water sensor WaterSensor eco

Part no. 55080

mechanical water sensor

benefits

- flexible location-independent use anywhere in buildings
- no battery, no cables required
- wireless transmission without power supply in the case of state transitions
- EnOcean® wireless technology
- EEP (EnOcean® Equipment Profile): F6-05-01

Application

For the detection of accumulations of water at defined horizontal surfaces or positions (e.g. below pipes, fittings and in the area of washing machines, below bath tubs or dishwashers, in utility rooms or basements). Suitable for water.

Description

WaterSensor eco is equipped with fibre disks that work as a sensor; it does not require an additional power supply. In the case of a leak, the fibre disks expand and generate the required power to send the event message to WaterControl or to the AFRISOhome gateway. The event message is sent when the fibre disks expand or shrink. WaterControl can be used, for example, to shut off the water pipe to keep further water from escaping. The AFRISOhome gateway transmits alarm messages and state transition 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 WaterSensor eco 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: -25/+65 °C
Storage: -25/+65 °C
Medium: 1/65 °C

Response level
1.5 mm

Response delay
< 6 minutes (for the first 5 expansion processes)

Supply voltage
Energy harvesting (via fibre disks)

Housing
plastic housing (PC)
Colour: white, similar to RAL 9003
W x H x D: 80 x 55 x 30 mm
Weight: 66 g
Degree of protection: IP 43 (EN 60529)

EnOcean® wireless
EEP: F6-05-01
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 eco
- adhesive tape

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

Versions

		Part no.
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● in-stock items

○ Non-stock items