



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)	24VAC/VDC Isolated

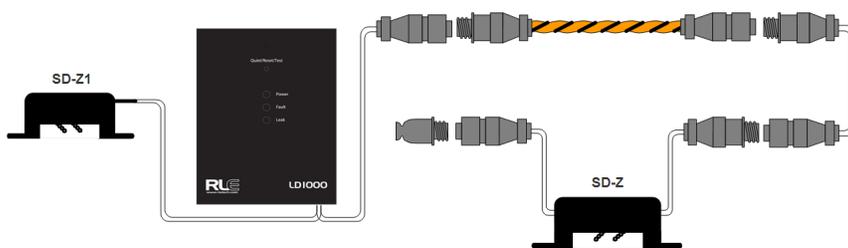
Features

- 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, SD-Z, SD-Z1 SD-RO1	N/A (powered by controller) 24VAC/VDC \pm 10%, 0.1A max.; requires isolated power supply: PSWA-DC-24 or WA-AC-24-ST (not included)
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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 SD-Z	14 feet (4.27m) 10 inches (0.25m); male & female connector
Connector SD, SD-RO1, SD-Z1 SD-Z	N/A - spot detector leader cable wires directly into controller 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)

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

