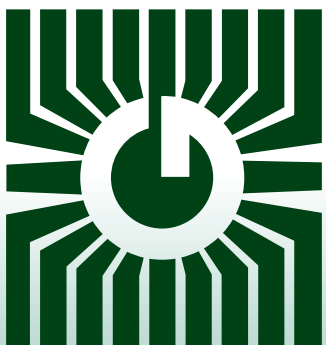


GREYSTONE ENERGY SYSTEMS INC



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)
Enclosure:	ABS with hinged lid and gasket IP65 (NEMA 4X)
Dimensions (LxWxH):	145 x 100 x 64 mm 5.7" x 3.95" x 2.5"
Height with mounting legs (WD100)	98.43 mm (3.875") Max 88.90 mm (3.25") Min
Alarm output:	Form C relay, rated @ 5 amps @ 120 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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RoHS
COMPLIANT



Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.

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