



SeaHawk LD310

The SeaHawk LD310 single zone leak detection controller monitors up to 300 feet (91.4m) of sensing cable. It is compatible with all of RLE's leak detection sensing cables, as well as SD-Z and SD-Z1 spot detectors.

The LD310 is easy to install and configure, and works well either as a stand-alone controller or when integrated into existing monitoring systems via relay outputs.

Equipped with both an audible alarm and a visible LED alarm indicator as well as relay outputs, the LD310 is prepared to let you know when you have a leak. A push-button switch allows users to silence the audible alarm and to test and reset the system. Jumpers allow users to adjust the sensitivity of the leak detection circuit and to disable the audible alarm.

The LD310 is a supervised system. This means if the sensing cable is cut, has a poor connection, or loses continuity, the module will indicate a cable fault alert by flashing the LED, sounding an alarm, and activating a fault relay. With a supervised system, you can be sure your leak detection cable is working effectively to protect your critical environment.

Ideal for smaller areas and facilities, the LD310 is most commonly installed in facilities with pumps, chillers, boilers, water control valves, and around air conditioner condensation pans.

Note: A 5VDC power supply is required to power the LD310. RLE recommends and stocks a 5VDC power supply that is prepared with stripped ends that wire directly into the LD310. This supply is available for purchase separately. Reference RLE part number WA-DC-5-ST to order this power supply.

Features

- LED and audible alarm indicators
- Adjustable leak alarm sensitivity thresholds
- Configurable for supervised or non-supervised operation
- Relay outputs enable integration into other monitoring systems
- Lightweight, compact design
- Quick return to normal

Benefits

- Virtually eliminates false & nuisance alarms
- Distinguishes normal conditions from alarm conditions
- Ensures that critical alarms are not missed
- Easy, fast to install
- Quality leak detection at a low cost

Leak Detection

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LD310 Specifications

Power	Isolated 5VDC ($\pm 10\%$) @ 100mA max.; requires power supply WA-DC-5-ST (available from RLE, sold separately)
Included Accessories	Leader cable and EOL terminator
Inputs	
Sensing Cable	Compatible with all SeaHawk sensing cables
One Cable Input	Requires 15ft (4.57m) leader cable and EOL (included)
Maximum Length	300ft (91m) of conductive fluid sensing cable or 210ft (64m) of chemical sensing cable
Detection Response Time	<20sec; 10sec typical
Outputs	
Relay	2 Form C Alarm Relays (leak and fault); 1A @ 24VDC, 0.5A resistive @ 120VAC; configurable as supervised or non-supervised
Alarm Notification	
Audible Alarm	85dB @ 10cm (min)
Visible Alarm	Bi-color LED
Front Panel Interface	
Audible Alarm	Indicates cable break or leak detected
LED Indicator	
Normal Operation	Green
Cable Fault	Flashing Orange
Leak Detected	Flashing Red
Push Button Switch	
Push Once	Silence audible alarm
Push and Hold for 5 Seconds	Initiates system test, resets system, clears all active alarms
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)
Dimensions	2.7"W x 4.4"H x 1.38"D (69mmW x 112mmH x 35mmD)
Weight	3.0 oz. (85.0g)
Mounting	Surface mount
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; RoHS compliant

