



Spot Leak Detectors

SD, SD-R01, SD-Z & MX1



SPECIFICATIONS (SD, SD-R01, SD-Z)



| | |
|---------------------------------------|---|
| Input Power SD-R01 Only | 24VAC/VDC ± 10%; 0.1A max. (AC: 50/60Hz) |
| Storage Environment | -20° to 70°C (-4° to 158°F) |
| OUTPUTS | |
| Solid-state SD Only | 12-36VAC@0.01A min., 0.1A max., 50/60Hz; 18-36VDC@0.01A min., 0.1A max. |
| Relay SD-R01 Only | Dry Contact, Form C; 1A@24VDC, 0.5A @120VAC resistive |
| LEADER CABLE (NSC) | |
| Length SD SD-R01 SD-Z | 14 ft. (4.2 m) 14 ft. (4.2 m) 10 ft. (0.3 m) (2 cables included) |
| Connector SD-Z Only | 1 male, 1 female; 4 pin, 0.96" (24.38 mm) diameter; connects to SC or NSC Cable |
| OPERATING ENVIRONMENT | |
| Temperature | 0° to 50°C (32° to 122°F) |
| Humidity | 5% to 95% RH non-condensing |
| Altitude | 10,000 ft. (3,048 m) max. |

SPECIFICATIONS (MX1)

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|---|--|
| Input Power | 12-30VDC/24VAC, 50/60Hz; 10-year lithium battery model available |
| Max Current Draw, Voltage Units Only | 10mA |
| Output | N.C. solid-state, (opens on alarm) |
| Output Rating | 30VAC/DC@0.1A max., not polarity sensitive |
| Sensing Electrodes | Gold plated |
| OPERATING ENVIRONMENT | |
| Temperature | -20° to 80°C (-4° to 176°F) |
| Humidity | 0 to 100% RH |

| MODEL | DESCRIPTION |
|---|--|
| SD Spot Detector | <ul style="list-style-type: none"> Operates on either 12-36VAC or 18-36VDC power Includes a 14 ft (4.2 m) leader cable |
| SD-R01 Spot Detector with Relay Output | <ul style="list-style-type: none"> Works with any system that accepts dry contacts Operates on 24VAC/VDC±10% Automatically resets when conductive fluid is no longer present (AC power only; if DC power is used, device must be reset by disconnecting power momentarily) Includes a 14 ft (4.2 m) leader cable |
| SD-Z Spot Detector | <ul style="list-style-type: none"> Designed for use with all detection panels, with SC sensing cable to integrate both zone and spot detection into one panel Powered by the LD310, LD1000, LD5200, LDRA6, or LD2000 When used with a distance read panel (LD2000 or LD5200), the location of the leak will be identified (simulates 50 feet) Includes one male and one female end connector, each on a 1 ft (30 cm) lead wire |
| MX1 Spot Detector | <ul style="list-style-type: none"> Battery-operated or 12-30VDC/24VAC powered |

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FEATURES

- Simple installation – screw, or ram-set to floor (SD, SD-R01, SD-Z)
- Simple operation...no maintenance
- Solid-state design...no moving parts to fail
- SD, SD-R01, SD-Z models have polymer-coated sensing probes...no exposed metal that will rust
- All models are fully potted for water resistance...maximum durability

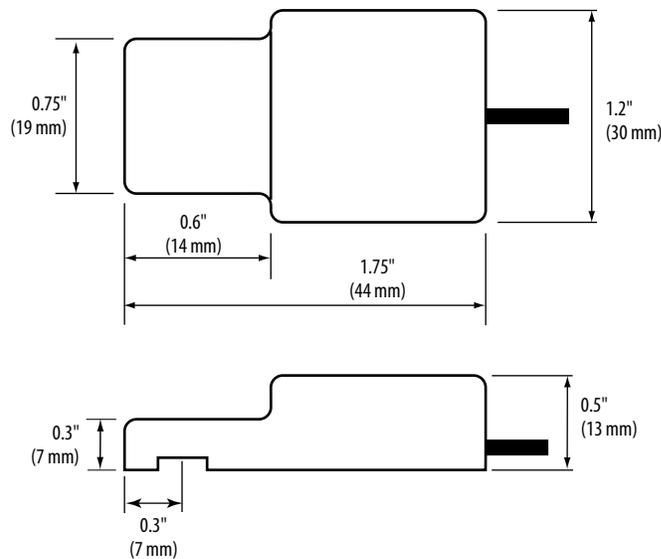
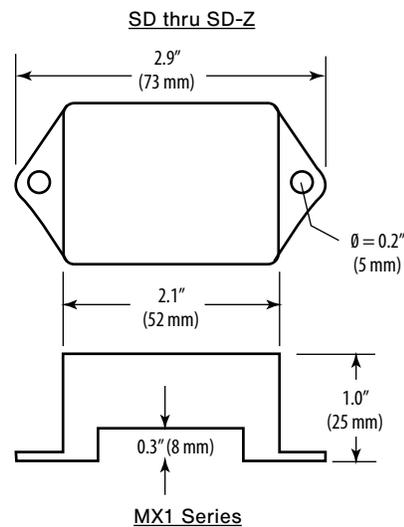
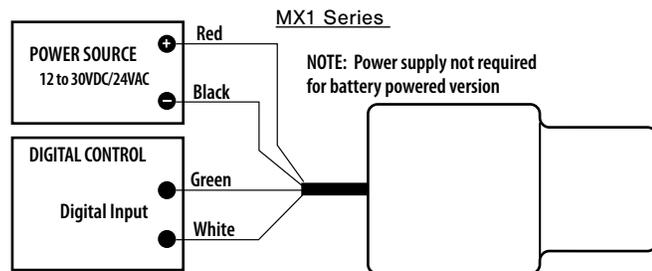
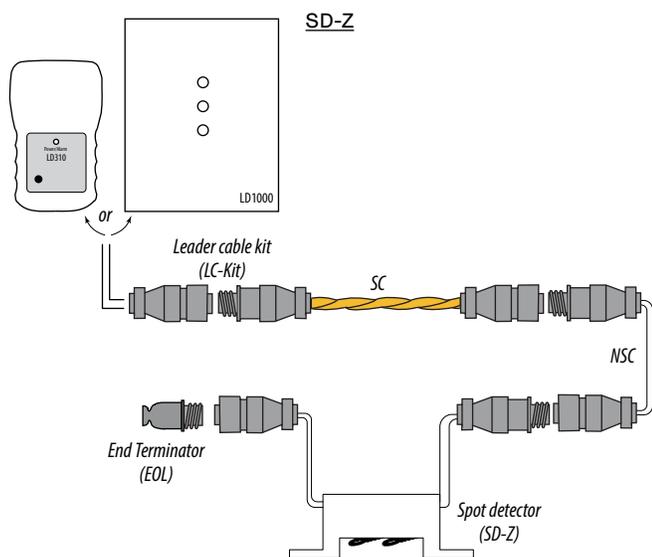
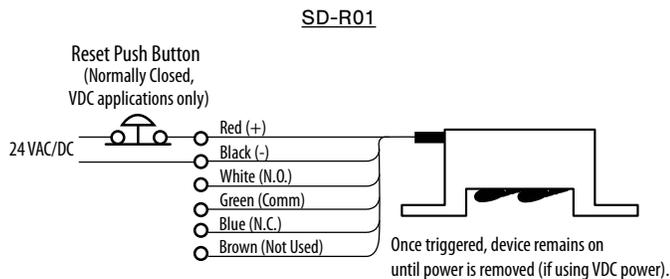
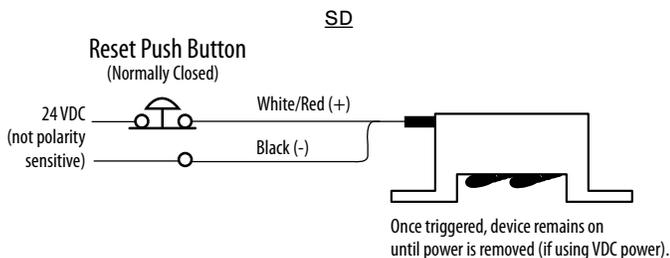
DESCRIPTION

SD, SD-R01, SD-Z and MX1 Spot Detectors detect conductive fluids at a single point for the most economical way to detect fluids in small, confined areas. These devices are commonly used in small rooms and in air-conditioning drip pans. Use only with SC conductive fluid leak detection cables.

Veris offers four models of spot detectors which can integrate with various building management systems.

WIRING DIAGRAMS

DIMENSIONAL DRAWINGS



ORDERING INFORMATION

| MODEL | MANUF. PART # | DESCRIPTION | CE | RoHS | ETL |
|-----------|---------------|--|----|------|-----|
| U006-0006 | SD | Spot Detector, 14' leader cable | ● | ● | ● |
| U006-0007 | SD-R01 | Spot Detector, 14' leader cable, relay out | ● | ● | ● |
| U006-0008 | SD-Z* | Spot Detector, 2x10" leader cable | ● | ● | ● |
| MX1B | MX1B | Spot Detector, battery | | | |
| MX1V | MX1V | Spot Detector, 12-30VDC/24VAC | | | |

* The SD-Z uses DIN style connectors. Connect it via the LC-KIT, or integrate it into an LC-KIT-SC/NSC cable configuration.