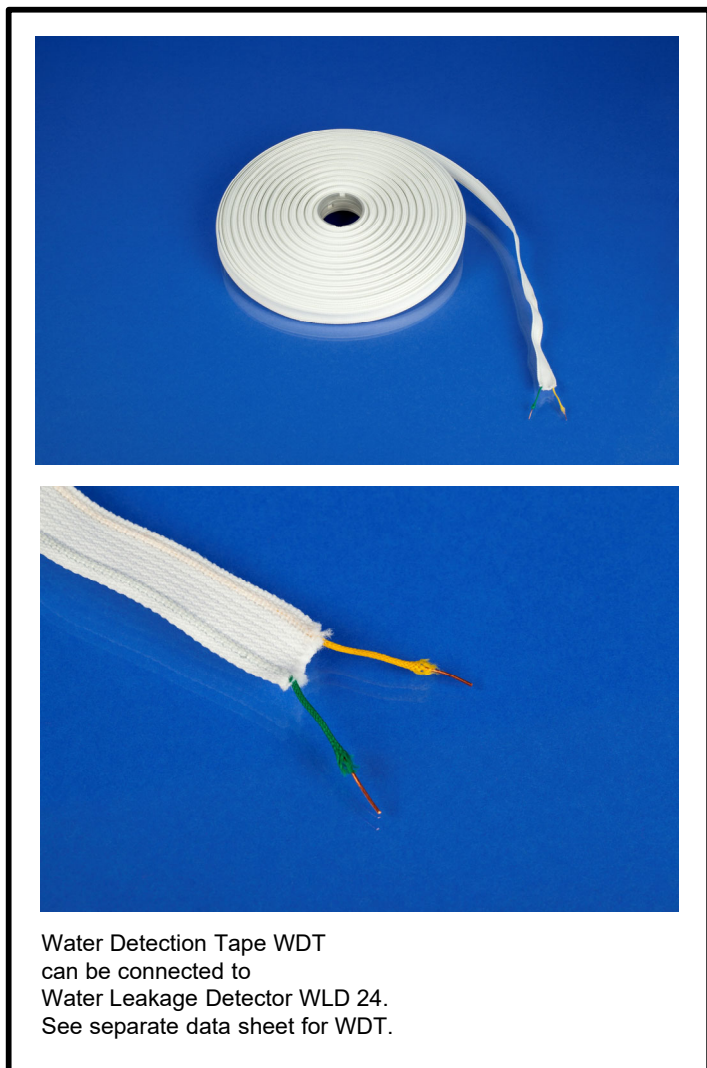




**CE** WLD 24



Water Detection Tape WDT can be connected to Water Leakage Detector WLD 24. See separate data sheet for WDT.

### Features

- Early detection = Early warning
- Detection of water and moisture
- Mounting
  - Directly on floor  
the WLD 24 have 2 sensing parts (electrode extensions) under the unit
  - On the wall with external water detection tape WDT
- Switching output  
Relay 60 V / 1 A, potential free changer
- Power supply 24 Vac/dc
- Sensitivity adjustable via potentiometer
- LED status indication

### Application

- Computer flooring
- Record rooms
- Engineering rooms
- Operating rooms
- Compressor rooms
- District heating pipes
- District cooling pipes
- Insulated piping in district heating chambers
- Rock shelters
- Warehouses.

### Ordering

Type no.	Description
WLD 24	Water Leakage Detector

## Technical data

**Power supply:**

24 Vac/dc +/-10%

**Terminal connection:**

screw clamps max 1.5 mm<sup>2</sup>

**Power consumption:**

20 mA

**Switching output:**

Relay 60 V / 1 A, potential free changer

**Dimensions:**

79x69x56 mm, plus 7 mm height for the electrode extensions and legs/feet

**Material:**

PA6, similar RAL 9010

**Cable gland:**

M16x1.5 for wire diameter 4 to 10 mm

**Environmental conditions:**

-30° to + 70°C, 0 to 98% rH

**Protection class:**

IP65

**Temperature sensor:**

Electrolytic AC measuring

**Sensitivity:**

Adjustable via potentiometer

## Description

The Water Leakage Detector WLD 24 detects conductive liquids which is making it ideal for monitoring leakage and moisture content and to prevent or minimize water damages.

The main applications are in the building and climate technology.

Water Leakage Detector WLD 24 can be used together with Water Detection Tape WDT .

Water Leakage Detector WLD 24 can also be used as stand alone.

The measuring procedure via electrolytic AC voltage allows the Water Leakage Detector WLD 24 to detect various kinds of conductive liquids.

With the passive potentiometer the circuit sensitivity can be adjusted optimally to the required field of application.

Water Leakage Detector WLD 24 have relay output. The relay output for Water Leakage Detector WLD 24 provides an alarm signal for connection to a BMS controller or remote alarm annunciation panel.

The setting of the relay is manually adjustable via a DIP-Switch, designed as an inherent part of Water Leakage Detector WLD 24.

Water Leakage Detector WLD 24 can be mounted direct on floor to sense water and moisture with the electrode extensions (the sensing parts) under the unit or mounted on the wall with the external Water Detection Tape WDT.

Power supply for Water Leakage Detector WLD 24 is 24 Vac/dc.

The Water Detection Tape WDT is made of texturized stockinet-knitted polyester in which parallel uninsulated wires of soft annealed copper are woven.

The Water Detection Tape WDT indicating the presence of moisture or water/liquid between the wires.

The Water Leakage Detector WLD 24 is tested by placing a wet finger on the electrode extensions (the sensing parts) under the unit.

Testing of the Water Leakage Detector WLD 24 together with the Water Detection Tape WDT is made by placing a wet finger at the end of the wires of the Water Detection Tape WDT.

The LED in the cover (lid) on Water Leakage Detectors WLD 24 will light when the relay output will be activated.

Water Leakage Detector WLD 24 senses the change in conductivity when moisture or water is in contact with the electrode extensions (the sensing parts) under the unit and when moisture or water is in contact with the external Water Detection Tape WDT.

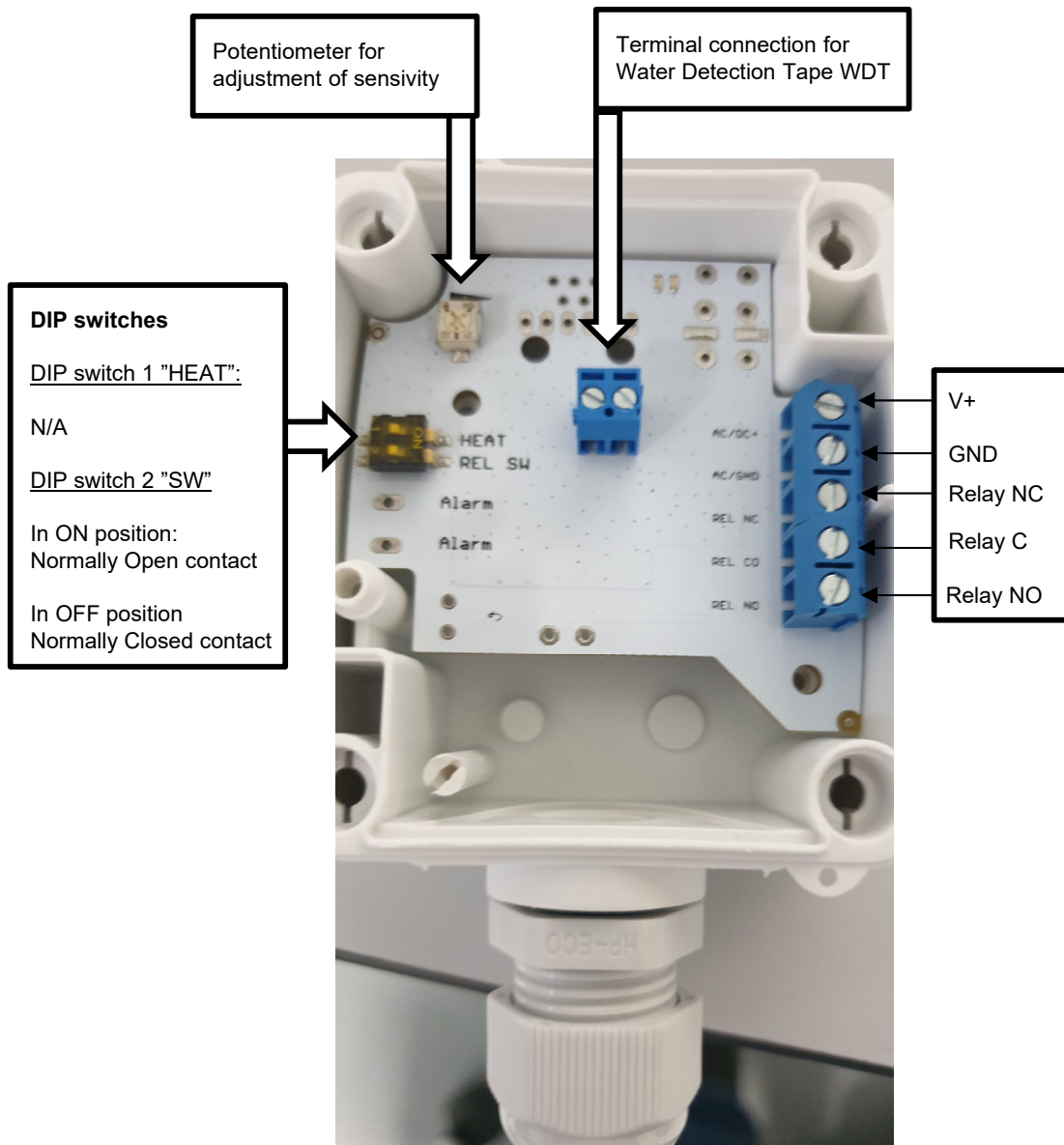
When moisture or water disappear, the Water Leakage Detector WLD 24 will be reset by automatic.

More details about Water Detection Tape WDT in separate data sheet.



**2 sensing parts (electrode extensions)  
under the WLD 24 unit for detection of  
water and moisture**

**Connections**



We reserve the right to make changes in our products without any notice which may effect the accuracy of the information contained in this leaflet.