

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

- Monitor up to 10,000 feet of sensing cable
- Quickly returns to normal status after sensing cable is wiped dry
- Adjustable leak alarm sensitivity
- Act as a master device for up to 127 RLE leak detection controllers to pinpoint multiple simultaneous leaks
- Segment 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
- Log 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?

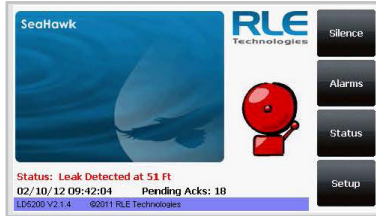
- **Distance-read leak detection** pinpoints the precise location of the leak.
- **A supervised system**, the controller continuously monitors the cable for leaks, breaks, and disconnects.
- **Robust alarm notification and leak location** via touch screen LCD, audible alarm, web interface, email, relay 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.

LD5200 • Compatible with all 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



LD5200 Controller Status	
Alarm Status	Leak Detected at 51 Ft Zone: 2
Cable Length	379 Ft
Cable Current	298 uA
Leg 1 Resistance	1087 Ohms
Leg 2 Resistance	1093 Ohms
Leak Alarm Delay	20 Seconds
Contamination Alarm Delay	0 Seconds
Re-Alarm Countdown	disabled
Leak Alarm Time	02/10/12 09:50:50
ByeByeTime	0 days 19 hrs 17 mins 40 secs

Alarm History - Page 1 of 45 Pending Acks: 16	
02/10/12 09:50:50	Leak Detected at 51 Ft
VZone: Zone 2	
Main Controller/Zone	
02/10/12 09:50:10	No Leak
VZone: Zone 2	
02/10/12 09:41:55	Leak Detected at 51 Ft
VZone: Zone 2	
02/10/12 09:40:27 No Contamination	
02/10/12 09:38:20	Contamination at 53 Ft, Leakage=92uA
02/09/12 15:26:34 CPU Reset / power up	
02/08/12 11:20:46 CPU Reset / power up	
02/08/12 08:40:40 Cable Ok	

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	Compatible with all SeaHawk sensing cables (not included) Requires 15ft (4.57m) leader cable and EOL (included)
Sensing Cable	Up to 10,000ft (3048m) of sensing cable
One Cable Input	35ft (10.67m)
Maximum Length	± 2ft (0.6m) +/- 0.5% of the cable length
Minimum Length	± 2ft (0.6m) +/- 0.25% of the cable length
Detection Accuracy	5-990 seconds, ±2 seconds; software adjustable in 5 second increments
Detection Repeatability	
Detection Response Time	
Outputs	4-20mA Loop Powered, 18-36VDC, RL = 500Ω max.
Analog	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
Relays	1A @ 24VDC, 0.5A resistive @ 120VAC; configurable for supervised or non-supervised, latched or non-latched
Maintenance Relay	
Communication Ports	9600, 19200, or 38400 baud (selectable); No parity, 8 data bits, 1 stop bit
EIA-485 (Port 1, Port 2, Port 3)	9600 baud; No parity, 8 data bits, 1 stop bit
EIA-232	10/100BaseT Ethernet port (TCP/IP)
RJ-45	
Protocols	Modbus RTU, Master & Slave; BACnet MS/TP; N2, Slave
EIA-485	Terminal emulation, VT100 compatible
EIA-232	Ethernet, TCP/IP; Modbus/TCP/UDP, Master & Slave; SNMP V1, V2, V3, NTP, SMTP, DNS; BACnet/IP
RJ-45	
Alarm Notification	85dBA @ 2ft (0.6m); re-sound 0-999min.
Audible Alarm	Alarm indicated on LCD touch screen and through web interface
Visible Alarm	
Logging Capabilities	Logs are downloadable to .txt file
Event Log	Last 1,024 events
Trend Log	Cable current level every day, for the last 365 days
Login Security	No password required to view controller status and data. Administrator password limits access to configuration options.
LCD Touch Screen	Username and password can be configured.
Web Interface	
Front Panel Interface	480 x 272 pixel color backlit LCD touch screen; 95.04mm x 53.85mm
Display	
Operating Environment	32° to 122°F (0° to 50°C)
Temperature	5% to 95% RH, non-condensing
Humidity	15,000ft (4,572m) max.
Altitude	
Storage Environment	-4° to 158°F (-20° to 70°C)
Enclosure	NEMA Type 1
Dimensions	12.5"W x 10"H x 3.25"D (318mmW x 254mmH x 83mmD)
Weight	8.2lbs. (3.7kg)
Mounting	Wall mount
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS compliant

