

LD1500

Distance-Read

LEAK DETECTION CONTROLLER

01

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

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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

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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.
- **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.
- **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.

04 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.



05 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.

06 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

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Technical Specifications

Relay Output	1 Form C summary relay, 1A @ 24VDC, 0.5A resistive @ 120VAC; configurable for latched or non-latched
Sensing Cable Cable Input Maximum Length Detection Accuracy Detection Repeatability Detection Response Time	Compatible with SeaHawk sensing cables and the SD-Z spot detector (not included) Requires 15ft (4.57m) leader cable and EOL (included) Up to 1,500ft (457m) of sensing cable ± 2ft (0.6m) +/- 0.5% of the cable length ± 2ft (0.6m) +/- 0.25% of the cable length 5-995 seconds, software adjustable in 5 second increments; ±2 seconds
Communication Ports EIA-485 EIA-232 RJ-45	1200, 2400, 9600, 19200, or 38400 baud (selectable); Parity: none, even or odd, 8 data bits, 1 stop bit DB9 female connector; 9600 baud; 8 data bits, no parity, 1 stop bit 10/100BASE-T Ethernet port; 500VAC RMS isolation
Protocols EIA-485 EIA-232 RJ-45	Modbus RTU, Server; BACnet MS/TP; N2 Terminal emulation, VT100 compatible Ethernet, TCP/IP; Modbus TCP/UDP, Server; SNMP V1, V2; NTP, SMTP, DNS; BACnet/IP
Alarm Notification Visible Alarm SNMP Traps (Ethernet)	Bi-color status LED 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 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 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