

MODEL RTR-LS Narrowband Radio Link

General Description

The HydroLynx Model RTR-LS radio transceiver is used in ALERT telemetry as the RF link in the Data Receivers and Repeaters. This radio is FCC type accepted for Narrowband operation.

The radio is programmable with a maximum of 8 channels. Each channel has a receive and transmit frequency pair. The receive and transmit frequencies can be different but all frequencies must be within the radio's frequency band. An optional external switch may be added.

Specifications

FCC Identifier:
VHF:..... AIERIT17-142
UHF:..... AIERIT17-442
Emission Designator:..... 10K4F3E
Frequency Band:
VHF:..... 154 to 174 MHz
UHF:..... 400 to 420 MHz
(Other bands are available)
Number of Channels:..... 8
Frequency Stability: ± 2.5 PPM (-30 to +50 °C)
RF Output Power:..... 5 watts
Power Supply:..... 8 to 15 Vdc
Current Drain:
Receive Standby:..... < 20 mA
Receive Unsquelled:..... < 250 mA
Transmit: < 1.0 A
Operating Temperature: -30 to 60 °C
Dimensions:..... 1.25 in. x 3.0 in. x 5.0 in.
Weight:..... 3.8 oz.

Ordering Information

RTR-LS-V Narrowband Radio Link, VHF
RTR-LS-U Narrowband Radio Link, UHF
RPA-T Power Amplifier, 20 watt @ 50% duty



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