (effective continuous receive power)
Transmit	6W
Power Supply Voltage	9.6V to 32V 'smoothed' DC
Satellite Connectivity	
Transmitter	EIRP: 0-9dBW Tx Burst Duration: 2s or 8s (auto select)
Receiver	≥ -25dB/K at EL = 30° User data rate ~36 bits per second
Elevation Angle	0° - 90°
Frequency Range	Transmit: 1626.5-1660.5 MHz Receive: 1525.0-1559.0 MHz GPS: 1575.42 ± 1.0 MHz
GPS	Channels: 50, Typical time to first fix Cold Start: <29 seconds Hot Start: <1s (GPS was off for less than 2 hours) Typical position accuracy (SA Off): 2.5m (CEP, 2D)
Capabilities/Applications	
Maritime	Ruggedized for maritime use
Certifications	
Inmarsat Type Approval	Yes
FCC	Yes
CE	Yes
EN60945	Yes

For more information:

www.gt.honeywell.com

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