



RLE Technologies

SPOT WATER LEAK DETECTION

SeaHawk SD Series

SeaHawk Spot Detectors use polymer-coated sensing probes to detect conductive fluids at a single point. Spot detectors can be the most economical way to detect fluids in small, confined areas. These units are commonly used in small rooms, air conditioning drip pans, and around floor drains. The spot detector's threaded body allows the height of its sensing probes to be easily adjusted. Simply by loosening the lock nut and turning the threaded body, the unit can be set to the desired height to meet your specific needs.



RLE offers three different models of SeaHawk Spot Detectors which can integrate with various RLE control panels, and/or other equipment or Building Management Systems (BMS):

- **SD: Spot Detector** – Designed to be used with RLE's Remote Alarm Status Panels (RASPs) and/or Falcon Monitoring Systems. The SD model operates with either 12-36VAC or 18-36VDC power. A 14' (4.26m) leader cable is included.
- **SDZ: Zone Spot Detector** – Designed especially for use with the SeaHawk LDZ Series, which can be used in combination with SeaHawk Water Leak Detection Cable to integrate both zone and spot detection into one panel. The SDZ is powered by the LDZ panel to which it is connected. This model comes with one male and one female end connector; each on a 12" (0.3m) lead wire.
- **SD-RO1: Spot Detector with Relay Output** – Made to be used with any system that accepts dry contacts. The SD-RO1 model operates with 24VAC/VDC $\pm 10\%$. If AC voltage is used, the spot detector will automatically reset when conductive fluid is no longer present under the sensing probes. If DC voltage is used, the SD-RO1 can be reset by simply removing and then reapplying power to the unit. A 14' (4.26m), 6-conductor leader cable is included.



SD Series Features

- Dry Contact Output, Form C – *model SD-RO1*
- No exposed metal sensing posts
- Simple installation and operation
- Electronic design
- No maintenance
- Screw or ram set to floor

SD Series Technical Specifications

	SD	SDZ	SD-RO1
Power Outputs	N/A	N/A	24VAC/VDC $\pm$ 10%, 0.1A max.
Solid State	12-36VAC @ 0.01A min., 0.1A max.; 18-36VDC @ 0.01A min., 0.1A max.	N/A	N/A
Relay	N/A	N/A	Dry Contact, Form C; 1A @ 24VDC, 0.5A resistive @ 120VAC
Leader Cable (Non-Sensing)			
Length	14' (4.27m)	12" (0.30m)	14' (4.27m)
Connector	N/A	1 male, 1 female; 4 pin, 0.96" (24.38mm) diameter; connects to SeaHawk Water Leak Detection Cable or SeaHawk Non-Sensing Cable	N/A
Operating Environment			
Temperature	32° to 122°F (0° to 50°C)	32° to 122°F (0° to 50°C)	32° to 122°F (0° to 50°C)
Humidity	5% to 95% RH, non-condensing	5% to 95% RH, non-condensing	5% to 95% RH, non-condensing
Altitude	10,000' (3,048m) max.	10,000' (3,048m) max.	10,000' (3,048m) max.
Storage Environment	-4° to 158°F (-20° to 70°C)	-4° to 158°F (-20° to 70°C)	-4° to 158°F (-20° to 70°C)
Dimensions	2.0"W x 2.75"H x 3.5"D (51mmW x 70mmH x 88mmD)	2.0"W x 2.75"H x 3.5"D (51mmW x 70mmH x 88mmD)	2.0"W x 2.75"H x 3.5"D (51mmW x 70mmH x 88mmD)
Weight	6 oz. (170g)	10 oz. (283g)	8 oz. (227g)

Note:

SeaHawk Spot Detectors are ideal for use in confined or contained areas. Historically, spot detectors were the only reliable solution available for fluid detection. However, they may not always be the best solution to provide early notification and protection from water damage and/or costly business outages and downtime. Imperfections in floor contour and the placement of detectors in open areas can limit their effectiveness. RLE strongly encourages utilizing SeaHawk Water Leak Detection Cable in open areas to help insure early detection of conductive fluids - before damage or downtime occurs.

As with all RLE Technologies' products, customer support and installation assistance is available. Just call RLE at 1-800-518-1519. We're glad to be of service.



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Specifications are subject to change without notice.

Warranty

Products manufactured by RLE Technologies are warranted to be free from defects in materials and workmanship for one year after the date of shipment. Such warranty is limited to parts and labor to repair or replace such RLE products that are found to be defective. To ensure warranty coverage, all installation and other instructions must be followed properly. All installation and setup work must be performed by qualified personnel who are knowledgeable of the equipment and aware of appropriate safety, wiring, and other applicable practices.