Water Leak Detectors

Series WD2

**Water Leak Detector**

Visual & Audible Alarm, Drain Pan Level Switch

The very affordable Series WD2 detects leaking conductive fluids and alarms to prevent the leak from creating costly damage. The WD2 relies on the electrical conductivity of water to change the resistance across the two contacts located at the base of the enclosure. Model WD2-BP2 is battery powered, provides audible alarm, LED visual alarm, and a SSR output. Also featured is a low battery warning. WD2-LP units are line powered and include a green power indication LED.

Mounting bracket A-154 is perfect for use in leak pans where it is desired to raise the power indication LED. Also featured is a low battery warning. WD2-LP units are line powered and include a green power indication LED. WD2-BP2 is battery powered, provides audible alarm, LED visual alarm, and a SSR output.

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 for 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:** 1 A @ 24 VAC/VDC.

**Power Requirements:** 24 VAC, 24 to 30 VDC.

**Power Consumption:** 35 mA maximum.

**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).

**Model**

<table>
<thead>
<tr>
<th>WD</th>
<th>Water Module</th>
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<tbody>
<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>
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**WD2-BP2**

WP32 NO SSR

Power LED Alarm Audible Alarm

WD2-LP
SPDT Relay

WP32 NO SSR

11-27 VAC/DC

8

Yes

WP32 NO SSR

WD2-LP-D1
DPDT Relay

11-27 VAC/DC

8

Yes

WD2-LP-D2
DPDT Relay

11-27 VAC/DC

8

No

**ACCESSORY**

A-154, Mounting Bracket for WD2

**Power Requirements:** BP Models: 3 V CR2450 lithium metal battery, installed non-functional, user replaceable; LP Models: 11 to 27 VAC/DC.

Battery Life: 2 years (approximately).

**Power Consumption:** BP models: 0.9 mA steady state non-alarm, 3.0 mA during audible alarm. 2.4 mA during LED alarm; LP models: DC power: 25 mA typical and 75 mA max. AC power: 30 mA typical and 85 mA max.

**Electrical Connections:** PVC insulated 22 AWG cable. BP models: 0.8 ft (.25 m); LP models: 4.8 ft (1.5 m).

**Enclosure:** ABS and acrylic.

**Temperature Limits:** 32 to 122°F (0 to 50°C).

**Weight:** WD2-BP2: 3.5 oz; WD2-LP: 4.3 oz; WD2-LP-D: 5.6 oz.