

WATER DETECTOR AWL100 SERIES

Water Detector Standalone



AWL-100

Water Detector c/w Remote Sensor



AWL-102

DESCRIPTION:

The AWL100 is a microchip-based device that uses gold-plated sensing probes to detect the presence of water or other conductive liquid. The AWL100 is powered by an AC or DC source, 14 - 30 volts. It features normally open and normally closed (form C) relay contacts rated at 5A @ 120 VAC/30 VDC for connection to a monitoring system, or direct control of another device. The mounting legs will allow a sensing height adjustment from 0" to 1/2". The AWL100 is designed to signal an alarm if one or more of three conditions are met: water is detected, power is lost to the unit, or if there is an internal failure. The AWL100 provides the highest level of water detection confidence.

The AWL-102 operates on the same principle as the AWL-100 but comes with a 5 ft. remote probe.

FEATURES:

- Monitors Variety of Liquids
- Single-point or Conductivity Cable
- Fail-safe Circuitry
- Form C, Relay Output
- Weatherproof Enclosure

SPECIFICATIONS:

Power supply	14 - 30 VAC/DC
Supply current.....	60mA max @ 24 VDC, (no water)
Operating temperature.....	-40°C - 85°C (-40°F - 185°F)
Cable Rating	Plenum rated - CL2P (UL)
Enclosure	ABS with hinged lid and gasket IP65 (NEMA 4X), UL94-5VB
Dimensions (LxWxH	145 x 100 x 64 mm 5.7" x 3.95" x 2.5"
Height with mounting.....	98.43 mm (3.875") Max
legs (AWL100).....	88.90 mm (3.25") Min
Alarm output.....	Form C relay, rated @ 2 amps @ 250 VAC / 30 VDC (resistive load)

APPLICATIONS:

The following chart gives examples of what types of fluids the AWL100 can and can not be used to detect.

Fluids that can be detected	Fluids that can't be detected
City water	Pure water
Sea water	Gasoline
Copper sulfate solution	Oil
Weak acid	Brake fluid
Weak base	Alcohol
Household ammonia	Ethylene glycol
Water & glycol mixture	Paraffin
Wet soil	Dry soil
Coffee	Whiskey

OTHER FEATURES:

- Fail-safe circuitry
- Reverse acting contacts
- Reverse voltage protection
- RFI/EMI noise immunity

ORDERING INFORMATION:

- AWL-100 - Stand Alone
- AWL-102 - Remote Probe (5')
- AWL-100-5 - c/w 5' conductivity cable
- AWL-100-10 - c/w 10' conductivity cable
- AWL-100-25 - c/w 25' conductivity cable
- AWL-100-50 - c/w 50' conductivity cable
- AWL-100-100 - c/w 100' conductivity cable
- Custom lengths available upon request