




Sensor WLD Relay 1W-UNI

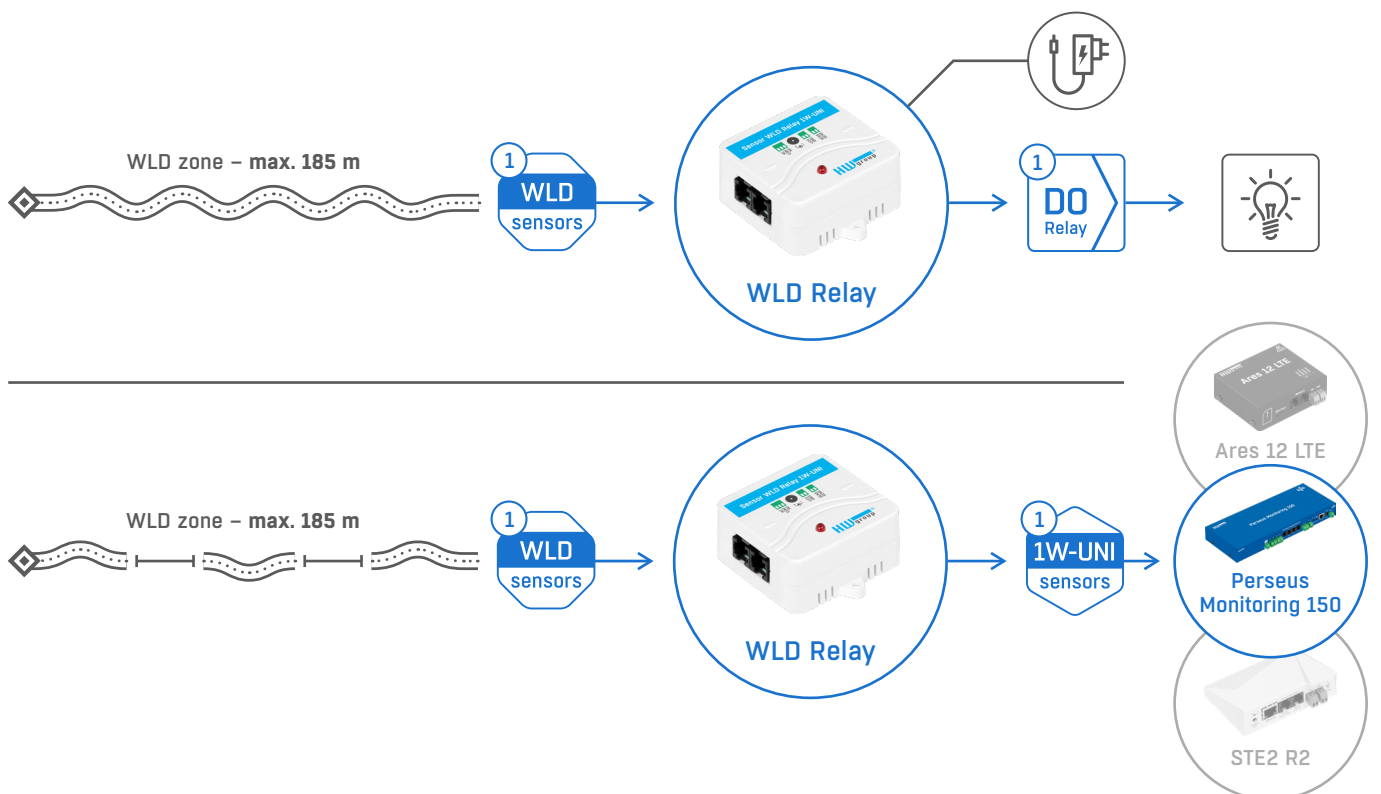
External sensor for connecting WLD water leak sensing cable type A. One WLD sensing zone can be connected to 1W-UNI sensor (RJ11) or to any DI input via this WLD Relay device.



- 
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, 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
- ✓ Simple installation
- ✓ Relay output signaling
- ✓ Can be connected to 1-Wire UNI 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 **1-Wire UNI 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


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

WLD sensing cable is long-term robust solution




Twist

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



Bend

WLD sensing cable Type A is not limited by any bending radius. Sensing cable can be knotted and still works properly.



Grip

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

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

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 A - 2+50m

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



WLD A prolong cable 5 m

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



WLD connection cable A

Connection cable for connecting WLD device with WLD sensing cable.