

LDRA6

Leak Detection

SIX ZONE LEAK DETECTION CONTROLLER & REMOTE ALARM ANNUNCIATOR

01

APPLICATIONS:

- Monitor both leak detection and dry contact inputs from one panel.
- Annunciate the status of sensors and other equipment
- Use in installations where multiple zones of leak detection are required

02

KEY FEATURES:

- Six separate zones that can be individually configured for leak detection or remote annunciation
- Each zone monitors up to 1,000 feet of sensing cable and spot detectors - up to 6,000 feet total
- Adjustable leak alarm sensitivity thresholds
- Durable NEMA 1 enclosure
- Form C relay output for each input, configurable as supervised or non-supervised, latching or non-latching
- Tri-color LED for each input
- Modbus RTU communications

03

WHAT SETS RLE'S LDRA6 APART?

- **Hybrid panel allows** each zone to be configured to provide alarm annunciation for either one zone of leak detection or an integrated dry contact input from a sensor or larger piece of equipment.
- **A supervised system,** the controller continuously monitors the cable for leaks, breaks, and disconnects and sends an alarm notification when one is detected.
- **Local alarm annunciation and seamless integration.** Onboard audible and visible alarms and relay outputs allow the LDRA6 to announce which zone or input is in alarm and deliver that information directly to a larger monitoring or BMS system.

04 LEAK DETECTION AND REMOTE ANNUNCIATION IN ONE PANEL:

The SeaHawk LDRA6 accommodates up to six inputs. These inputs can be configured for zone leak detection or as remote alarm annunciators.



05 LDRA6: Compatible with all RLE SeaHawk sensing cables and the SD-Z and SD-Z1 spot detectors

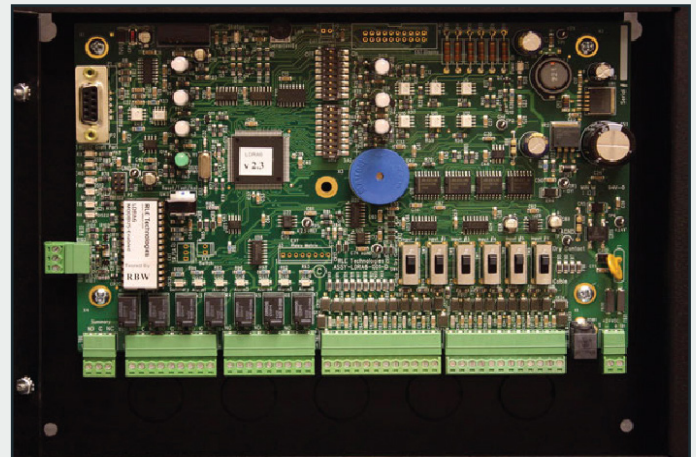
Product Codes

LDRA6	Six zone/input dual functionality controller. Does not include LC-KITs. Requires PSWA-DC-24.
PSWA-DC-24	Power adapter; isolated 100-240VAC to 24VDC, 50/60Hz; barrel connector; includes type A blade.
LC-KIT	Leader cable and end-of-line (EOL) terminator; 15ft/4.57m; for use with SC, SC-ZH, SD-Z.
LC-KIT-M	Leader cable and end-of-line (EOL) terminator; 15ft/4.57m; for use with SC-C

Power Supply PSWA-DC-24



Internal Board



06

Technical Specifications	
Power	Requires an isolated power supply. 24VDC Isolated @ 600mA max.; requires RLE power supply PSWA-DC-24 (not included)
Sensing Cable Cable Input Maximum Length Detection Response Time	Compatible with all SeaHawk sensing cables and the SD-Z and SD-Z1 spot detectors EACH input requires LC-KIT: 15ft (4.57m) leader cable and EOL (not included) Up to 1,000ft (305m) of sensing cable and spot detectors per zone; 6,000ft (1830m) total 20-3600sec, software adjustable in 10sec increments; ± 2 sec Dry Contact NO/NC (<25mA)
Relay Outputs	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 EIA-485	9600 baud; Parity none; 8 data bits, 1 stop bit 1200, 2400, 9600 or 19,200 baud; Parity none, odd, even (programmable); 8 data bits, 1 stop bit
Protocols Terminal Emulation (EIA-232) Modbus (EIA-485)	VT100 compatible Server; RTU Mode; Supports function codes 03, 04, 06, and 16
Alarm Notification Audible Alarm Visible Alarm	85DBA @ 2ft (0.6m); re-sound (disabled, 8,16 or 24 hours) LED: Alarm: red; Cable Fault: yellow
Front Panel Interface LED Indicators Push Buttons	Power: 1 green (on/off); 1 tri-color Status LED per zone (6 total) (Power On: green; Alarm: red; Cable Fault: yellow) Quiet/Test/Reset: 1
Operating Environment Temperature Humidity Altitude	32° to 122°F (0° to 50°C) 5% to 95% RH, non-condensing 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 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS compliant