

GREYSTONE ENERGY SYSTEMS INC

WATER DETECTOR WD-100 Series



WD-100 - Water Detector Standalone



WD-102 - Water Detector c/w Remote Sensor

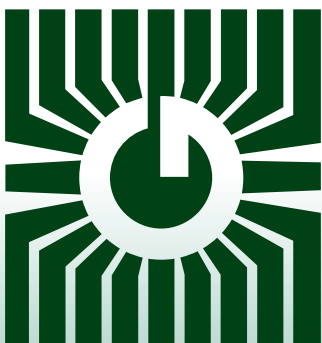


WD-100-XX - Water Detector c/w
Conductivity Cable

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*

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.

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 |

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) |

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



Greystone Energy Systems Inc.
150 English Drive, Moncton,
New Brunswick, Canada E1E 4G7
(506) 853-3057 Fax: (506) 853-6014
North America: 1-800-561-5611
e-mail: mail@greystoneenergy.com
www.greystoneenergy.com



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.