**Series WD3 Water Leak Detector**

Battery or External Powered, SPST or DPDT Relays

The Series WD3 Water Leak Detector protects equipment from water damage by detecting the presence of water in drip pans in air handler units, under raised floors in data centers, or on floors around sump pumps and drains. Water is detected once it reaches a level that bridges the two conductive strips on the bottom of the housing. Depending on the model ordered, audible and visual alerts provide local indication of the alarm condition and an internal switch will give remote indication or control to prevent further build up of water.

For applications where power is not available, the Model WD3-BP-D1-A is battery powered. Otherwise, either AC or DC supply voltages can be used to power the water detector. The sensing height can be adjusted to as low as 1/32” using the included adjustable mounting strips or mounting screws.

**SPECIFICATIONS**

- **Service:** Water or conductive fluids.
- **Minimum Sensing Gap:** 1/32”.
- **Switch Type:** Battery Powered Models: SPST NO SSR; External Powered Models: DPDT relay.
- **Electrical Ratings:** Battery Powered Model: Pilot duty rating 250 mA @ 24 VDC; External Powered Models: 1A @ 24 VDC.
- **Audible Alarm:** At least 85 dB @ 1 foot distance (depends on model).
- **Visual Alarm:** Red LED for water level; Yellow LED for low battery (battery powered models only); Green LED for power condition (external powered models only).
- **Temperature Limits:** 32 to 122°F (0 to 50°C).
- **Power Requirements:** Battery Powered Model: 3V CR2450 lithium metal battery, installed functional, user replaceable; External Powered Models: 24 VAC (±10%) or 11 to 27 VDC.
- **Power Consumption:** Battery Powered Model: 0.9 mA steady state / 3.0 mA during alarm condition; External Powered Models: 30 mA steady state / 85 mA during alarm condition.
- **Battery Life:** 5 years steady state / 48 hours during alarm condition.
- **Electrical Connections:** 4.9 (1.5 m), 12 AWG, PVC, UL plenum rated cable.
- **Enclosure Material:** ABS and polycarbonate with flammability classification UL 94 V-0.
- **Enclosure Rating:** Audible Alarm Models: Water-tight up to 3/4 of the body height; Non-Audible Alarm Models: NEMA 6P (IP 68) submersible.
- **Weight:** 4.85 oz (137.5 g).
- **Agency Approvals:** CE, RoHS.

<table>
<thead>
<tr>
<th>Model</th>
<th>Output/Power</th>
<th>Audible Alarm</th>
</tr>
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<tbody>
<tr>
<td>WD3-BP-D1-A</td>
<td>SPST NO SSR</td>
<td>Yes</td>
</tr>
<tr>
<td>WD3-LP-D2</td>
<td>DPDT Relay</td>
<td>No</td>
</tr>
<tr>
<td>WD3-LP-D2-A</td>
<td>DPDT Relay</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**ACCESSORY**

A-WD3-BRK, Replacement Mounting Bracket

**Model WD Water Detector and Sensor Tape**

Detects Low Levels Of Conductive Liquids

The small and discreet Model WD Water Detector is designed for dependable detection of low levels of conductive liquids. The module features a sturdy and reliable aluminum enclosure and is powered by 24 VAC or 24 to 30 VDC. Water sensing tape attaches to module and if any liquid comes in contact with the tape the resistance is changed and the alarm will be triggered. The tape is hydrophobic so it does not absorb any of the liquid it is detecting which makes it a faster drying time and faster return to service after a water leak.

The sensing tape is 1” wide and can be bought in lengths of 5’, 10’, 15’ and 25’. Multiple tapes can be connected together to extend the coverage area which makes it ideal for domestic as well as commercial applications. Features include power and alarm LED’s, alarm test switch, continuous tape integrity self check and extendable tape sensor.

**SPECIFICATIONS**

- **Service:** Conductive liquid.
- **Switch Type:** DPDT.
- **Electrical Rating:** 1A @ 24 VAC/VDC.
- **Power Requirements:** 24 VAC, 24 to 30 VDC.
- **Power Consumption:** 35 mA maximum.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>WD</td>
<td>Water Module</td>
</tr>
<tr>
<td>TP05</td>
<td>5’ (1.52 m) Tape</td>
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<tr>
<td>TP10</td>
<td>10’ (3.05 m) Tape</td>
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<tr>
<td>TP15</td>
<td>15’ (4.57 m) Tape</td>
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<tr>
<td>TP25</td>
<td>25’ (7.62 m) Tape</td>
</tr>
</tbody>
</table>

**Electrical Connections:** Screw terminals.
- **Conduit Connections:** Hole for 1/2” conduit.
- **Enclosure:** Extruded aluminum.
- **Sensor Tape:** 1” (25.4 mm) wide and 5’, 10’, 15’ or 25’ long.
- **Weight:** 8 oz (.23 kg).