HWg-WLD
Ethernet-enabled water flood detector

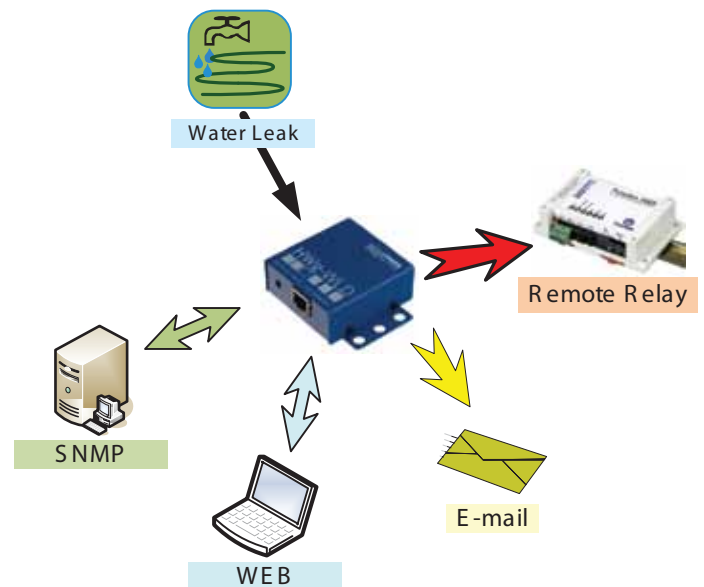The HWg-WLD detects water leaks or floods along the entire length of the sensing rope cable.

The moisture-absorbing sensing cable can be up to 85m long and it can be extended with a regular cable (100m).

The WLD cable detects even a small volume of water, ethylene glycol, or other conductive liquid.

After flooding, the cable can be dried and reused.

HWg-WLD features a built-in web server and SNMP support. In case of an alarm, the device sends a SNMP trap, e-mail and/or SMS (through SMS GW).

Leaks can also activate a remote network-enabled relay (Box-2-Box mode against a Poseidon or Damocles unit).

Applications

- Water detection under raised floors

- Leaky pipe detection (cable wrapped along the pipe)

- Protection against floods from roof lights – sensing cable routed along the walls

- Detection of water leaks in drip trays

- Detection of water leaks under air-conditioning outlets

Water Leak

Remote Relay

SNMP

E-mail

WEB

✔ *Up to 85m water sensing rope cable*

✔ *Up to 100m prolong cable*

✔ *PoE version available*

✔ *Web server*

✔ *SNMP, E-mail alarms*

✔ *SMS GW support*

Basic features

- Simple installation, supports DHCP

- No software necessary, built-in web server

- The WLD (Water Leak Detection) sensing cable (up to 85m) can be extended with a two-wire extension cable (up to 100m) at several places.

- The sensing cable can be fixed using clips or adhesive tape.

- HWg-WLD signals the following states:
  - 0 = OK
  - 1 = Sensing cable flooded
  - 2 = Sensing cable disconnected

- Water leak alarms can be sent by standard e-mail.

- Water leak alarms can be sent as text messages (SMS) using a SMS GW in the network (e.g. Poseidon 4002).

- Detected leaks or WLD cable disconnections can be signaled by activating a relay output at a Poseidon or Damocles unit over the Ethernet. Poseidon 3468 (two relay outputs) can signal leaks detected by two HWg-WLD devices.

- The HWg-WLD can be mounted on a wall or inside a 19"cabinet.

- The HWg-WLD PoE version can be powered over the Ethernet cable (IEEE 802.3af) or with a power adapter.

HWg-WLD

Input (sensing cable)	1
Max. sensing cable length	85m
Max. leader cable length	100m
Outputs (relay contacts)	—
Remote relay support	✔
SNMP, SNMP Trap	✔
Alarm alerts by e-mail	✔

Parameters

Ethernet	10/100 Mbit
IP protocols	ARP, TCP/IP (HTTP, NTP, SMTP) UDP/IP (SNMP)
DHCP for IP assignment	✔
SNMP	Port 161, 162
M2M protocols	XML (http), SNMP
Power	
HWg-STE	5V / 1W
HWg-STE PoE	IEEE 802.3af + 5V/1W

Accessories

J-clips 10 for WLD cable	Poseidon 3468	Water leak extension 2 m	WLD A prolong cable 5 m

HWg-WLD Water detector	HWg-WLD ethernet Water Leak Detector. Complete package with a power adapter, CD, 2m prolong cable + 0.4m sensing rope cable.
HWg-WLD PoE	HWg-WLD PoE – Water leak detector with PoE (IEEE 802.3af) capability. Complete package with a power adapter, CD, 2m prolong cable + 0.4m sensing rope cable.
HWg-WLD Relay	Water Leak Detector with a relay output. Complete package with a power adapter, 2m prolong cable + 2m water sensing rope cable. Can be connected to Poseidon as the 1-Wire UNI sensor.
J-clips 10 for WLD cable	Set of 10 clips for fixing the WLD sensing cable.
WLD sensing cable A - 2+2m	Water Leak Detection cable type A. Total length is 4m: 2m prolong cable + 2m sensing rope cable, terminated.
WLD sensing cable A - 2+10m	Water Leak Detection cable type A. Total length is 12m: 2m prolong cable + 10m sensing rope cable, terminated.
WLD A prolong cable 5 m	5m extension for the WLD sensing cable.
Damocles 1208	Damocles 1208 – 8 outputs can be used to signal water leaks or floods
Poseidon 3468	Poseidon 3468 – 2 relays (110/230VAC) can be used to signal water leaks or floods.