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

Product Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD5200</td>
<td>Distance-read leak detection controller; touch screen, web enabled, LC-Kit (leader cable &amp; EOL) included, requires hardwired 110/120/230-240VAC</td>
</tr>
</tbody>
</table>

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 terminator
  - 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
  - 4-20mA Loop Powered, 18-36VDC, RL = 5002 max.
- Relays
  - 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
  - 85dBA @ 2ft (0.6m); re-sound 0-999min.
  - Alarm indicated on LCD touch screen and through web interface
- Visible Alarm

**Logging Capabilities**
- Event Log
  - Logs are downloadable to .txt file
  - Last 1,024 events
  - Cable current level every day, for the last 365 days
- Trend Log

**Login Security**
- 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
  - 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 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