



LEVEL & LEAK DETECTION

KELE WATER DETECTOR

WD-1B

DESCRIPTION

The **Kele WD-1B** water detector features gold-plated probes and microchip technology for dependable detection of conductive liquids. The **Model WD-1B** can be operated from 11-27 VAC/VDC. For application flexibility, SPDT contacts are provided to connect to a monitoring system. A height-adjustable, cast-aluminum, weatherproof enclosure is standard. A green LED visible outside the box indicates power. A red LED indicates water detected. The **Model WD-1B** is also available with an external tape style sensor, the Model WD-2-T.



FEATURES

- **Weather resistant enclosure**
- **Easy to install**
- **SPDT alarm contacts**
- **11-27 VAC/DC(50/60 Hz)**
- **Reliable operation**
- **LEDs for power and alarm indication (green, red)**
- **Adjustable detection level**

OPERATION

The **Model WD-1B** can be used with any contact-closure monitoring panel. The SPDT contacts may be wired normally open or normally closed, allowing wiring flexibility to handle most installations.

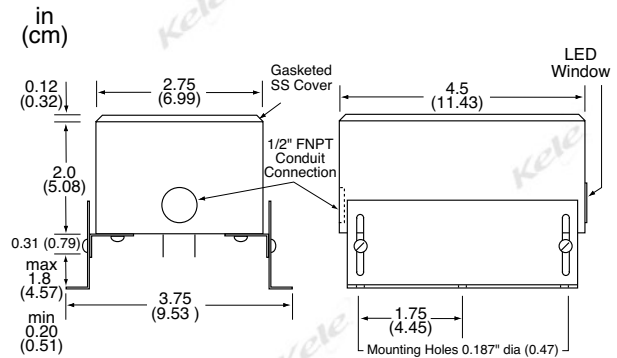
MOUNTING

Secure by applying a silicone adhesive to the mounting feet and placing the sensor in the area to be protected. For more permanent installations, fasten the sensor using the 0.19" (0.48 cm) holes provided in the mounting feet with #6 or #8 screws. The legs are adjustable 1.5" (3.81 cm) for precise water level signaling.

SPECIFICATIONS

Supply Voltage	11-27 VAC @ 1.7 VA; 11-27 VDC @ 30 mA
Relay Type	SPDT
Relay Rating	1 A @ 24 VAC/VDC, 1/2 A @ 120 VAC
Display	Green LED = Power Red LED = Alarm
Probe	Gold plated, 1.5" adjustable
Operating Temperature	32° to 158°F (0° to 70°C)
Enclosure Rating	NEMA 4, Cast aluminum, weather resistant with adjustable legs
Dimensions	4.3"H X 3.75"W X 4.5"L (10.7 X 9.5 X 11.4 cm)
Weight	0.98 lb (0.4445 Kg)
Approvals	CE
Warranty	1 year

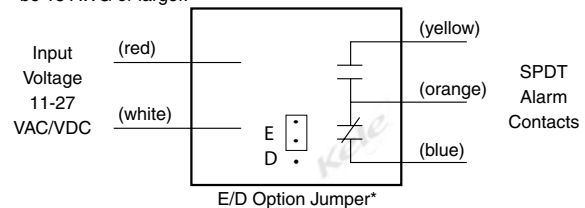
DIMENSIONS



Probe height adjustable 0" to 1.5" (0 to 3.8 cm)

WIRING

The **WD-1B** is provided with a 1/2" FNPT conduit connection in the end of the enclosure. Terminations are made to the color-coded wires with field-supplied connectors. All interconnect wiring should be 18 AWG or larger.



If grounded AC power is used, the grounded power supply lead must be connected to the white lead on the **WD-1B**, or the unit may fail to operate.

*E/D Option Jumper:

E = Output relay is energized when water is detected.
(No alarm on power loss)

D = Output relay is de-energized when water is detected or when power is lost. (Alarm on when water is present or power loss)

ORDERING INFORMATION

MODEL
WD-1B
WD-1B-C

DESCRIPTION

Water detector
Water detector with normally-energized relay (alarms when power is lost or water is detected)

RELATED PRODUCTS

WD-2-T

Water detector (tape style sensor)