



# LEVEL & LEAK DETECTION

## LEAK DETECTION MONITOR

### LDR A6

#### DESCRIPTION

The RLE Technologies LDR A6 leak detection monitor detects the presence of water, conductive fluids, and chemicals. When a leak is detected, the unit annunciates an alarm for the corresponding zone. The Model LDR A6 accommodates up to six inputs which can be configured for zone leak detection or as remote alarm annunciators. Each of the six zones can accommodate up to 1,000 ft (305m) of sensing cable or 700 ft (213m) of chemical sensing cable. As a remote alarm status panel, each of the six inputs can be configured to relay and annunciate alarms from equipment and sensors that provide a digital dry contact signal.

#### FEATURES

- Multi-functional controller with audible alarm
- Adjustable leak thresholds
- Accommodates up to six inputs
- Tri-color LEDs
- Quiet, test, reset push button
- Modbus communication



LDR A6



#### SPECIFICATIONS

<b>Supply Voltage</b>	24VDC @ 600mA max.; requires RLE power supply: PSWA-DC-24 (not included)	<b>LED Indication Response Time</b>	Cable Input: Each input requires SeaHawk LC-Kit: 15ft (4.57m) leader cable and EOL (not included) Maximum Length: Up to 1,000ft (305m) of conductive fluid sensing cable and/or spot detectors per zone; 6,000ft (1830m) total, or 700ft (213m) of chemical sensing cable per zone; 4,200ft (1280m) total Alarm: red; Cable Fault: yellow When used with conductive fluid sensing cable or chemical sensing cable, 20-3600sec, software adjustable in 10 second increments; ±2sec Dry Contact NO/NC
<b>Relay Type</b>	1 Form C Summary Alarm Relay, 6 Form C alarms, one per input/zone		
<b>Relay Outputs</b>	1A @ 24VDC, 0.5A resistive @ 120VAC configurable for supervised or non-supervised, latched or non-latched	<b>Operating Temperature</b>	32° to 122°F (0° to 50°C)
<b>Communication Ports</b>	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		
<b>Protocol</b>	Terminal Emulation (EIA-232): VT100 compatible Modbus (EIA-485): Slave; RTU Mode; Supports function codes 03, 04, 06, and 16	<b>Operating Humidity</b>	5% to 95% RH, non-condensing
<b>Audible Alarm</b>	85DBA @ 2ft (0.6m); re-sound (disabled, 8, 16 or 24 hours)	<b>Altitude Limits</b>	15,000ft (4572m) max.
<b>Input</b>	Leak Detection Cable: Compatible with SeaHawk sensing cable (not included) or SeaHawk spot detectors (SD-Z or SD-Z1 only; not included)	<b>Mounting Dimensions</b>	Wall mount enclosure 10.5"W x 8.0"H x 2.0"D (267 x 203 x 51 mm)
		<b>Weight</b>	4 lbs. (1.82kg)
		<b>Approvals</b>	CE, ETL listed, CSA, RoHS compliant
		<b>Warranty</b>	1 year

#### ORDERING INFORMATION

MODEL	DESCRIPTION
LDR A6	Six zone leak detection monitor

#### RELATED PRODUCTS

JC-25	Package of 25 cable-securing J clips
NSC-10	10' non-sensing cable
NSC-100	100' non-sensing cable
NSC-25	25' non-sensing cable
NSC-50	50' non-sensing cable
SC-C-10	10 ft (3.1m) Chemical sensing cable
SC-C-25	25 ft (7.7m) Chemical sensing cable
SC-C-50	50 ft (15.4m) Chemical sensing cable
SC-C-100	100 ft (30.8m) Chemical sensing cable
LC-KIT-REPLACEMENT	Replacement 15' (4.6m) leader cable and end-of-line connector
PSWA-DC-24	85-264VAC, 50/60 Hz to 24VDC power adapter
SC-10	10 ft. (3.1 m) sensing cable
SC-17	17 ft. (5.2 m) sensing cable
SC-25	25 ft. (7.7 m) sensing cable
SC-50	50 ft. (15.4 m) sensing cable
SC-100	100 ft. (30.8 m) sensing cable