conductivity water sensor

benefits

- no cables required (operation via photovoltaic cell or battery)
- shapely probe for use in living spaces, kitchens or business rooms
- additional temperature measurement
- EnOcean® wireless technology

Application

For the detection of accumulations of water at defined horizontal surfaces or positions (e.g. in the area of fittings washing machines, coffee makers with water connection, etc.). Suitable for water.

Description

WaterSensor con features a conductivity sensor at the bottom. The energy required to send an EnOcean® telegram is generated by means of an integrated photovoltaic cell. An optional battery can be used for application in darker rooms. An extension cable is available for separate mounting of sensor and wireless transmitter. 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 the water valve WaterControl 01 or to the AFRISOhome gateway. WaterControl 01 can close the water pipe in response to an event message to keep further water from escaping. The AFRISOhome gateway transmits alarm messages and status messages via WLAN or LAN 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 AFRISOhome gateway in conjunction with additional AFRISO smart home 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: 1/60 °C

Response level
0.5 mm

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

Supply voltage
Energy harvesting (via photovoltaic cell)
1 x 3.6 V 1/2 AA lithium battery
(at daylight of less than 200 lx)

Housing
plastic housing (PC)
Colour: white, similar to RAL 9003
W x H x D: 55 x 50 x 42 mm
Degree of protection: IP 42 (EN 60529)

EnOcean® wireless
EEP: A5-30-03
Frequency: 868.3 MHz
Transmission power: max. 10 mW
Range: 10 – 30 m
Range: depending on room arrangement and materials in the building

Scope of delivery
- WaterSensor con
- without battery

necessary additional components
- WaterControl 01 and/or
- Indoor siren AIS 10 and/or
- AFRISOhome gateway

Versions

		Part no.
water sensor WaterSensor con	●	78146

● in-stock items

○ Non-stock items