

Monitor. Integrate. Alert. Peace of Mind.

Applications

The LD1500 is designed to integrate into a larger network or building management system, providing leak detection information directly to that larger system.

Key Features

- Monitor up to 1,500 feet of sensing cable and spot detectors
- Quickly returns to normal status after sensing cable is wiped dry
- Adjustable leak alarm sensitivity threshold
- Visible LED alarm notification
- The only RLE leak detection controller that does not have an audible alarm
- Multiple units can be used together to identify simultaneous leaks



Designed For Simple Integration Into Existing Systems

The LD1500 is the right fit for applications that do not require an audible alarm and would like their leak detection information to feed directly into a larger BMS.

What Sets RLE's LD1500 Apart?

- **Distance-read leak detection** pinpoints the precise location of the leak.
- **A supervised system**, the controller continuously monitors the cable for leaks, breaks, and disconnects.
- **Designed For Seamless Integration.** SNMP, BACnet, and Modbus outputs allow the LD1500 to deliver information directly to a LD5200, LD2100, or a larger BMS system.
- **Hosts its own web pages** so you can access alarms, interactive floor maps, and configuration details from any web browser with no additional fees or subscriptions.

LD1500 • Compatible with all RLE SeaHawk sensing cables and the SD-Z spot detector

Product Codes	
LD1500	Distance-read leak detection integration controller; web enabled. Includes LC-KIT for use with SC, SC-ZH, SD-Z. Requires PSWA-DC-24 or LD-ENC.
LD1500-M	Distance-read leak detection integration controller; web enabled. Includes LC-KIT-M for use with SC-C. Requires PSWA-DC-24 or LD-ENC.
PSWA-DC-24	Power adapter; isolated 100-240VAC to 24VDC, 50/60Hz; barrel connector; includes type A blade.
LD-ENC	Wall mount enclosure with backplate and power supply; 12.5in x 10in x 3.5in. Requires hardwired 110/120/230-240VAC.
LD-ENC-NP	Wall mount enclosure with backplate; 8in x 10in x 2 in.

Technical Specifications	
Power	Requires an isolated power supply. 24VDC Isolated @ 600mA max., 50/60Hz; requires RLE power supply PSWA-DC-24 (not included) 100/120/230-240VAC @ 500mA max., 50/60Hz power supply; requires RLE LD-ENC enclosure (not included)
Included Accessories	Leader cable and EOL terminator
Sensing Cable	Compatible with SeaHawk sensing cables and the SD-Z spot detector (not included)
Cable Input	Requires 15ft (4.57m) leader cable and EOL (included)
Maximum Length	Up to 1,500ft (457m) of sensing cable
Detection Accuracy	± 2ft (0.6m) +/- 0.5% of the cable length
Detection Repeatability	± 2ft (0.6m) +/- 0.25% of the cable length
Detection Response Time	5-995sec, software adjustable in 5sec increments; ±2sec
Communication Ports	
Ethernet	10/100BASE-T, RJ45 connector; 500VAC RMS isolation
EIA-232	DB9 female connector; 9600 baud; 8 data bits, no parity, 1 stop bit
EIA-485	1200, 2400, 9600, 19200, or 38400 baud (selectable); Parity: none, even or odd, 8 data bits, 1 stop bit
Protocols	
TCP/IP, HTML, TFTP	IPv4.0; webpages comply with Rehabilitation Act of 1973, sections 504 and 508, US Dept of Education (website accessibility for computer users with disabilities)
SNMP	V1: V2C MIB-2 compliant; NMS Manageable with Get, Set, Traps
Modbus (EIA-485)	Slave; RTU mode; Supports function codes 03, 04, 06 and 16 Master: RTU mode for integration with RLE's LD5200, LD2100 and LD1500 products; Johnson N2
Modbus TCP/IP UDP/IP	Modbus Slave; TCP/IP transmission protocol Modbus Master; TCP/IP transmission protocol for integration with RLE's LD2100 and LD1500 products
BACnet/IP	ASHRAE STD 135-2004 Annex J
BACnet MS/TP	EIA-485
BACnet Alarms	Automatically reports to a single destination
Terminal Emulation (EIA-232)	VT100 compatible
Alarm Notification	
Visible Alarm	Bi-color status LED
SNMP Traps (Ethernet)	2 Community Strings
Logging Capabilities	
Event Log	Last 10 events
Web Interface Login Security	1 password Read Only; 1 password Read/Write
Front Panel LED Indicators	Power/Status: 1 bi-color (Power On: green; Alarm / Cable Fault / Cable Contamination: red)
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 185°F (-20° to 85°C)
Dimensions	7"W x 3.62"H x 1.25"D (178mmW x 92mmH x 32mmD)
Weight	1.5 lbs. (680g)
Mounting	Wall mountable; Wall mount enclosure LD-ENC (optional)
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS compliant

