



SeaHawk LDRA6

The SeaHawk LDRA6 is designed as a multi-functional alarm panel that accommodates up to six inputs. When integrated with SeaHawk leak detection cable (sensing cable) or spot detectors (SD-Z/SD-Z1), the LDRA6 detects the presence of any conductive fluid and alarms the appropriate zone. Additionally, each input can be configured to annunciate alarms from equipment and sensors that provide a digital dry contact signal (e.g., HVAC, PDU, UPS, generator summary/ alarm contacts).

In addition to a panel summary relay output, each input has a unique relay output.

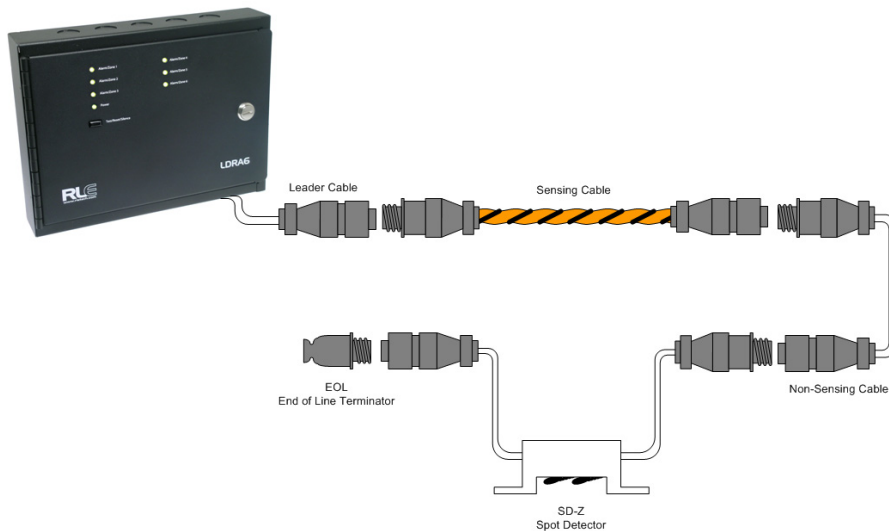
Each zone on the LDRA6 can accommodate up to 1,000 feet (305m) of sensing cable. A Leader Cable Kit (LC-Kit) is required for the sensing cable zone. The LDRA6 is most commonly used when there is a need to detect fluid leaks in multiple areas, and/or annunciate alarms from critical facility equipment and/or sensors.

Features

- Multi-functional controller with audible alarm
- Form C relay output for each input
- Adjustable leak thresholds
- Supervised inputs
- Tri-color LEDs
- Modbus RTU (EIA-485)

Benefits

- Annunciates leak detection alarms and/or NO/NC dry contacts
- Simple integration into an existing alarm monitoring system
- Helps to prevent false/nuisance alarms
- Identifies cable disconnects and breaks
- Easily identify zone status (e.g., normal/ alarm/fault)
- Conveniently integrates with Building Management Systems (BMS)



Example LDRA6 application

Leak Detection

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LDRA6 Specifications

Power	24VDC @ 600mA max.; requires power supply: PSWA-DC-24 (not included) 24VAC Isolated @ 600mA max, 50/60Hz; requires power supply: WA-AC-24 (not included)
Accessories (not included)	Leader cable and EOL terminator (LC-KIT), caution tags (SC-T), framed reference map (FM1114), leak detection cable (sensing cable; SC-xx), non-sensing cable (NSC-xx), spot detector (SD-Z1), X-Connector for cable branching (X-CON), weighted cable connector (WCCS-50), J-Clips for securing cable (JC-xx)
Inputs	
Water Leak Detection Cable	Compatible with SeaHawk sensing cable (not included) or SeaHawk spot detectors (SD-Z or SD-Z1 only; not included)
Cable Input	Each input requires SeaHawk LC-Kit: 15ft (4.57m) leader cable and EOL (not included)
Maximum Length	1,000ft (305m) per zone
Detection Response Time Digital	20-3600sec, software adjustable in 10sec increments; ±2sec Dry Contact NO/NC (<25mA)
Outputs	
Relay	1 Form C Summary Alarm Relay, 6 Form C alarms, one per input/zone 1A @ 24VDC, 0.5A resistive @ 120VAC; Configurable for supervised or non-supervised, latched or non-latched
Communication Ports	
EIA-232	9600 baud; Parity none; 8 data bits, 1 stop bit
EIA-485	1200, 2400, 9600 or 19,200 baud; Parity none, odd, even (programmable); 8 data bits, 1 stop bit
Protocols	
Terminal Emulation (EIA-232)	VT100 compatible
Modbus (EIA-485)	Slave; RTU Mode; Supports function codes 03, 04, 06, and 16 (removed "optional")
Alarm Notification	
Audible Alarm	85DBA @ 2ft (0.6m); re-sound (disabled, 8,16 or 24 hours)
Visual Alarm	LED: Alarm: red; Cable Fault: yellow
Front Panel Interface	
LED Indicators	Power: 1 green (on/off); Status (1 per zone): 6 tri-color (Power On: green; Alarm: red; Cable Fault: yellow)
Push Buttons	Quiet/Test/Reset: 1
Operating Environment	
Temperature	32° to 122°F (0° to 50°C)
Humidity	5% to 95% RH, non-condensing
Altitude	15,000ft (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	Wall mount enclosure
Certifications	CE; ETL listed: conforms to UL STD 61010-1, EN STD 61010-1; certified to CSA C22.2 STD NO. 61010-1; RoHS compliant



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