



Sirius One - LRIT

A dedicated, standalone LRIT transceiver to satisfy your LRIT compliance needs globally, including A4 regions.

The Pole Star SIRIUS One - LRIT solution has been developed with Polaris Electronics A/S, combining a vast array of customer feedback, along with the hard earned experience gained from years of deploying of high tech hardware in the maritime environment. Robustness, reliability and low cost were the focus points during the design of this global LRIT solution.

KEY BENEFITS

- / Compact and lightweight
- / Simple installation - Just add power for standalone operation
- / Fits directly on a 1"-14 pipe
- / Report format complies with LRIT

Utilising the Iridium satellite network as well as a cutting edge low powered combined GPS and GLONASS module, SIRIUS One delivers an excellent solution to satisfy ship operators obligations for LRIT compliance. Iridium Satellites provide not only true global tracking and connectivity, but also relieve you from the constraints of the geo-stationary satellites that limit the placement of the transceiver on-board vessels.

FEATURES

- / Fully self-contained transceiver
- / Built in GPS and GLONASS antenna
- / Built in Iridium antenna
- / Heater for sub-zero charging
- / LED status on the bottom of the transceiver
- / Internal battery operative for up to 24 hrs

Sirius One TECHNICAL SPECIFICATIONS

Physical

Overall dimensions	103mm x 103mm x 39.5mm
Weight	290g without battery 390g with battery
Interfaces	Wi-Fi access point*, ethernet, RS232/RS485, USB, IO pins, CAN-Bus <small>*Wi-Fi is the only connection available without the connection box installed. For more information contact us.</small>

Environmental

Operating temperature range	-25° to +50° C
Storage temperature range	-40° to +80° C

Power

RX mode	< 250mA
TX mode	< 2A
Power save	< 50mA
Nominal Power range	12 VDC - 24 VDC

Certification / Compliance

Approvals	FCC, CE, IEC 60945, Iridium, IP67
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Please check with your Flag to ensure Pole Star is an approved LRIT testing ASP for them.

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