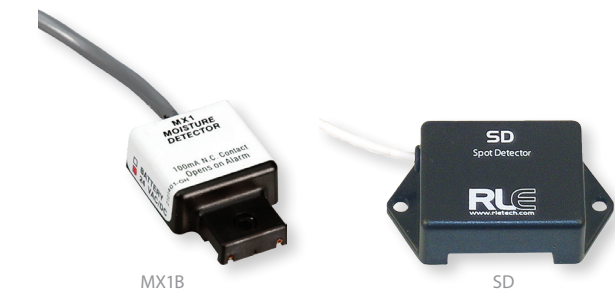


# SD, SD-R01 & MX1B

Spot Leak Detectors



SD, SD-R01 and MX1B 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 three spot detector models which can integrate with various building management systems.

| MODEL                                  | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SD Spot Detector                       | <ul style="list-style-type: none"><li>• Operates on either 12 to 36 Vac or 18 to 36 Vdc power</li><li>• Includes a 14 ft. (4.2 m) leader cable</li></ul>                                                                                                                                                                                                       |
| SD-R01 Spot Detector with Relay Output | <ul style="list-style-type: none"><li>• Works with any system that accepts dry contacts</li><li>• Operates on 24 Vac/dc ±10%</li><li>• 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)</li><li>• Includes a 14 ft (4.2 m) leader cable</li></ul> |
| MX1B Spot Detector                     | <ul style="list-style-type: none"><li>• Battery operated</li></ul>                                                                                                                                                                                                                                                                                             |

## SPECIFICATIONS

SD & SD-R01

|                              |                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------|
| Input Power:<br>SD-R01 Only  | 24 Vac/dc ±10%; 0.1 A max. (AC: 50/60 Hz)                                               |
| Storage Environment          | -20 to 70 °C (-4 to 158 °F)                                                             |
| <b>OUTPUTS</b>               |                                                                                         |
| Solid-state:<br>SD Only      | 12 to 36 Vac@0.01 A min., 0.1 A max., 50/60 Hz;<br>18 to 36 Vdc@0.01 A min., 0.1 A max. |
| Relay:<br>SD-R01 Only        | Dry Contact, Form C; 1 A@24 Vdc,<br>0.5 A @120 Vac resistive                            |
| <b>LEADER CABLE (NSC)</b>    |                                                                                         |
| Length:<br>SD                | 14 ft. (4.2 m)                                                                          |
| SD-R01                       | 14 ft. (4.2 m)                                                                          |
| <b>OPERATING ENVIRONMENT</b> |                                                                                         |
| Temperature                  | 0 to 50 °C (32 to 122 °F)                                                               |
| Humidity                     | 5% to 95% RH non-condensing                                                             |
| Altitude                     | 10,000 ft. (3,048 m) max.                                                               |
| <b>WARRANTY</b>              |                                                                                         |
| Limited Warranty             | 2 years                                                                                 |

## Simple installation

Simple installation – screw, or ram-set to floor (SD & SD-R01)

## Simple operation

Simple operation...no maintenance

## Solid-state design

No moving parts to fail

## Polymer coated

SD & SD-R01 models have polymer-coated sensing probes...no exposed metal that will rust

## Durability

All models are fully potted for water resistance...maximum durability

## SPECIFICATIONS

MX1B

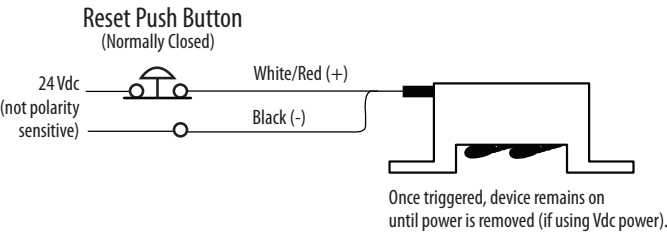
|                              |                                              |
|------------------------------|----------------------------------------------|
| Input Power                  | Typical 10-year life lithium battery         |
| Output                       | N.C. solid-state, (opens on alarm)           |
| Output Rating                | 30 Vac/dc@0.1 A max., not polarity sensitive |
| Sensing Electrodes           | Gold plated                                  |
| <b>OPERATING ENVIRONMENT</b> |                                              |
| Temperature                  | -20 to 80 °C (-4 to 176 °F)                  |
| Humidity                     | 0 to 100% RH                                 |
| Water Resistance             | Not for continuous submersion                |
| <b>WARRANTY</b>              |                                              |
| Limited Warranty             | 5 years                                      |

## AGENCY APPROVALS



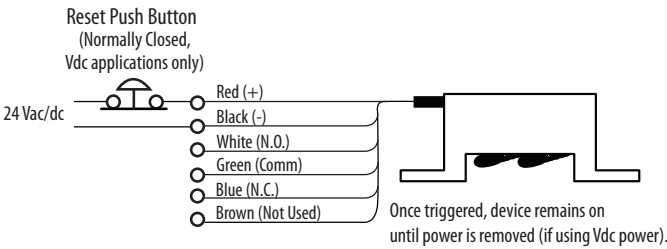
SD

Wiring Diagram



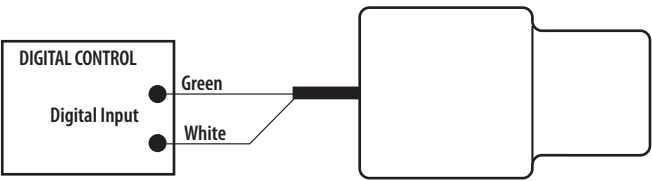
SD-R01

Wiring Diagram



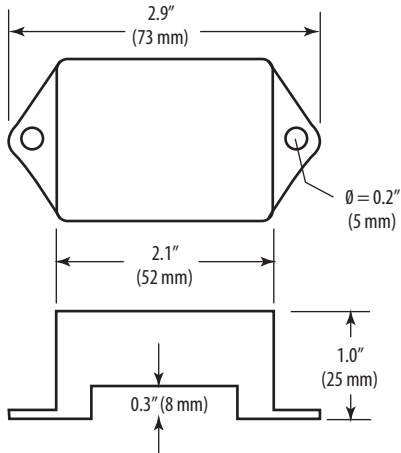
MX1B

Wiring Diagram



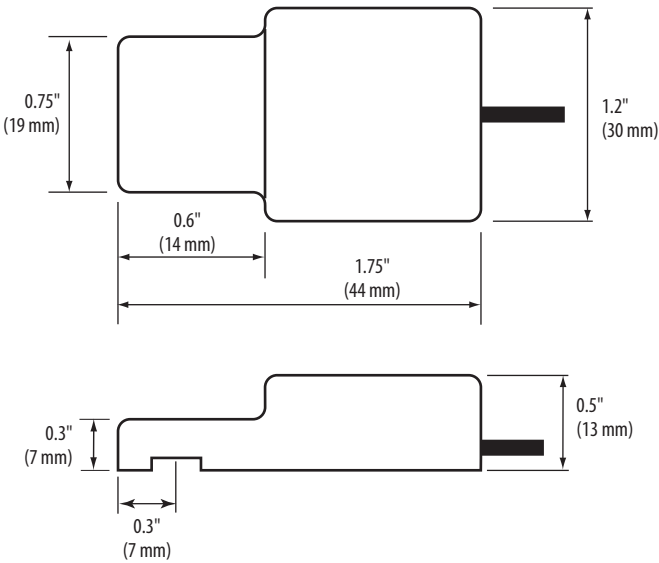
SD SERIES

Dimensional Drawing



MX1B

Dimensional Drawing



ORDERING INFORMATION

| MODEL     | MANUF. PART # | DESCRIPTION                                | CE | ETL |
|-----------|---------------|--------------------------------------------|----|-----|
| U006-0006 | SD            | Spot Detector, 14' leader cable            | •  | •   |
| U006-0007 | SD-R01        | Spot Detector, 14' leader cable, relay out | •  | •   |
| MX1B      | MX1B          | Spot Detector, battery                     |    |     |