LD5200

Distance-Read Leak Detection Controller

Monitor. Integrate. Alert. Peace of Mind.

Applications

Our most advanced leak detection controller, the LD5200 is ideal for applications that require:

- Local audible and visible alarms with a fully featured touch screen display
- A single controller to display the status of multiple other controllers
- Comprehensive protocols for integration into another management system

Key Features

- Monitors up to 10,000 feet of sensing cable
- Quickly returns to normal status after sensing cable is wiped dry
- Adjustable leak alarm sensitivity
- Aggregates data from up to 127 RLE leak detection controllers to pinpoint multiple simultaneous leaks
- Segments a facility into 32 virtual zones with descriptive labels for quick leak location
- DeltaView technology displays leak location on up to 10 interactive web accessible maps
- Logs an extensive variety of events and alarms

Onboard Touchscreen, Robust Web Interface

Our most feature-rich leak detection controller, the LD5200 pairs patented leak detection with innovative, industry-leading notification and integration capabilities.

What Sets RLE's LD5200 Apart?

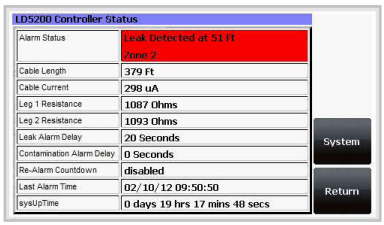
- **Distance-read leak detection** pinpoints the precise location of the leak.
- **A supervised system,** the controller continuously monitors the cable for leaks, breaks, and disconnects.
- **Robust alarm notification and leak location** via touch screen LCD, audible alarm, web interface, email, relay output, and protocol integration; notify users of leaks and faults in real time.
- **Unsurpassed integration options** via dry contacts, relay outputs, and SNMP, BACnet, N2, and Modbus protocols, allow the LD5200 to deliver information directly to 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.

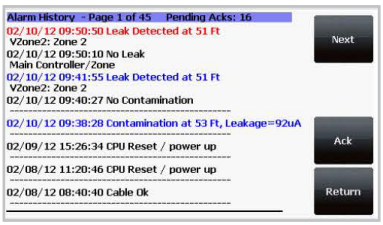
SeaHawk

LD5200 · Compatible with all RLE SeaHawk sensing cables and the SD-Z spot detector

Product Codes	
LD5200	Distance-read leak detection controller; touch screen, web enabled, LC-Kit (leader cable & EOL) included, requires hardwired 110/120/230-240VAC

A Touch Screen LCD Supports All Basic Device Functionality





Technical Specifications	
Power	Requires a dedicated circuit within close proximity, marked as the disconnecting device for the LD5200 100-240VAC @ 500mA max, 50/60Hz; dedicated circuit required
Included Accessories	Leader cable and EOL terminator
Inputs Sensing Cable One Cable Input Maximum Length Minimum Length Detection Accuracy Detection Repeatability Detection Response Time	 Compatible with all SeaHawk sensing cables (not included) Requires 15ft (4.57m) leader cable and EOL (included) Up to 10,000ft (3048m) of sensing cable 35ft (10.67m) ± 2ft (0.6m) +/- 0.5% of the cable length ± 2ft (0.6m) +/- 0.25% of the cable length 5-990 seconds, ±2 seconds; software adjustable in 5 second increments
Outputs Analog Relays Maintenance Relay	 4-20mA Loop Powered, 18-36VDC, RL = 500Ω max. 2 Form C Leak Relays, 2 Form C Cable Break Relays; 1A @ 24VDC, 0.5A resistive @ 120VAC; configurable for supervised or non-supervised, latched or non-latched 1A @ 24VDC, 0.5A resistive @ 120VAC; configurable for supervised or non-supervised, latched or non-latched
Communication Ports EIA-485 (Port 1, Port 2, Port 3) EIA-232 RJ-45	 9600, 19200, or 38400 baud (selectable); No parity, 8 data bits, 1 stop bit 9600 baud; No parity, 8 data bits, 1 stop bit 10/100BaseT Ethernet port (TCP/IP)
Protocols EIA-485 EIA-232 RJ-45	 Modbus RTU, Client & Server; BACnet MS/TP; N2 Terminal emulation, VT100 compatible Ethernet, TCP/IP; Modbus/TCP/UDP, Client & Server; SNMP V1, V2, V3, NTP, SMTP, DNS; BACnet/IP
Alarm Notification Audible Alarm Visible Alarm	 85dBA @ 2ft (0.6m); re-sound 0-999min. Alarm indicated on LCD touch screen and through web interface
Logging Capabilities Event Log Trend Log	 Logs are downloadable to .txt file Last 1,024 events Cable current level every day, for the last 365 days
Login Security LCD Touch Screen Web Interface	 No password required to view controller status and data. Administrator password limits access to configuration options. Username and password can be configured.
Front Panel Interface Display	 480 x 272 pixel color backlit LCD touch screen; 95.04mm x 53.85mm
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)
Enclosure Dimensions Weight Mounting	NEMA Type 1 12.5”W x 10”H x 3.25”D (318mmW x 254mmH x 83mmD) 8.2lbs. (3.7kg) Wall mount
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS compliant