

SEAHAWK LEAK DETECTION



The SeaHawk LDRA6 monitoring system detects and reports the presence of water and other conductive liquids, as well as monitors dry contact alarm points. Each input can be configured for leak detection or dry contact annunciation. When used with SeaHawk Water Leak Detection Cable (SC), the LDRA6 provides an advanced control head to monitor six individual zones. When a conductive liquid comes in contact with the sensing cable, an alarm sounds and the summary alarm relay and zone relay activate. The LED that corresponds with the appropriate zone then illuminates and an audible alarm is activated.

The LDRA6 is a supervised system that continuously monitors the cable for leaks and cable integrity. A cable break causes a cable fault indication. An alarm sounds and the appropriate zone relay and the summary alarm relay activate. The appropriate LED changes to indicate a cable fault has occurred.

The relay outputs in the LDRA6 may be configured as supervised or unsupervised. Each zone can be configured with unique, individual settings. When the custom specified alarm condition occurs, the LDRA6 activates the appropriate relay and alarm LED.

Key Features & Benefits

- Adjustable leak alarm thresholds to help prevent false alarms
- Each zone monitors up to 1000' (305m) of sensing cable
- RS-232 port allows configuration with PC and panel customization
- Dual dry contact output panel summary for both fluid detected/leak and cable break
- Adjustable alarm and leak delay
- 1-to-1 relay outputs
- Modbus Option (RS-485) for simple integration with other systems
- Simple installation and setup
- Very customizable unit for meeting your unique system requirements
- RoHS compliant

Specifications

Power	24VDC @ 600mA max. (power supply optional)
Inputs	
Water Leak Detection Cable	Requires 15' (4.57m) leader cable per zone; leader cable not supplied (LC Kit optional)
Maximum Length	1,000' (305m) per zone
Detection Response Time	20-3600sec, software adjustable in 10sec increments; ±2sec
Outputs	
Relay	1 Form C Summary Alarm Relay, 1 Form C Alarm 1 Relay, 1 Form C Alarm 2 Relay, 1 Form C Alarm 3 Relay, 1 Form C Alarm 4 Relay, 1 Form C Alarm 5 Relay, 1 Form C Alarm 6 Relay; 1A @ 24VDC, 0.5A resistive @ 120VAC; Configurable for supervised or non-supervised, latched or non-latched
Communications Ports	
RS-232	9600 baud; Parity none; 8 data bits, 1 stop bit
RS-485	1200, 2400, 9600 or 19,200 baud; Parity none, odd, even (programmable); 8 data bits, 1 stop bit
Protocols	
Terminal Emulation (RS-232)	VT100 compatible
Modbus (RS-485)	Slave; RTU Mode; Supports function codes 03, 04, 06 and 16 (Modbus optional)
Alarm Notification	
Audible Alarm	85DBA @ 2' (0.6m); re-sound (disabled, 8,16 or 24 hours)
Front Panel Interface	
LED Indicators	1 green Power (on/off); 6 green/red/yellow Status (1 per zone)
Push Buttons	1 Quiet/Test/Reset
Operating Environment	
Temperature	32° to 122°F (0° to 50°C)
Humidity	5% to 95% RH, non-condensing
Altitude	15,000' (4,572m) max.
Storage Environment	-4° to 158°F (-20° to 70°C)
Dimensions	10.5"W x 8.0"H x 2.0"D (267mmW x 203mmH x 51mmD)
Weight	4 lbs. (1.82kg)
Mounting	Vertical wall mount
Certifications	CE; UL STD 61010-1, EN STD 61010-1, CAN/CSA C22.2 STD no. 61010-1



FORT COLLINS CO
970 484-6650
970 484-6650 FAX
WWW.RLETECH.COM

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