

# ProH<sub>2</sub>O™ Water Leak Detection

## Linear Water Leak Detection Cable and Interface Module



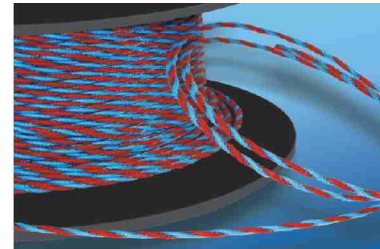
- Addressable or Conventional
- Built-In Distance Locating

### Cut Sheet

Part Number: Detection Cable - L1000  
Interface Module - WLDL-D1PG

#### Features

- Universal interface works with any panel
- Addressable or conventional
- Built-In distance locating
- Self restoring
- Up to 1,000 linear feet (305m) per zone
- Can detect a leak anywhere along the length of cable
- 4-20mA and 0-10VDC analog output
- 8A @ 30VDC latching or non-latching relay outputs



#### Description

The ProH<sub>2</sub>O linear leak detection system is the first ever addressable or conventional water leak detection system which is specifically designed for water based products of any kind. No proprietary control panel is required, just add an interface module to your new or existing addressable fire alarm control/releasing panel, and run the leak detection wire. The ProH<sub>2</sub>O interface module may also be used as a stand alone system using its internal sounder for leak notification or connect a second annunciator.

ProH<sub>2</sub>O leak detection cable is run on the floor near sensitive equipment or where water may enter the environment. It may also be attached directly to sprinkler or process piping.

#### Applications

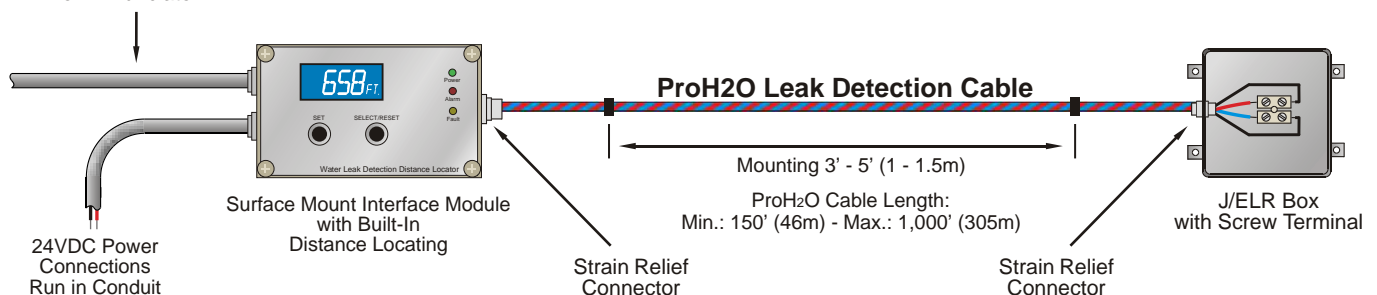
ProH<sub>2</sub>O can detect leaks in any open or concealed area where water intrusion must be identified immediately. Electrical Rooms, Sprinkler Pipes over sensitive equipment, Telephone Equipment Rooms, Computer Room Sub-floors, Water Cooled Computer Room Air Conditioner Units, and any water based process piping where a leak cannot be tolerated.

#### Specifications - ProH<sub>2</sub>O Cable Part #: L1000

Cable Length:	150 - 1,000 ft. (46 - 305m) per module
Spool Lengths:	1,640 ft. (500m)
O.D.:	1/4" (6.4mm)
Resistance:	.2 ohm/ft. (.656 ohm/m)

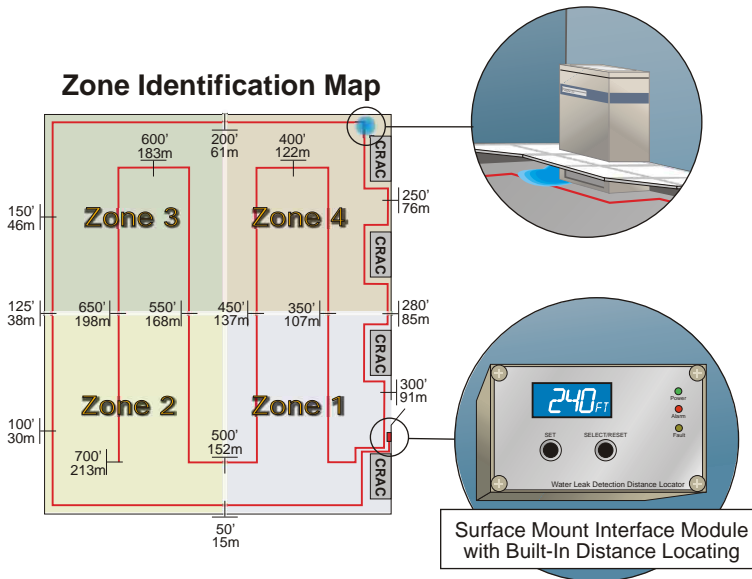
#### Typical Configuration

Alarm and Fault Relay Connections run in conduit to either Addressable Modules, Conventional Panel, BMS, or Annunciator



## Interface Module with Distance Locating

The ProH2O Leak Detection System uses a U/L listed 24VDC Interface Module to communicate to any addressable module, FACP, BMS or annunciator. The Alarm, Fault, and Power LEDs display the current system status while the built-in distance locating feature can identify where the leak is occurring up to 1,000 ft (305m) from the module and display the results in both feet and meters. The internal sounder also allows the interface module to be used as a stand alone system. System mapping may be done by zoning cable lengths. The figure below illustrated a leak detected at 240 feet (73m) from the Interface Module, this is identified as Zone 4.



## Specifications - Interface Module Part #: WLDL-D1PG

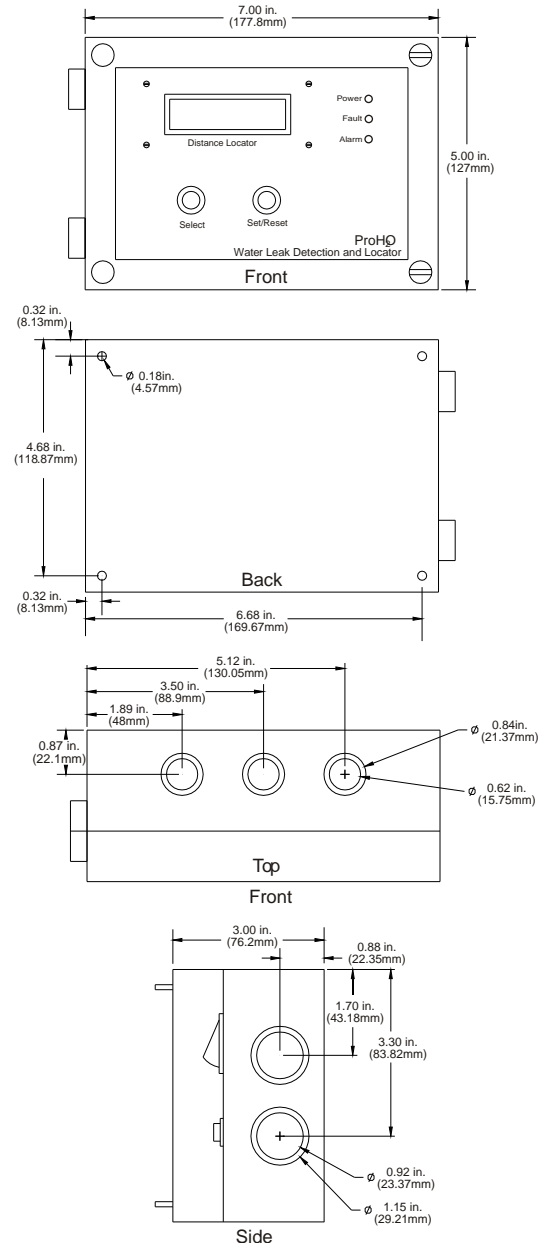
Dimensions (W x H x D):	7" x 4.68" x 3" 177.8mm x 118.9mm x 76.2mm
Enclosure Rating:	NEMA4 (IP65/IK08)
Weight:	1 lb. (0.45kg)
LCD Display:	Backlit
Current Draw:	<120mA @ 24VDC normal operation <200mA @ 24VDC alarm state
Operating Voltage:	18 - 28 VDC
Operating Temperature:	32° - 120°F (0° - 49°C)
Max. Cable Length:	1,000 ft. (305m)
Dry Contact Relays:	1 - Alarm, 1 - Fault
Relays:	8A @ 30VDC (NO, NC)
Analog Outputs:	4-20mA and 0-10VDC
LEDs:	Power, Alarm, Fault
Audible:	Sounder for Alarm and Fault
System:	Addressable or Conventional

Specifications are subject to change without notice. Delivery subject to availability.

## Interface Module Features

- Use with any approved panel
- Addressable or Conventional
- May be used as a stand alone system
- Simple installation and operation
- LCD backlit display
- Displays distance to leak in feet and meters
- NEMA4 (IP66/IK08) rated enclosure
- 4 - 20mA and 0 - 10VDC analog output
- Integrated annunciator for alarm and fault

## Details



**Note:** Please refer to all federal, state and local codes, and manufacturer's recommendations prior to design or installation.



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