

# Water leakage detection system - System overview



- Easy and quick installation, modular principle
- Visual and acoustic alarm signal, galvanically isolated indicator relay
- Durable and reliable

Water leak monitoring in buildings with sensitive electric and electronic equipment or valuables is today an elementary part of building supervision and guarding. If the recommendations in the "IT-Grundschutz" (information security) catalogue are followed, server rooms can be monitored reliably for the detection of water leaks in the cooling systems. The BARTEC water leakage detection systems are used for the surveillance of rooms, piping and individual items. Each leakage is detected and reported directly in the building surveillance. This ensures that the location of the leakage can be found quickly so that countermeasures can be introduced immediately. The sensor cable and point sensors can be combined at will. The monitoring electronics are available without locating or with a metre accuracy locating function. System calibration is not required. In addition, a line-break monitoring is integrated into each system.

## Fields of application

Computer centres, telephone exchanges, libraries, museums, archives, book stores, clean air rooms, air-conditioning and heating centres, etc.

- Surfaces:  
double floors above or below computer equipment
- Piping:  
heating cables, process cables
- Individual:  
items drip pans

## System components

- Sensor:  
SCR sensor cable, PS, PSO+ and PSO Point Sensor
- Monitoring:  
RLA<sup>net</sup> with locating for installation in the control cabinet or as a wall-mounted enclosure;  
RDW 03 without locating as a wall-mounted enclosure;  
RDA 01 without locating for installation in the control cabinet

## Conductive measurement principle

The BARTEC water leakage detection systems detect leakages of electrically conductive liquids quickly and reliably. The measuring circuits work with AC voltage, which allows a permanent avoidance of galvanic processes at the electrodes.

## Optical measurement principle

The PSO+ and PSO Point Sensor detect also electrically non-conductive liquids.

