



# SeaHawk LD5200

**P**rotecting a facility from damaging leaks is an important part of any disaster mitigation plan. RLE Technologies' LD5200 pairs superior leak detection technology with an easy-to-use interface. This integration helps users to quickly and efficiently establish a distance-read leak detection system that reliably protects valuable assets.

RLE Technologies designed the LD5200 with the end-user in mind. All basic device functionality is available from the LCD touch screen — configure, monitor, locate, and acknowledge leaks from the front panel of the LD5200. This allows the LD5200 to be used as a stand-alone device without sacrificing any leak detection or alarm notification functionality.

Once the LD5200 is connected to a network, a robust web interface expands the capabilities of the unit. Use the web interface's interactive facility mapping tool to create an interactive overlay that displays on top of an uploaded floor map image. When a leak is detected, the LD5200 displays its location on the map, making leak location quick and easy.

While the LD5200 can function as a stand-alone device, it also has powerful integration capabilities. Multiple communication protocols allow the LD5200 to act as a master for a wide variety of related slave devices. The highly scalable LD5200 can provide leak detection and notification for an entire building through one IP address. It can also seamlessly integrate into a BMS or NMS. The LD5200 is ideal for applications that require a stand-alone system that can also be integrated into a larger centralized monitoring system.

## Features

- Monitor up to 10,000 feet of conductive fluid sensing cable or 7,000 feet of chemical sensing cable
- Act as a master device for up to 127 RLE leak detection controllers
- Configure up to 32 virtual zones
- Send direct email alarm notification
- Access the device remotely via the robust web interface
- Create up to 10 interactive leak detection reference maps
- Log an extensive variety of events and alarms

## Benefits

- Stand-alone or integrated leak detection and notification
- Pinpoint leaks quickly and accurately
- Manage an entire building's leak detection system through one IP address
- Annunciate multiple, simultaneous leaks when other RLE distance-read controllers are integrated into the system
- Access the device remotely - any time, any place
- Detailed alarm history with time and date stamp assists in troubleshooting



**A robust web interface supports remote access - any time, any place.**

# Leak Detection

[www.rletech.com](http://www.rletech.com)

A touch screen LCD supports all basic device functionality.



## LD5200 Specifications

<b>Power</b>	100-240VAC @ 500mA max, 50/60Hz
<b>Included Accessories</b>	Leader cable and EOL terminator
<b>Inputs</b>	<p>Sensing Cable: Compatible with all SeaHawk sensing cables (not included)</p> <p>One Cable Input: Requires 15ft (4.57m) leader cable and EOL (included)</p> <p>Maximum Length: Up to 10,000ft (3048m) of conductive fluid sensing cable or 7,000ft (2134m) of chemical sensing cable</p> <p>Minimum Length: 35ft (10.67m)</p> <p>Detection Accuracy: ± 2ft (0.6m) +/- 0.5% of the cable length</p> <p>Detection Repeatability: ± 2ft (0.6m) +/- 0.25% of the cable length</p> <p>Detection Response Time: 5-990 seconds, ± 2 seconds; software adjustable in 5 second increments</p>
<b>Outputs</b>	<p>Analog: 4-20mA Loop Powered, 18-36VDC, RL = 500Ω max.</p> <p>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</p> <p>Maintenance Relay: 1A @ 24VDC, 0.5A resistive @ 120VAC; configurable for supervised or non-supervised, latched or non-latched</p>
<b>Communication Ports</b>	<p>EIA-485 (Port 1, Port 2, Port 3): 9600, 19200, or 38400 baud (selectable); No parity, 8 data bits, 1 stop bit</p> <p>EIA-232: 9600 baud; No parity, 8 data bits, 1 stop bit</p> <p>RJ-45: 10/100BaseT Ethernet port (TCP/IP)</p>
<b>Protocols</b>	<p>EIA-485: Modbus RTU, Master &amp; Slave; BACnet MS/TP; N2, Slave</p> <p>EIA-232: Terminal emulation, VT100 compatible</p> <p>RJ-45: Ethernet, TCP/IP; Modbus/TCP/UDP, Master &amp; Slave; SNMP V1, V2, V3, NTP, SMTP, DNS; BACnet/IP</p>
<b>Alarm Notification</b>	<p>Audible Alarm: 85dB @ 2ft (0.6m); re-sound 0-999min.</p> <p>Visible Alarm: Alarm indicated on LCD touch screen and through web interface</p>
<b>Logging Capabilities</b>	<p>Event Log: Last 1,024 events</p> <p>Trend Log: Cable current level every day, for the last 365 days</p>
<b>Login Security</b>	<p>LCD Touch Screen: No password required to view controller status and data. Administrator password limits access to configuration options.</p> <p>Web Interface: Username and password can be configured.</p>
<b>Front Panel Interface</b>	<p>Display: 480 x 272 pixel color backlit LCD touch screen; 95.04mm x 53.85mm</p>
<b>Operating Environment</b>	<p>Temperature: 32° to 122° F (0° to 50° C)</p> <p>Humidity: 5% to 95% RH, non-condensing</p> <p>Altitude: 15,000ft (4,572m) max.</p>
<b>Storage Environment</b>	-4° to 158° F (-20° to 70° C)
<b>Dimensions</b>	12.5"W x 10"H x 3.25"D (318mmW x 254mmH x 83mmD)
<b>Weight</b>	8.2lbs. (3.7kg)
<b>Mounting</b>	Type 1 wall mount enclosure
<b>Certifications</b>	CE; ETL listed; conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS compliant

