

# HWg-WLD Relay: Water detection

*Water sensing cable (2m) detects water leaks. Relay and 1-Wire UNI outputs (Poseidon).*

**HWg-WLD Relay** detects a water leak anywhere along the length of the connected sensing cable (up to 85m – 280ft).

HWg-WLD Relay is supplied with a 2m (6.5ft) sensing cable. 12V power adapter is sold separately.

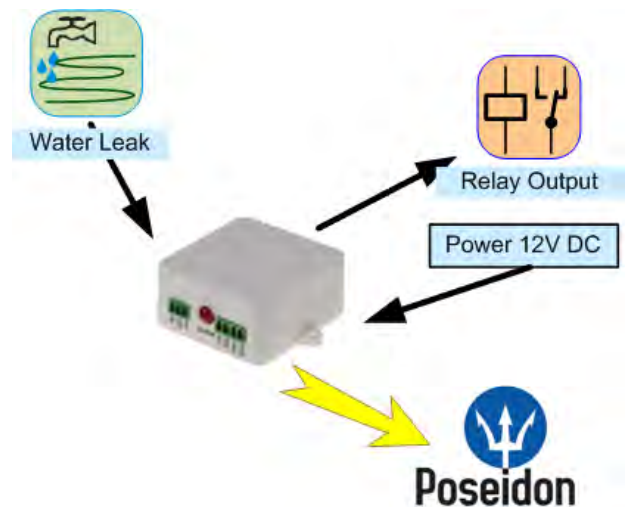
Water leak or cable disconnection is indicated by activating a relay (NO/NC). The sensor can be connected to a Poseidon unit over the 1-Wire UNI bus (RJ11).

HWg-WLD Relay can be installed stand-alone using a 12VDC power supply and a relay output, or as a sensor connected to a Poseidon unit over the 1-Wire UNI bus. Relay outputs indicate a detected water leak or cable disconnection.



## Applications

- Water detection under raised floors
- Water detection above suspended ceilings
- Detection cable laid along the walls
- Detection of water leaks in drip trays
- Detection of water leaks under A/C outlets
- Leaky pipe detection (cable routed along the pipe)



## Sensing cable

HWg-WLD Relay is supplied with 2m (6.5ft) sensing cable and 2m (6.5ft) leader cable.

To detect water leaks or floods, HWg-WLD Relay uses the “WLD sensing cable A” in lengths of 0.4m to 85m (1.3ft to 280ft). The moisture-absorbing sensing cable detects even the smallest volume of water, ethylene glycol, or other conductive liquid.

Water or any other conductive liquid is detected along the entire length of the sensing cable. The sensing cable can be extended with a non-sensing leader cable by 100m (330ft), total cable length will be 185m (610ft). The sensing cable can be dried and reused.

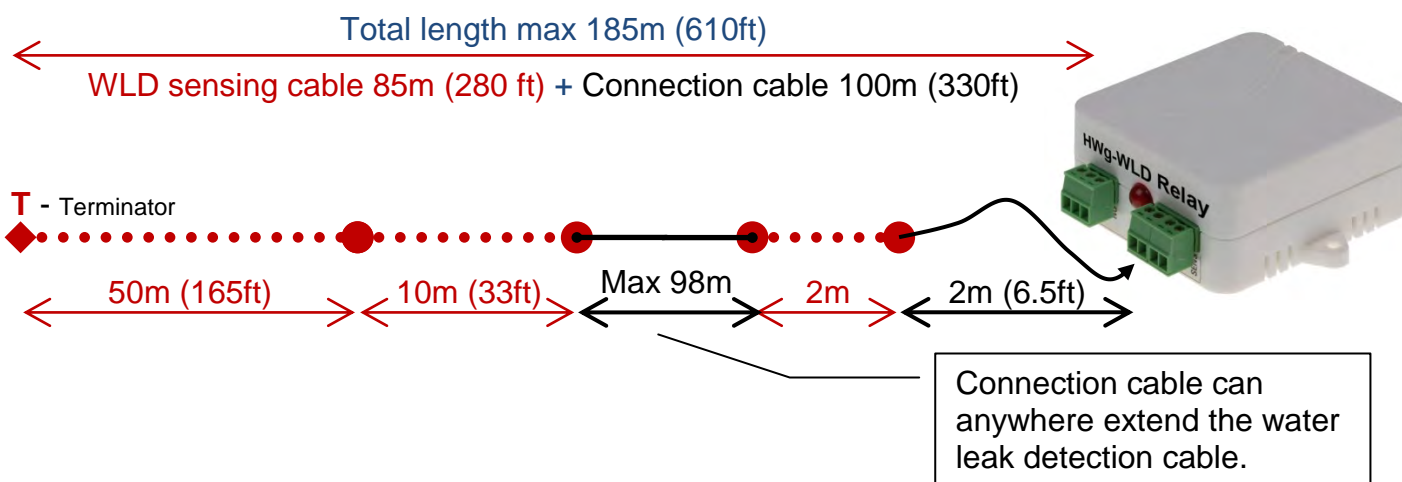
The sensing cable consists of a detecting portion, a leader cable and a terminator at the end. The cable can be extended using two-wire AWG26 or thicker cable.

## Basic features

- The sensing cable can be extended with a two-wire cable (min AWG24).
- The sensing cable can be fixed using clips or adhesive tape.
- Status indication over the **1-Wire UNI bus**:
  - **0** = OK
  - **1** = Sensing cable wet
  - **2** = Sensing cable disconnected
- Status indication using the **relay output**:
  - **open** = OK (or “device power off”)
  - **closed** = sensing cable flooded or disconnected

HWg-WLD Relay	
• <b>Input</b> (sensing cable)	<b>1</b>
• Max. sensing cable length	<b>85m (280ft)</b>
• Max. leader cable length	<b>100m (330ft)</b>
• <b>Relay output</b>	Yes
<b>Power:</b> External 12V / 0.1 A	
• <b>1-Wire UNI bus</b> output:	Yes
<b>Power:</b> from a Poseidon unit	

## Sensing cable extension



## Accessories



**Poseidon 4002**  
600 346



**Poseidon 2250**  
600 183



**Water leak extension 2m**  
600 418



**WLD A connection cable 2m**  
600 464

<a href="#">600 493</a>	<b>HWg-WLD Relay</b>	Water leak detection pack. Includes 2m (6.5ft) sensing cable + 2m (6.5ft) leader cable. Relay or 1-Wire UNI output (Poseidon). 12V power adapter sold separately.
<a href="#">600 476</a>	<b>Sensor WLD Relay 1W-UNI</b>	Water flood detector without the sensing cable. Relay or 1-Wire UNI output (Poseidon).
<a href="#">600 417</a>	<b>WLD sensing cable A – 2+2m</b>	Water leak detection cable. Total length is 4m (13 ft): 2m (6.5ft) leader cable + 2m (6.5ft) sensing cable, terminated.
<a href="#">600 467</a>	<b>WLD sensing cable A – 2+10m</b>	Water leak detection cable. Total length is 12m (39ft): 2m (6.5ft) leader cable + 10m (33ft) sensing cable, terminated.