



### General Description

The HydroLynx Model RTR-LS radio transceiver is used in ALERT telemetry as the RF link in 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 frequencies can differ but must fall within the radio's frequency band. An optional external switch may be added.

### Specifications

#### FCC / Emission

<b>VHF Identifier</b>	AIERIT17-142
<b>UHF Identifier</b>	AIERIT17-442
<b>Emission Designator</b>	10K4F3E

#### Frequency

<b>VHF Band</b>	154 to 174 MHz
<b>UHF Band</b>	400 to 420 MHz
<b>Channels</b>	8
<b>Stability</b>	± 2.5 PPM (-30 to +50 °C)

#### RF & Power

<b>RF Output Power</b>	5 watts
<b>Power Supply</b>	8 to 15 Vdc
<b>Receive Standby</b>	< 20 mA
<b>Receive Unsquelched</b>	< 250 mA
<b>Transmit</b>	< 1.0 A

#### Physical

<b>Operating Temp.</b>	-30 to 60 °C
<b>Dimensions</b>	1.25 in. x 3.0 in. x 5.0 in.
<b>Weight</b>	3.8 oz.



*Model RTR-LS Narrowband Radio Link*

### Ordering Information

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