

Overview

Spot Leak Detectors recognize the presence of conductive fluids at a single point and are ideal for drip pans, floor drains, and contained spaces. Spot Leak Detectors connect quickly to any controller that accepts a dry contact. The detectors can be screwed, or ram set to a floor or baseboard. Potted electronics ensure nothing within the sensor will rust or corrode, and the unit will continue to function when submerged in water. Other key features include no exposed metal sensing posts, and small footprint/enclosure. The sensor probe height can be adjusted from 0" to 0.19"(0mm – 4.8mm). Spacers can be added under the spot detector's mounting holes if additional height is required to prevent false alarms.

The Spot Leak Detector is covered by a Two (2) Year Limited Warranty.



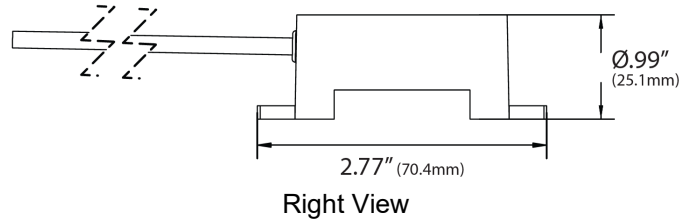
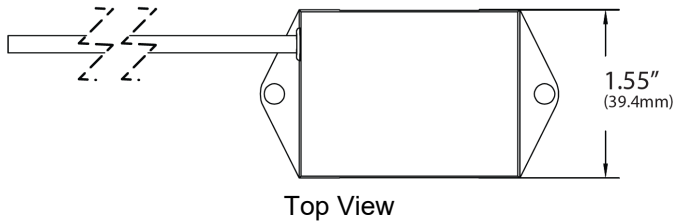
Part Numbers

N2-A/SLD

Product Specifications

| | |
|---|---|
| | 24 VAC or 24VDC (+/- 10%) |
| Supply Voltage: | NOTE If a DC power supply is used, the A/SLD 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 A/SLD) |
| Supply Current: | 0.1 Amp Maximum |
| Relay Output Type: | Dry Contact, Form C |
| Relay Contact Rating: | 1A @ 24VDC, 0.5A resistive @ 120VAC |
| Wire Lead Length (Non-sensing): | 14' (4.27m) |
| Operating Temperature Range: | 32 to 122F (0 to 50C) |
| Operating Relative Humidity Range: | 5% to 95% non-condensing |
| Operating Altitude: | 15,000ft (4,752m) Maximum |
| Storage Temperature: | -4 to 158F (-20 to 70C) |
| Product Dimensions(L x W x D): | 2.0"(50.8mm) x 1.55"(39.4mm) x 1.0"(25.4mm) |
| Product Weight: | 0.438 lbs (0.199 kg) |
| Agency Approvals: | CE; ETL listed: conforms to UL 61010-1, EN 61010-1; RoHS compliant |

Product Drawings

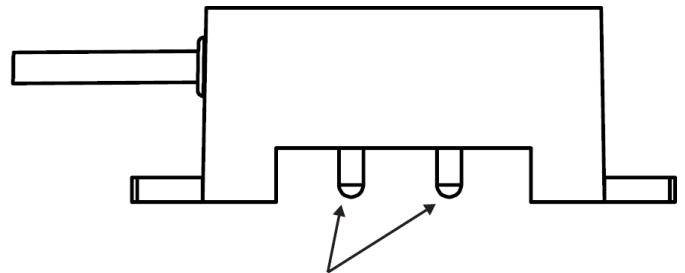


Mounting Instructions

Follow these instructions to mount your spot detector to the floor.

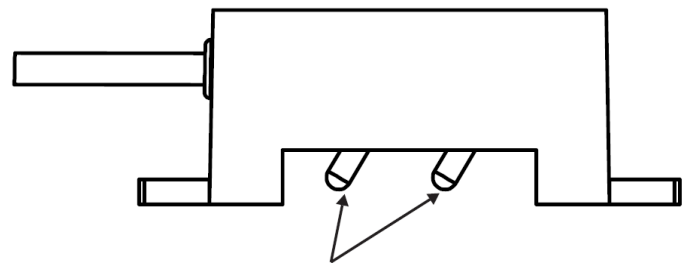
1. Determine the spot detector's location.
2. The angle of the sense probes can be adjusted to change the sensitivity of the SLD. The closer the probes are to the floor, the smaller the quantity of water required to trigger the sensor. Adjust the sense probes to the desired height. Be sure the probes don't touch each other – see **Figure 1**.
3. Ram set 6/32 threaded studs in the floor on 2.5" centers or apply mastic.
4. Place the spot detector over the studs or mastic and secure.

A small quantity of water causes these sensors to alarm.



SENSE PROBES

This sensor requires a larger quantity of water to alarm,



SENSE PROBES

Figure 1: Sensor Probes

Wiring Instructions

The N2-A/SLD is a single zone spot detector with one generic relay output. It can be used in conjunction with any product that accepts a digital dry contact input.

The N2-A/SLD requires an isolated power supply.

If the N2-A/SLD is operating on 24VAC power, the circuit resets and opens automatically once a detected leak is no longer present. If the N2-A/SLD is operating on 24VDC power, the circuit must be manually reset after a leak is detected and cleared. To do this, break power to the device to reset the circuit. Even if the water leak is no longer present, power must be broken to manually reset the DC-powered N2-A/SLD. The easiest way to accomplish this manual reset is to install a reset switch on either the positive or negative wire of the power supply that feeds into the N2-A/SLD.

To connect the A/SLD to a controller:

1. Connect the white (N/O) and green (Common) or blue (N/C) leads to the alarm device.
2. Connect the black (-) and red (+) leads to the power source.

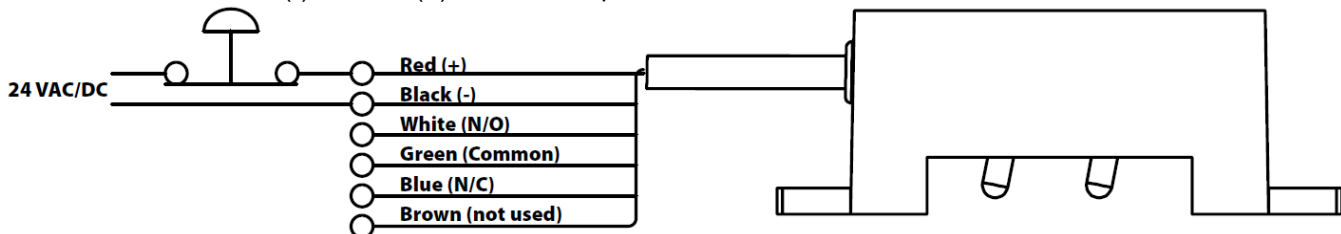





Figure 2: Controller Connection

NOTE A manual switch is recommended for VDC applications.

Appendix – Symbols Key

| | |
|---|---|
|  Warning | Potential for death, serious injury, or permanent damage to a system. |
|  Caution | Potential for injury, damage to a system, or system failure. |
|  Tip | Useful information not related to injury or system damage. |

W.E.E.E. DIRECTIVE

At the end of their useful life the packaging and product should be disposed of via a suitable recycling center. Do not dispose of with household waste. Do not burn.