



SPOT LEAK DETECTOR

Installation & Operation Instructions

Phone: 1-888-967-5224

Website: workaci.com

GENERAL INFORMATION

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.

WIRING INSTRUCTIONS

The 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 A/SLD requires an isolated power supply, either ACI part number A/PS24-24V-S DC or LEI20 AC Power Supply. These power supplies are sold separately and are available from ACI.

If the A/SLD is operating on 24VAC power, the circuit will reset and open automatically once a detected leak is no longer present. If the A/SLD is operating on 24VDC power, the circuit must be manually reset after a leak is detected and cleared. To do this, you must break power to the device, which will reset the circuit. Even if the water leak is no longer present, power must be broken to manually reset the DC-powered 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 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

**Manual switch
recommend for
VDC Applications**

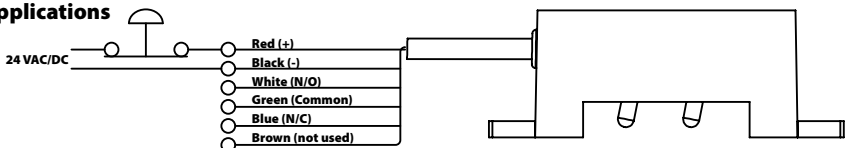
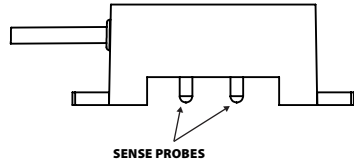
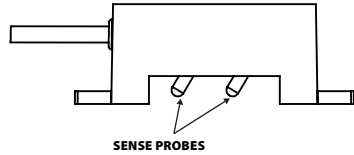


FIGURE 1: SENSOR PROBES



This sensor will alarm with a small quantity of water present.



This sensor requires a larger amount of water to be present before it alarms.



PRODUCT SPECIFICATIONS

Supply Voltage:	24 VAC or 24VDC (+/- 10%) 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

