Mechanical water sensor
WaterSensor eco

- **Flexible location-independent use anywhere in buildings**
- **No battery, no cables required**
- **Wireless transmission without power supply in the case of state transitions**

A	A	A
Page 98	Page 119	Page 120

Battery-less sensor system: Fibre disks generate the energy to signal events

5

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 01 or to the AFRISOhome gateway. The event message is sent when the fibre disks expand or shrink.

WaterControl 01 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, 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 WaterSensor eco has signalled the state transition. The AFRISOhome 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: -25/+65 °C
Storage: -25/+65 °C
Medium: 1/65 °C

Response level
1.5 mm

Response delay
< 6 min (first 5 responses)
up to 1 hour (6th to 10th response)

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

Scope of delivery
- WaterSensor eco
- Adhesive tape

Necessary additional components
- WaterControl 01 and/or
- AFRISOhome gateway

i

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

DG: L, PG: 4		Part no.	**Price €**
Water sensor WaterSensor eco		55080	