




SeaHawk Spot Detectors

RLE offers four different models of SeaHawk Spot Detectors (“SD Series”) that can integrate with various RLE controllers or other equipment and alarm monitoring systems. Spot detectors are ideal for small spaces, and are the most economical way to detect fluids in confined areas, such as condensation drip pans.

Product	Integration Capability	Leader Cable Length	Power
SD	Falcon FMS & RA1x2	14 feet (4.27m)	N/A (powered by panel)
SD-Z	Any SeaHawk zone or distance-read controller	Two, 10 inch (0.25m) w/ male & female connectors	N/A (powered by panel)
SD-Z1	F200, LD310, LD1000 & LDRA6 controllers	14 feet (4.27m)	N/A (powered by panel)
SD-RO1	Any product that accepts a digital dry contact input	14 feet (4.27m)	Isolated 24VAC/VDC Supply

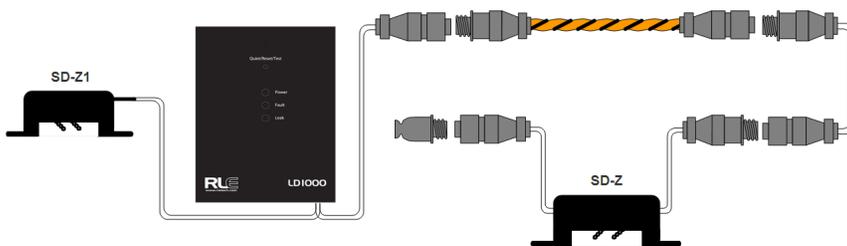
Features

- No exposed metal sensing posts
- Potted electronics
- Adjustable probes
- Can be screwed or ram set to floor or baseboard
- Small footprint/enclosure

Benefits

- Nothing to rust or corrode
- Ensures functionality when submerged in water
- Easily adjusted to desired height
- Simple installation
- Ideal for tight areas

The SD-Z and SD-Z1 each simulate 50 ft. (15.24m) of SeaHawk leak detection cable. The SD-Z1 is for use with zone controllers only, and only one of these spot detectors should be used *per zone*.



Spot detector example: use the SD-Z and SD-Z1 in conjunction with an RLE SeaHawk leak detection controller.

Leak Detection

Spot Detectors Specifications

Power	
SD-Z, SD-Z1	SD-RO1 requires an isolated power supply, as does the SD if it is powered by a power supply and not the FMS or RA1x2. N/A (powered by controller)
SD	The SD is usually powered by the RLE FMS or RA1x2. In the event that it is not used in conjunction with one of these products: 24VDC ($\pm 10\%$) Isolated @ 0.1A max.; requires RLE power supply PSWA-DC-24-ST (not included) <i>NOTE: If a DC power supply is used the SD will be a latching device - once an alarm is detected, the spot detector will remain in an alarm state until power is cycled to the SD.</i> 24VAC ($\pm 10\%$) Isolated @ 0.1A max.; requires RLE power supply WA-AC-24-ST (not included)
SD-RO1	24VDC ($\pm 10\%$) Isolated @ 0.1A max.; requires RLE power supply PSWA-DC-24-ST (not included) <i>NOTE: If a DC power supply is used the SD-RO1 will be a latching device - once an alarm is detected, the spot detector will remain in an alarm state until power is cycled to the SD-RO1.</i> 24VAC ($\pm 10\%$) Isolated @ 0.1A max.; requires RLE power supply WA-AC-24-ST (not included)
Outputs	
Solid State Output Only available on SD	12-36VAC @ 0.01A min., 0.1A max.; 18-36VDC @ 0.01A min., 0.1A max.
Relay Output Only available on SD-RO1	Dry Contact, Form C; 1A @ 24VDC, 0.5A resistive @ 120VAC
Leader Cable (Non-sensing)	
Length	
SD, SD-RO1, SD-Z1	14 feet (4.27m)
SD-Z	10 inches (0.25m); male & female connector
Connector	
SD, SD-RO1, SD-Z1	N/A - spot detector leader cable wires directly into controller
SD-Z	1 male, 1 female; 4 pin, 0.96in (24.4mm) diameter; connects to SeaHawk sensing cable (SC) cable or non-sensing cable (NSC)
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	1.55"W x 2.0"H x 1.0"D (39.4mmW x 50.8mmH x 25.4mmD)
Sensor Probe Height	Distance from the sensor probe to floor is adjustable, from 0" to 0.19" (0mm - 4.8mm) Spacers can be added under the spot detector if additional height is required.
Weight	
SD	4 oz. (105g)
SD-Z	3 oz. (93g)
SD-Z1	5 oz. (136g)
SD-RO1	7 oz. (192g)
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; RoHS compliant

