

Monitor. Integrate. Alert. Peace of Mind.

### Applications

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

### 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
- Form C relay output for each input, configurable as supervised or non-supervised, latching or non-latching
- Adjustable leak alarm sensitivity thresholds
- Durable NEMA 1 enclosure
- Tri-color LED for each input
- Modbus RTU communications



### 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.

### 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.

# 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

| Technical Specifications  |  |
|---|--|
| Power   | Requires an isolated power supply.<br>24VDC Isolated @ 600mA max.; requires RLE power supply PSWA-DC-24 (not included)   |
| Sensing Cable<br>Cable Input<br>Maximum Length<br>Detection Response Time | Compatible with all SeaHawk sensing cables and the SD-Z and SD-Z1 spot detectors<br>EACH input requires LC-KIT: 15ft (4.57m) leader cable and EOL (not included)<br>Up to 1,000ft (305m) of sensing cable and spot detectors per zone; 6,000ft (1830m) total<br>20-3600sec, software adjustable in 10sec increments; ±2sec Dry Contact NO/NC (<25mA) |
| Relay Outputs   | 1 Form C Summary Alarm Relay,<br>6 Form C alarms, one per input/zone<br>1A @ 24VDC, 0.5A resistive @ 120VAC;<br>Configurable for supervised or non-supervised, latched or non-latched  |
| Communication Ports<br>EIA-232<br>EIA-485                                 | 9600 baud; Parity none; 8 data bits, 1 stop bit<br>1200, 2400, 9600 or 19,200 baud; Parity none, odd, even (programmable); 8 data bits, 1 stop bit   |
| Protocols<br>Terminal Emulation (EIA-232)<br>Modbus (EIA-485)             | VT100 compatible<br>Server; RTU Mode; Supports function codes 03, 04, 06, and 16   |
| Alarm Notification<br>Audible Alarm<br>Visible Alarm                      | 85DBA @ 2ft (0.6m); re-sound (disabled, 8, 16 or 24 hours)<br>LED: Alarm: red; Cable Fault: yellow   |
| Front Panel Interface<br>LED Indicators<br>Push Buttons                   | Power: 1 green (on/off); 1 tri-color Status LED per zone (6 total) (Power On: green; Alarm: red; Cable Fault: yellow)<br>Quiet/Test/Reset: 1   |
| Operating Environment<br>Temperature<br>Humidity<br>Altitude              | 32° to 122°F (0° to 50°C)<br>5% to 95% RH, non-condensing<br>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   |

