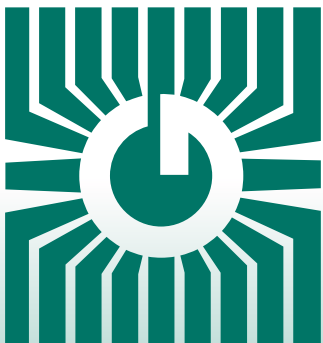


# GREYSTONE ENERGY SYSTEMS INC



## WATER DETECTOR WD-100 Series



WD-100 - Water Detector Standalone



WD-102 - Water Detector c/w Remote Sensor



WD-100-XX - Water Detector c/w  
Conductivity Cable

## Precision Water Detection

### FEATURES:

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

*Peace of mind  
through reliable  
water detection*

GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM

# WATER DETECTOR - WD100 SERIES

## DESCRIPTION:

The WD100 is a microchip-based device that uses gold-plated sensing probes to detect the presence of water or other conductive liquid. The WD100 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 WD100 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 WD100 provides the highest level of water detection confidence.

The WD-102 operates on the same principle as the WD-100 but comes with a 5 ft. remote probe. For custom lead lengths please contact Greystone.

The WD-100-xx Series c/w the specified length of conductivity cable. See ordering information for available lengths.

## 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 (WD100) ..... 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 WD100 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:

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



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COMPLIANT



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