

HWg-WLD: Water Leak Detector

Ethernet Water Leak Detection with sensing cable. Web server, E-mail, SNMP, remote relay

HWg-WLD detects water leaks or water floods along the entire length of the sensing cable. The sensing cable detects even the smallest volume of water, ethylene glycol or other conductive liquid.



The sensing cable detects as little as a few drops of the liquid, and can be used to detect water condensation. After flooding, the sensing cable can be dried and reused.

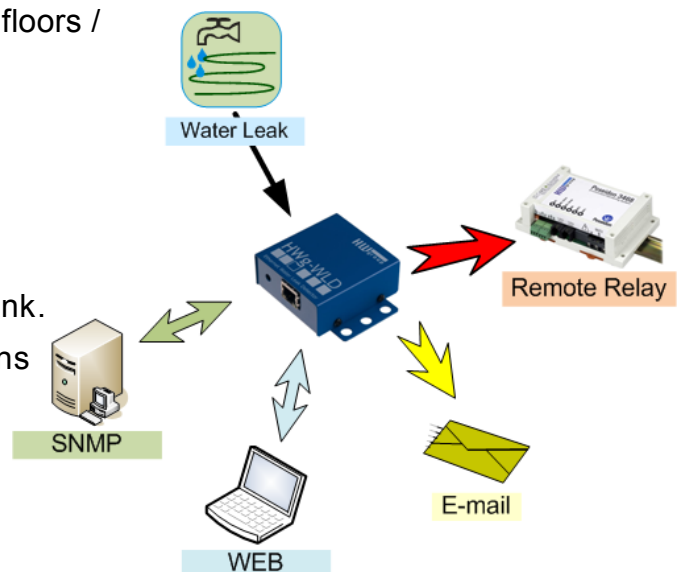
HWg-WLD features a built-in web server and SNMP support. In case of a water detection, HWg-WLD sends a SNMP trap or E-mail.

Alarm can be also signaled by activating a remote relay over IP. When a water leak is detected, HWg-WLD activates defined relay output of a remote Poseidon or Damocles device (Box-2-Box mode).

- Highly sensitive liquid leak or flood detector, **sensing cable length 0.4 – 85m**
- Alarm alerts are sent by E-mail, SNMP trap, or by activating a remote relay output
- Detects even the smallest volumes of liquids, sensing cable can be dried and reused

Application examples

- **IT / Datacenters:** Detection cable below raised floors /
- **Office buildings:** Run in drip trays
- **Buildings:** Above suspended ceilings
- **Pipeline remote monitoring:**
Attached to pipe-work within lagging
- Laid around the base of a plant, apparatus or tank.
- Water leak detector laid in loops or wave patterns for general monitoring of larger areas



Water leak sensor: Detection Cable

The liquid leak detection cable consists of a non-sensing leader cable and a leak detection sensing cable. The leader cable can be extended with any two-wire cable (at least AWG26).

Basic features

- Simple installation, DHCP support
- No special SW necessary, built-in web server
- The sensing cable can be extended by non-sensing leader cable (2 wires).
- The sensing cable can be fixed in place using clips or adhesive tape
- HWg-WLD signals the following states:
 - 0 = OK
 - 1 = Sensing cable flooded
 - 2 = Sensing cable disconnected
- Water leak or flood alerts can be send by E-mail. The E-mail alerts can be forwarded to a mobile phone as text messages using the Email-2-SMS service.
- Water leak can be signaled by remote relay output on any Poseidon or Damocles device.
- HWg-WLD can be easily mounted on a wall or into a 19” cabinet
- The “**HWg-WLD PoE**” device version can be powered over the Ethernet cable or using a power adapter

HWg-WLD	
• Inputs (zone)	1
• Sensing cable length (max)	85m
• Leader cable length (max)	100m
• Outputs (relay contacts)	-
▪ Remote relay support	Yes
• SNMP, SNMP trap	Yes
• Alarm alert by e-mail	Yes

Parameters	
• Ethernet:	10/100 Mbps
• IP protocols:	ARP, TCP/IP (HTTP, NTP, SMTP), UDP/IP (SNMP) <ul style="list-style-type: none"> ▪ DHCP assignment of IP address ▪ SNMP port 161 (Ver 1.0 / 2.0)
• M2M protocols:	XML(http), SNMP
• Power:	5VDC / 1W (PoE IEEE 802.3af)
• Ambient temperature:	-10°C to +65°C

Accessories



PowerEgg
600 237



Poseidon 3468
600 349



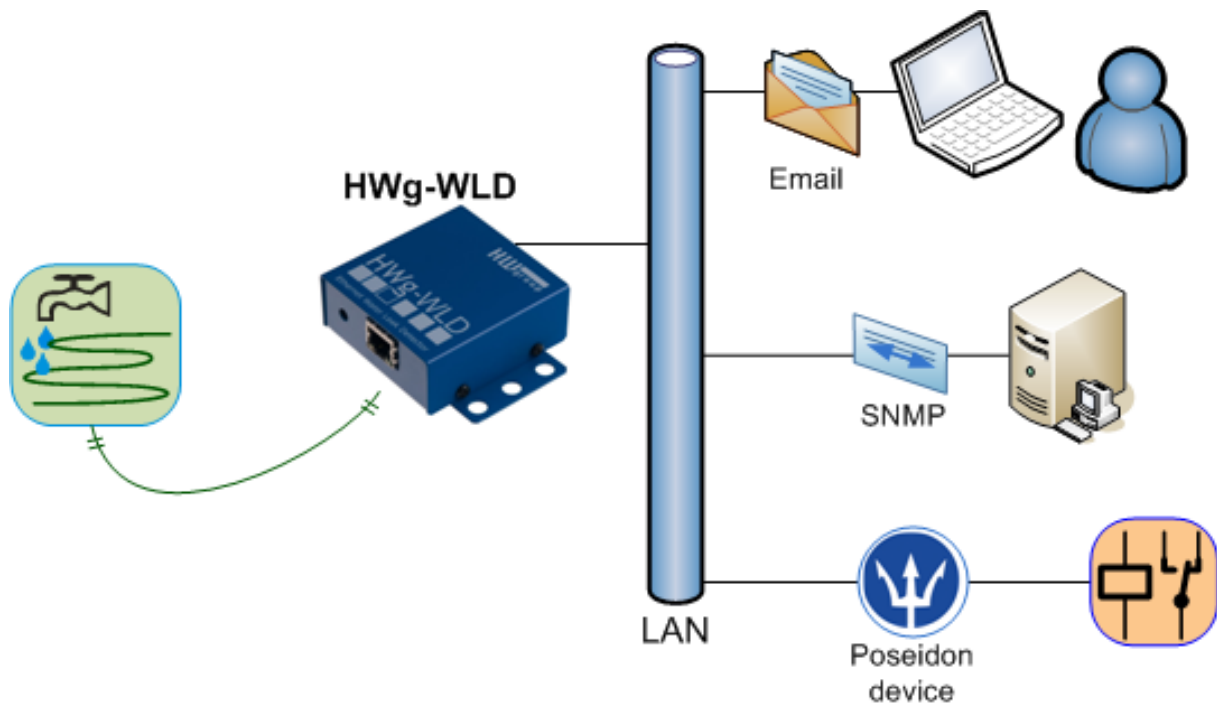
WLD sensing cable A - 2+2m
600 417



Damocles 1208
600 411

600 419	HWg-WLD Water Leak Detector	HWg-WLD Ethernet Water Leak Detector. Complete package with EU wall plug power adapter, CD, 2m leader cable + 0.4m sensing cable.
600 449	HWg-WLD PoE	HWg-WLD PoE – Water Leak Detector powered over Ethernet PoE (IEEE 802.3af). Complete package contains EU Wall plug power adapter, CD, 2m leader cable + 0.4m sensing cable.
600 417	WLD sensing cable A - 2+2m	2+2m Water Leak Detection cable (Type A - white) - total length 4m. CABLE: 2m connection cable + 2m detection cable + Terminator
600 467	WLD sensing cable A - 2+10m	2+10m Water Leak Detection cable (Type A - white) - total length 12m. CABLE: 2m connection cable + 2m detection cable + Terminator
600 349	Poseidon 3468	Poseidon 3468 industrial version features two 110/230VAC relays that can be used to signal water leaks.
600 411	Damocles 1208	Damocles 1208 features 8 outputs (open collector) that can be used to signal water leaks.
600 237	PowerEgg	Controls a 110/230V 8A output – can be connected to all types of low-voltage outputs (Damocles 1208, Poseidon 3268, 4002).

Typical usage



General - Windows Internet Explorer

http://192.168.2.12/

Google

General

HWg-WLD: Water Leak Detector

[Home](#) | [General Setup](#) | [SNMP](#) | [Email](#) | [Time](#) | [Sensors](#) | [Services](#) | [System](#)

General

Base Information	
Device Name	HWg-WLD
Time	16:26:50
Date	12.04.2010

Sensors			
State	Name	Type	Current Value
✓	Sensor	WLD	0 - Normal

HWg-WLD: For more information try www.hw-group.com

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