



Series  
WD3

# Water Leak Detector

Battery or External Powered, SPST or DPDT Relays



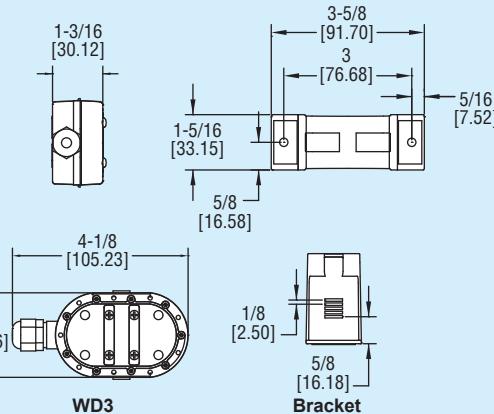
WD3-BP



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WD3-LP



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 pump units 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 bracket. The mounting bracket can attach to any flat surface by either using the attached adhesive strips or mounting screws.

Model	Output	Power	Audible Alarm
WD3-BP-D1-A	SPST NO SSR	Battery	Yes
WD3-LP-D2	DPDT Relay	11 to 27 VAC/DC	No
WD3-LP-D2-A	DPDT Relay	11 to 27 VAC/DC	Yes

## ACCESSORY

A-WD3-BRK, Replacement Mounting Bracket

## 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  
VAC/DC.

**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),  
22 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.