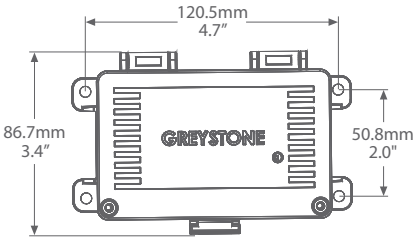
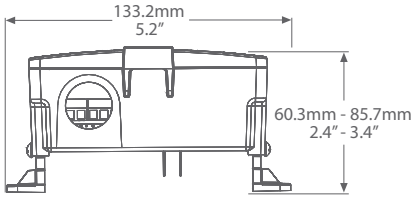
GREYSTONE
ENERGY SYSTEMS INC

WATER DETECTOR, SPOT







WLDS SERIES

PRODUCT DESCRIPTION

The spot water detector is used to detect the presence of water or conductive liquids. It is available with either one or two relay outputs and is designed to signal alarms 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.

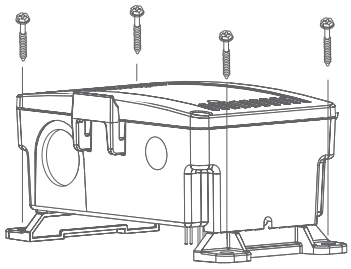
The spot water detector is housed in an IP65 rated enclosure with sensing probes protruding from the bottom.

It features height adjustable mounting legs that include 5 preset mounting heights. An LED provides visual status indication.

TYPICAL INSTALLATION

For complete installation and wiring details, please refer to the product installation instructions.

The water detector enclosure can be mounted directly to the floor of the area requiring monitoring.



SPECIFICATIONS

VISUAL INDICATION	Bi-color LED - Green, Red
OPERATING TEMPERATURE	0 to 60°C (32 to 140°F)
DIMENSIONS	133.2mm L x 86.7mm W x 60.3-85.7mm H (5.2" x 3.4" x 2.4"- 3.4")
SENSING PROBE HEIGHT	Adjustable, 1mm (0.04") to 26mm (1.04") - 5 pre-set heights
PROTECTION CLASS	III
POWER SOURCE UL	12-27 Vac/Vdc, 50/60 Hz, SELV, Class 2
CONSUMPTION	125 mA max @ 24 Vac
OUTPUTS	2A , 30 Vac/Vdc, 6000 cycles, resistive, 60°C, SELV, Class 2 1 or 2 Form C relay alarms (NO/NC)
EU CONFORMITY	CE
UL MODEL#	WH2O11S, WH2O12S
CERTIFICATION	UL 60730 & CSA E60730
UL 2043 / CSA / ULC S142 COMPLIANT	Suitable for Use In Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code
ENCLOSURE	Type 4X & IP65, ABS w/hinged & gasket cover
PURPOSE OF CONTROL	Operating Control, Water Detector
TYPE OF ACTION	Type 1. C Action
IMPULSE VOLTAGE	330V
POLLUTION DEGREE	3
COUNTRY OF ORIGIN	Canada

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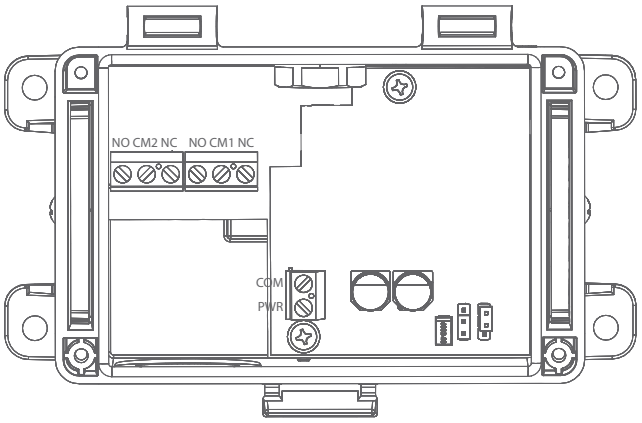
APPLICATION

The following chart gives examples of what types of fluids the WLD can and cannot 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	Parafin
Wet soil	Dry soil
Coffee	Whiskey

WIRING INFORMATION



TERMINAL	FUNCTION
NO	Normally Open Contact
CM1	COMMON
NC	Normally Closed Contact
NO	Normally Open Contact
CM2	COMMON
NC	Normally Closed Contact
COM	COMMON
PWR	+24 VAC/DC

*Terminals only present if option ordered.

ORDERING

PRODUCT	WLDS	Water Detector, Spot
RELAY	1	1 Relay
	2	2 Relays

NOTE: Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

PART NUMBER

WLDS

RoHS COMPLIANT

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