

WD-85 Water Detector

INSTALLATION INSTRUCTIONS

Description

The WD-85 is a water detector with internal relay. The WD-85 detects water flooding caused by water leak from plumbing, washing machines, dishwashers and other water sources. In alarm mode relay is activated, buzzer is optional.



Figure 1: WD-85 with water probe part released

Locating

Place the sensor box close to potential water source. Place the unit close to place where water may concentrate, considering that the WD-85 won't get direct water. The electronic board is not waterproof, in wet place locate the unit above floor and extend the sensor wires (2 meters).

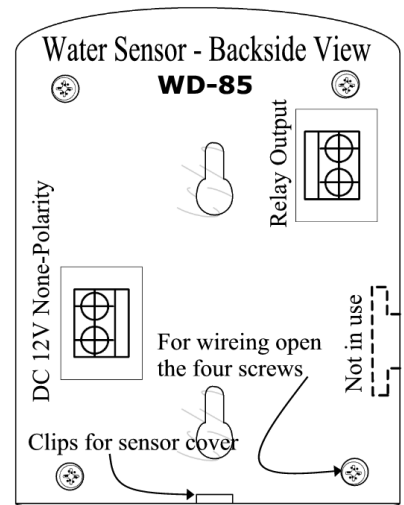
Wiring

Wires entry located in the unit back side. Open the screws for wires connecting. Supply 12V DC to the detector, the terminal has no polarity. Refer to figure 2.

To connect the WD-85 to an alarm system use the relay located in the upper part of the unit.

The relay default settings is Normally Open, to change to Normally Close replace the jumper located on the components side of the PCB, near to the Black relay.

Figure 2: WD-85 Wiring Terminal



Testing

Supply 12V DC to the unit, wait 15 seconds, apply a small water splash or place the Water Probes unit in a glass of water within few seconds alarm start, relay triggered.

Technical Specifications WD-85

WD-85 Specifications	
Operating Temp: -25 to +70 C°	Relay: 0.5A @ 24V, N.O. or N.C.
Controller Max. Humidity: 70%	Optional: 85 db @ 1 meter Sounder
DC Input: 11 to 14V DC, none polarity	Water Probes: Plated Metal, Expandable to 200 cm
Standby Current Consumption: 15 mA	Water Resistance: None
Alarm Mode Current Consumption: 70 mA	Housing: ABS, Water Snow color
Indications: Relay. Optional: Sounder in WD-85S	Size: W=60, L=102, H=35 mm

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