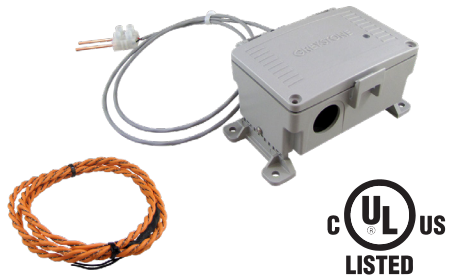
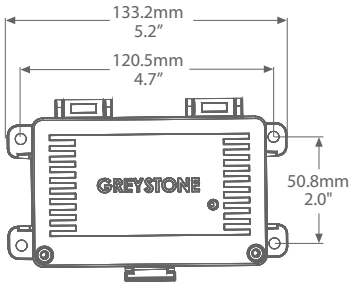
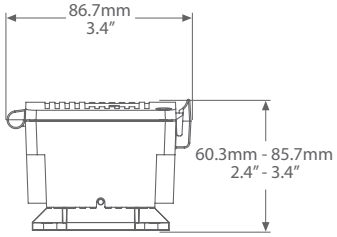
GREYSTONE
ENERGY SYSTEMS INC

WATER DETECTOR, DUAL CHANNEL, SPOT







WLD2S SERIES

PRODUCT DESCRIPTION

The dual channel spot water detector is used to detect the presence of water or conductive liquids. It features two detection points each with an independent relay output 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.

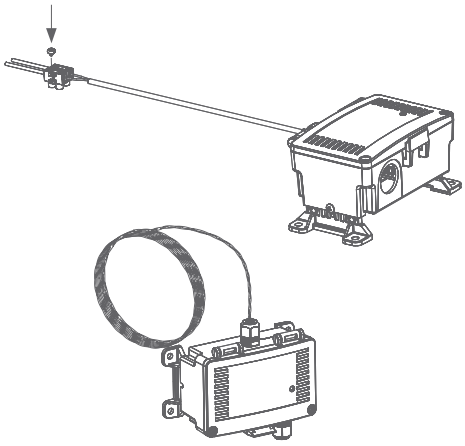
The dual channel spot water detector features spot detection on channel 1, with sensing probes protruding from the bottom of the enclosure and on channel 2, the selection of either remote spot or conductivity cable which are available in several lengths.

It is housed in an IP65 rated enclosure with height adjustable mounting legs. 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 or on a nearby wall.



SPECIFICATIONS

VISUAL INDICATION	Tri-color LED - Green, Yellow, 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
CABLE TYPE (REMOTE SPOT)	FT-6 Plenum rated
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#	WH2O22SR, WH2O22SC
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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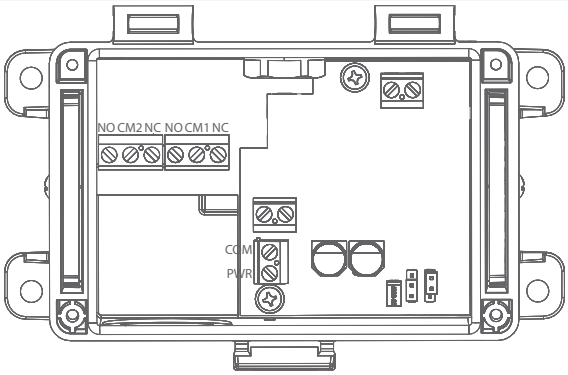
APPLICATION

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

ORDERING

PRODUCT	**WLD2S**	Water Detector, Dual Channel, Spot
CHANNEL 2	**R** **C**	Remote Spot Conductivity Cable
REMOTE CABLE LENGTH (REMOTE SPOT) LEADER CABLE LENGTH (CONDUCTIVITY)	**00** **02** **05** **10**	None 2m (6.5') 5m (16.4') 10m (32.8')
CONDUCTIVITY CABLE LENGTH	**C000** **C002** **C003** **C005** **C010** **C015** **C020** **C050**	Select if Remote Spot is selected for Channel 2 2m (6.5') 3m (9.8') 5m (16.4') 10m (32.8') 15m (49.2') 20m (65.6) 50m (164')

PART NUMBER

WLD2S

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

RoHS COMPLIANT

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