

# Conductivity water sensor

## WaterSensor con



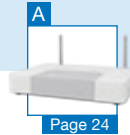
- Flexible location-independent use anywhere in buildings
- Wireless operation (photovoltaic cell or battery)
- Radio transmission, cyclically (function check) and in the case of state transitions



Page 8



Page 23



Page 24



**Application** For the detection of accumulations of conductive liquids and water leaks at defined horizontal surfaces or positions (e.g. below pipes, fittings and in the area of washing machines in basements or utility rooms; below bath tubs or dishwashers in flats). Especially suitable for water, not suitable for corrosive or adhesive media.

**Description** WaterSensor con features a conductivity sensor at the bottom. The energy required to transmit an EnOcean® telegram is generated by means of an integrated photovoltaic cell; it is also possible to use a battery in dark rooms. WaterSensor con cyclically transmits the actual ambient temperature and the logical state of the conductivity sensor (conductive liquid present or not present) and also sends a telegram when the state changes via the integrated EnOcean® wireless module to WaterControl 01 or to the AFRISO Gateway.

WaterControl 01 can close the water pipe in response to an event message to keep further water from escaping. The AFRISO Gateway transmits alarm messages and status messages via WLAN, LAN and GSM to the person in charge (for example, to the owner, the facility manager, the janitor or other configured contacts); the message includes information on which water sensor has signalled the state transition.

The AFRISO Gateway in conjunction with additional AFRISO products with EnOcean® wireless technology allows the user to configure a whole range of fully customisable, extensible applications.

### Technical specifications

#### Operating temperature range

Ambient: 0/40 °C  
Storage: -20/+60 °C  
Medium: 0/60 °C

#### Response level

0.5 mm

#### Temperature measuring range

Measuring range: 0/40 °C  
Accuracy: ±1 K

#### Supply voltage

Energy harvesting (via photovoltaic cell) or ½ AA lithium battery, DC 3.6 V (with daylight less than 200 lx)

#### Housing

Plastic housing (PC)  
WxHxD: 55 x 50 x 42 mm  
Weight: 47 g  
Degree of protection: IP 42 (EN 60529)

#### EnOcean® wireless

Frequency: 868.3 MHz  
Transmission power: Max. 10 mW  
Transmission cycle: 2.5 minutes  
Range: 10 to 30 m (depending on room arrangement and materials in the building)

#### Scope of delivery

- WaterSensor con
- No battery

#### Necessary additional components

- WaterControl 01 and/or
- AFRISO Gateway

### i

See operating instructions for detailed information on the range of the EnOcean® wireless module.

DG: G	Part no.	Price €
<b>WaterSensor con</b>	<b>78146</b>	
Accessories		
<b>½ AA lithium battery</b>	<b>78100</b>	