

# Sensor WLD Relay 1W-UNI

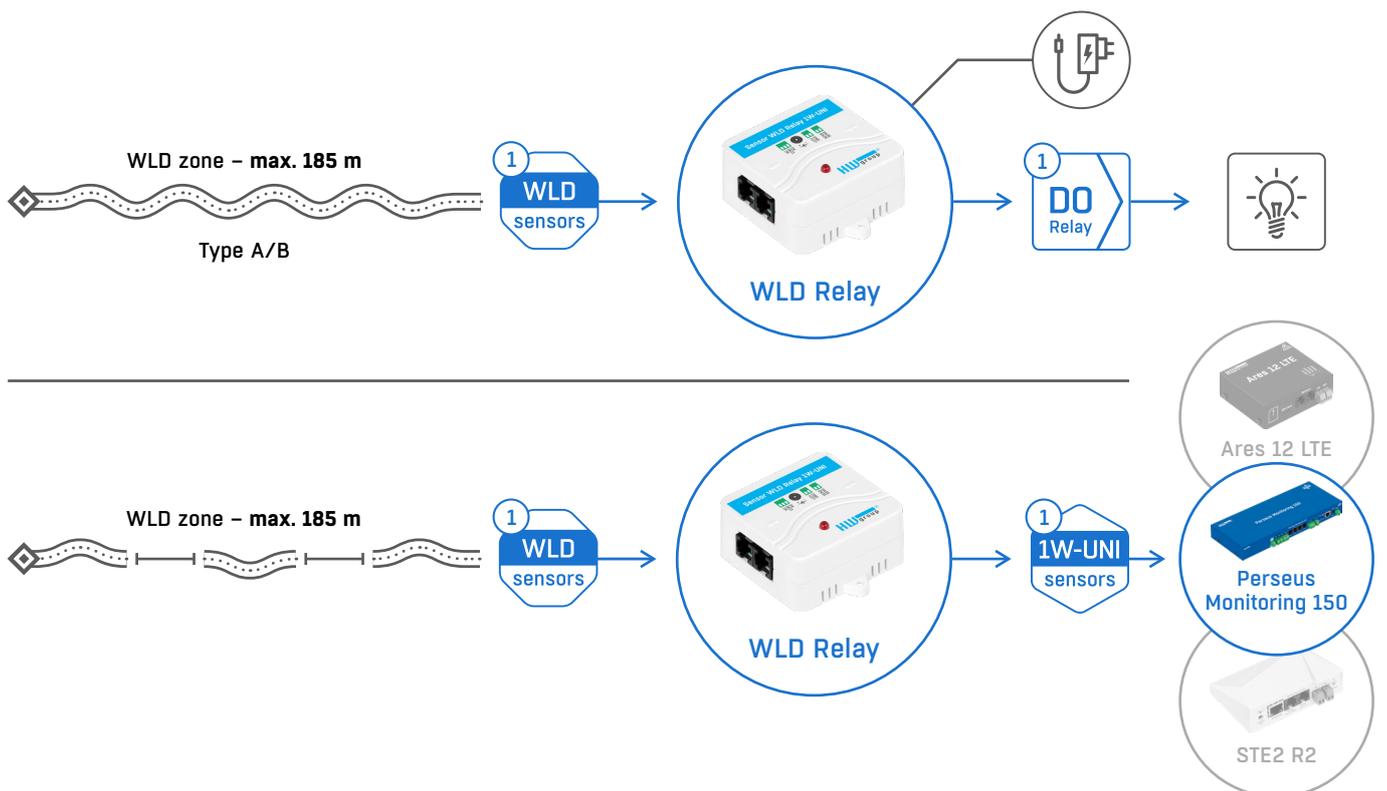
External sensor for connecting WLD water leak sensing cable type A/B. One WLD sensing zone can be connected to 1W-UNI sensor (RJ11) or to any DI input via this WLD Relay device.



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Water Leak Detection zone input
- 
Digital Output relay
- 
1-Wire UNI sensors

Sensor WLD Relay 1W-UNI can be used as a standalone WLD sensor (power + relay output), indicating flooded state or disconnected cable, or as a 1W-UNI sensor connected to any STE2 family, Poseidon2, Ares, Perseus or other HWg device.

One zone of external WLD sensing cable type A/B, with max. length of 185 meters, detects as little as a few drops of a liquid along the entire length of WLD sensing cable. Liquid detection is indicated on the 1W-UNI sensor or by switching of the relay NO/NC output (external power 12V is required). By providing an early detection and warning, Sensor WLD Relay 1W-UNI can prevent damages and avoid the associated costs even at places without Ethernet connectivity. The WLD cable detects even a small volume of water, ethylene glycol or other conductive liquid.



## Basic features

- ✓ Up to 185 meters for WLD zone with sensing cable A or B
- ✓ Simple installation
- ✓ Relay output signaling
- ✓ Can be connected to RJ11 (1WU) bus on HWg device
- ✓ Disconnected WLD sensing cable detection
- ✓ Clips for fixing detection cable
- ✓ Can be connected to your own monitoring system

## Specifications

- The sensing cable can be extended with a two-wire cable (max. 185 m).
- Sensing cable can be splitted into several segments for flood detection in endangered spots only.
- Status indication over the **RJ11 (1WU) bus**:
  - 0 = OK
  - 1 = Sensing cable flooded
  - 2 = Sensing cable disconnected
- Status indication at the **relay output**:
  - open = OK (or "device power off")
  - closed = sensing cable flooded or disconnected



### WLD sensing cable A/B

Water is detected along the entire length of the WLD sensing cable.

### WLD sensing cable is long-term robust solution



#### No twist limit

WLD sensing cable Type A/B can be twisted as any other electrical cable.



#### No bend limit

Not limited by any bending radius. Sensing cable can be knotted and still works properly.



#### No grip limit

Detection functionality is not limited by point pressure within a reasonable range.



#### No reuse limit

Re-usable cable: can be cleaned, dried and reinstalled.

## Typical applications

- Water leak detector for security systems and 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 and under air-conditioning

### Input (sensing cable)

Max. zone length	185 m
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### Powering

Jack	9-15 V / 20 mA
Terminal Block	9-15 V / 20 mA
RJ-11 (from 1-Wire)	5 V / 40 mA
Output	50 V / 1000 mA

## Related products



### WLD sensing cable B – 2+50m

Water leak detection cable in the length of 50 m, supplemented by 2 meters of connecting cable. For use with units Perseus, WLD2, HWg-WLD and Sensor WLD Relay 1W-UNI.



### WLD sensing cable A – 2+10m

Water leak detection cable in the length of 10 m, supplemented by 2 meters of connecting cable. For use with units Perseus, WLD2, HWg-WLD and Sensor WLD Relay 1W-UNI.



### WLD extension cable AB

Prolong non-sensitive cable 5 m for WLD type A/B. Can be extended to up to 100m in total.



### WLD connecting cable AB

Connection cable for connecting WLD device with WLD sensing cable.