RLE Technologies

SeaHawk
LD1000

T he SeaHawk LD1000 is a single zone leak detection controller that monitors up to 1,000 feet (305m) of sensing cable. It is compatible with all SeaHawk sensing cables and SeaHawk SD-Z and SD-Z1 spot detectors, and reports any fluid leak detected by these connected cables and spot detectors.

As a stand-alone controller, the LD1000 features an audible alarm and three LED indicators. The LD1000 is a supervised system, which means it continuously monitors the connected sensing cables and spot detectors, and generates an alarm when a fault - such as a cut cable or poor connection - is detected.

The LD1000 can also integrate into existing monitoring systems. It is ideal for small areas, facilities where the sensing cable or spot detector is exposed or leaks can easily be located, and areas where the audible and visible alarms can easily be noticed.
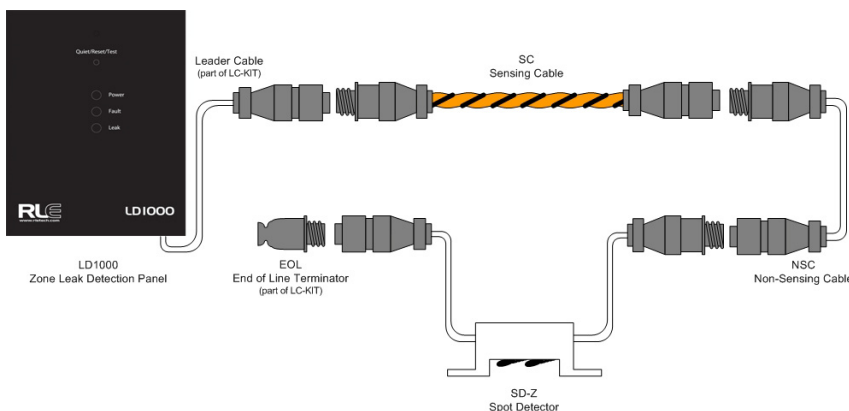
The LD1000 offers a reliable leak detection solution that mitigates potential water damage, costly business outages, and downtime.

Features

- Monitors up to 1,000 feet (305m) of sensing cable
- Three LED indicators: Power, Leak, Fault
- Adjustable sensitivity settings
- Selectable audible alarm annunciation
- Can be configured for supervised or non-supervised operation
- Wall mount enclosure
- Form C output relays for leak and fault alarms

Benefits

- Great for smaller areas
- Virtually eliminates false alarms
- Minimizes nuisance alarms
- Flexible alarm notification
- Simplified installation and setup

Basic installation of LD1000, leader cable, sensing cable, and EOL terminator

Leak Detection

LD1000 Specifications

Power	Requires an isolated power supply for DC operation. 24VDC (±10%) Isolated @ 300mA max.; requires RLE power supply PSWA-DC-24-ST (not included) 24VAC (±10%) @ 300mA max.; requires RLE power supply WA-AC-24-ST (not included)
Included Accessories	Leader cable and EOL terminator
Inputs	
Water Leak Detection Cable	Compatible with SeaHawk Sensing Cable (not included)
Cable Input	Requires SeaHawk LC-Kit: 15ft (4.57m) leader cable and EOL (LC-Kit included)
Maximum Length	Up to 1,000ft (305m) of conductive fluid sensing cable, or 700 feet (213m) of chemical sensing cable
Detection Response Time	Configurable for 10sec or 2min, ±10%, when used with conductive fluid or chemical sensing cables
Outputs	
Relay	1 Form C Leak Relay, 1 Form C Cable Fault Relay, configurable to 2 Summary Alarm Relays; 1A @ 24VDC, 0.5A resistive @ 120VAC; configurable for supervised or non-supervised, latched or non-latched
Alarm Notification	
Audible Alarm	85DBA @ 2ft (0.6m); Selectable
Front Panel Interface	
LED Indicators	Power: 1 green (on/off); Cable Fault: 1 amber; Leak Detected: 1 red
Push Buttons	1: Quiet, Reset, Test
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	4.125"W x 5.5"H x 2.25"D (105mmW x 140mmH x 58mmD)
Weight	27 oz (765g)
Mounting	Wall mount
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; RoHS compliant

v1.2
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