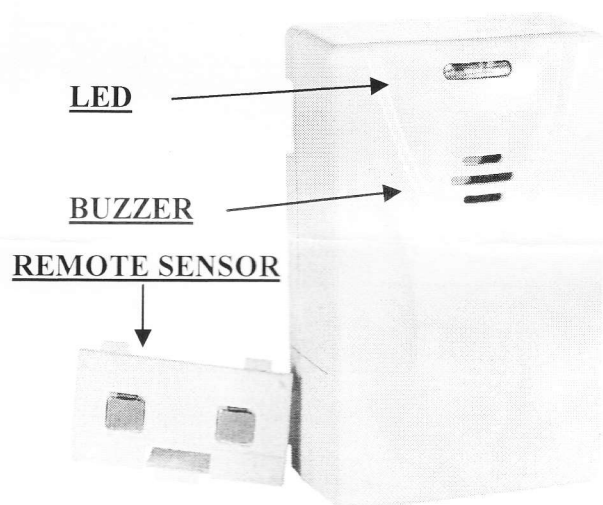


# WND/WNC-900 Series WATER LEAK ALARM WITH REMOTE SENSOR INSTALLATION MANUAL

## GENERAL DESCRIPTION

The 900 series water leak alarm is the perfect solution to protect your home from potential water flood damage by placing anywhere a potential water leak exists - near or beneath sump pumps, plumbing, refrigerators, dishwashers, washing machines, sinks, water heaters, toilets, basements HVAC equipment and garages. It relies on the electrical conductivity of water to change the resistance across the two contacts located at the base of the enclosure. When there is enough water to bridge the contacts, the resistance changes and triggers an alarm.

## APPEARANCE



## INSTALLATION

The sensor is located on the bottom of the water alarm, so the water alarm can be placed directly on the floor with sensor compartment closed, or the sensor can be detached from the sensor compartment and the sensor wires extended up to 6 feet to reach a remote location. Adjust wires so contacts are flat against surface.

★ **Note:** If mounting the sensor to a metal surface, ensure the two metal of sensor do not contact the metal surface.

☐ **Note:** the water alarm is not waterproof. If the alarm has been submerged in water or becomes wet.

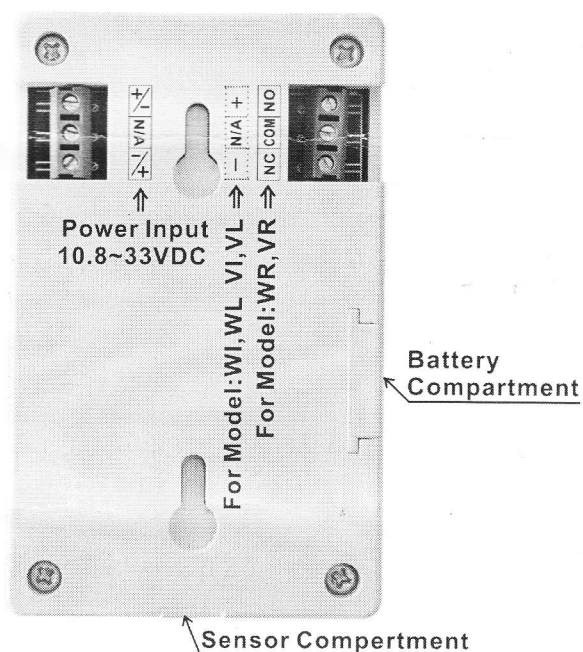
## INSTALL OR REPLACE BATTERY

Remove the cover for the battery compartment

## FEATURES

- ◆ 9VDC Battery / 10.8 to 33VDC Power;
- ◆ Easy and Fast Installation, and Battery Replacement;
- ◆ LED Indicator for Work Status;
- ◆ Fully Supervised for Low Battery and Fault Status;
- ◆ Pulsating audible alarm sound with more 85db/3m in Alarm Mode;
- ◆ Five-year Limited Warranty;

which is located on the right side of the alarm and the battery connector is inside. Insert the 9V battery making sure it snaps completely into the battery terminals and cannot be shaken loose. Place the battery into the compartment and replace the cover. After the battery is installed or replaced, the red LED will flashes once 30 - 40 seconds, it indicates the battery has been installed or replaced successfully, the water alarm goes into the normal operation. Replace the detector once a year or immediately when the low battery "beep" signal sounds once a minute. The low battery "beep" should last at least 30 days.



## WIRING GUIDE

### ■ Power Supply:

9V BATTER OR 10.8 ~ 33VDC (*non-polarity*);

### ■ Relay Output:

**NC** Normally Closed;

**COM** Common;

**NO** Normally Open;

Model:

WND-900-WR

WNC-900-VR

### ■ Remote Output:

+ Positive; - negative

Model:

WND-900-WL

WNC-900-VL

### ■ Interconnection:

"+" and "+" connect each other;

"-" and "-" connect each other;

Model:

WND-900-WI

WNC-900-VI

## TEST WATER ALARM

The water alarm can be tested by placing it on a wet surface so water is across the two metal on the sensor. The water alarm should be tested monthly.

### IDENTIFY THE ALARM STATUS

★ **In Standby** - A visible LED flashes every 30-40 seconds;

★ **Local Alarm** - A visible LED flash accompanying a pulsating audible alarm.

★ **Remote Alarm** - A pulsating audible alarm with no LED flash.

★ **Low Battery** - A beep or chirp occurring virtually simultaneously with an LED flash.

★ **Alarm Fault** - A beep or chirp occurring halfway between LED flash.

## SPECIFICATION

Model	Voltage (DC)	Standby Current	Alarm Current	Buzzer Output	Interconnection	Remote LED	Relay Output	Auto-Reset
WND-900-W	9V Battery	6uA	15mA	85dB/3m	—	—	—	✓
WND-900-WI	9V Battery	6uA	15mA	85dB/3m	✓	—	—	✓
WND-900-WL	9V Battery	6uA	15mA	85dB/3m	—	✓	—	✓
WND-900-WR	9V Battery	6uA	25mA	85dB/3m	—	—	✓	✓
WNC-900-V	10.8 ~ 33V	40uA	15mA	85dB/3m	—	—	—	✓
WNC-900-VI	10.8 ~ 33V	40uA	15mA	85dB/3m	✓	—	—	✓
WNC-900-VL	10.8 ~ 33V	40uA	25mA	85dB/3m	—	✓	—	✓
WNC-900-VR	10.8 ~ 33V	40uA	25mA	85dB/3m	—	—	✓	✓
Temperature & Humidity:		0°C to +55°C; 0% to 95% RH Non condensing						
Dimensions		100x62x40mm						
Weights		70g without battery						
Battery Life		18 Months(Carbon Zinc); 10 Years(Lithium)						

Remark: **W** - Water Sensor; **D** - 9V Battery; **C** - 10.8 ~33VDC; **I** - Interconnection Function ; **L**- Remote Indicator Output; **R** - Internal Relay Output, *Relay contact with Form A (NO)*;

### LIMITED WARRANTY STATEMENT

Ningbo Ambest Electronics Co., Ltd the maker of NUMENS brand warrants its enclosed water alarm to be free from defects in materials and workmanship under normal use and service for a period of twelve (12) months from date of manufacture. NUMENS makes no other express warranty for this water alarm. no agent, representative, dealer, or employee of the company has the authority to increase or alter the obligations or limitations of this warranty. The company's obligation of this warranty shall be limited to the repair or replacement of any part of the water alarm which is found to be defective in materials or workmanship under normal use and service during the 12 months period commencing with the date of manufacture. Contact NUMENS directly for a return merchandise authorization (RMA) number, send defective units postage prepaid to the factory in Ningbo City, China. Please include a note describing the malfunction and suspected cause of failure. The company shall not be obligated to repair or replace units which are found to be defective because of damage, unreasonable use, modifications, or alterations occurring after the date of manufacture.

CN-SM-900,VER 1.1

### Manufacturer:

**NUMENS**

Ningbo Ambest Electronics Co., Ltd.

Add: #70, Huangsu West Road, Industrial Zone Of Dongqianhu  
Tourist Resort District, Ningbo, China

Tel: 86-574-8281 7378 Fax: 86-574-8300 1913

Web: <http://www.numens.net>