



LeaksProtect

1. FEATURES

Wireless LeaksProtect flood detector is designed to detect water leakage.

2. SPECIFICATIONS

SPECIFICATION	MEANING
Detector type	Wireless
Use	Indoor
Radio signal power	20 mW
Communication protocol	Jeweller (868 or 915 MHz depending on the country of distribution)
Maximum distance between detector and central unit	Up to 1,000 m (3,300 ft) (in open area)
Polling interval	3 min
Transmission of alarm after detection	Immediately
Battery type	2 AAA
Power supply voltage	3V
Battery life	Up to 5 years
Operating temperature range	From 0°C (+32°F) to +50°C (+122°F)
Tamper protection	Available
Alarm for detector's displacement	Available
Operating humidity	Up to 100%
Ingress protection	IP65
Dimensions	56x56x14 mm

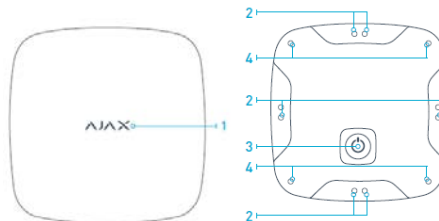
3. PACKAGE CONTENTS

Flood detector, manual, 2 batteries AAA (pre-installed)

4. GETTING STARTED

4.1 Before installing the detector it is required to register it in Ajax security system. To register detector, Ajax security system receiving device must be set in "Add Device" mode (refer to receiving unit user's manual) and switch on the detector with the power button "3" (PICTURE 1) (the detector is switched on/off by holding down the power button for three seconds). When switching on, detector will blink with a green light. Request for registration is transmitted only when sensor is switching on! If sensor registration in the security system for whatever reason did not take place, LeaksProtect blinks 6 times once every second with green light, then switches off automatically (quickly blinking 3 times with red light). After that sensor can be switched on again. If LeaksProtect has been removed from registered devices list in security system, it also blinks 6 times with a green LED and switches off automatically (quickly blinking 3 times with red light). Flood sensor

always works in the active mode, when using it with third party central unit (panel), it is desirable to place detector in a constantly active 24-hour security zone!



PICTURE 1. LeaksProtect Flood sensor

- 1 – light
- 2 – water sensor contacts
- 3 – power button
- 4 – fixing screws

4.2 After successful sensor registration select optimal location for its installation.

IMPORTANT! Make sure that in the installation location sensor has a stable radio contact with the receiver! A maximum distance of 1000 m (3300 ft) between the sensor and the receiver is mentioned as a comparison with other devices. This distance was found as a result of open area tests. Connection quality and distance between the sensor and the receiver can vary depending on installation location, walls, compartments, bridgings, as well as the thickness and constructional material. Signal coming through the obstacles, loses power. For example, distance range between the sensor and receiver, divided with two reinforced concrete bearing walls, constitutes approximately 30 m (98 ft). Please note that moving the sensor even 10 cm (4 in), it is possible to improve the signal reception considerably.

Before installation make sure to check the signal level test in the place where you intend to install the sensor! It is possible to launch a signal strength test on the receiver's side. Test launching is described in the receiver's manual.

RECEIVER	SENSOR'S LIGHT	DESCRIPTION
3 indication bars	lights almost constantly, with short breaks every 1.5 seconds	excellent signal level
2 indication bars	blinks 5 times per second	medium signal level
1 indication bar	blinks twice per second	bad signal level
0 bars	short flashes each 1.5 seconds	no signal

For reliable sensor operation the signal should be no worse than of medium level!

IMPORTANT! Radio communication tests don't start immediately. Some time up to 5 minutes is needed for receiving device to send a test request to the sensor, and the sensor has sent confirmation of its readiness to be tested. To speed up test run you can cause "detector movement alert" having slightly pushed sensor. At this it must switch on green light for 1 second.

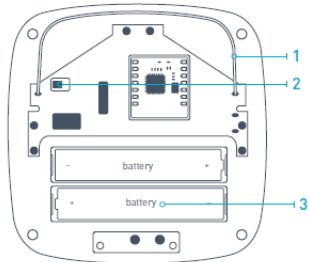
5. INSTALLATION

5.1 Detector should be placed in areas of possible water leakage from the water supply, heating or sewerage: on the floor under bathroom, under sink, a washing machine, etc. If water ingresses on contacts "2" (PICTURE 1) placed on the sensor's back side, sensor immediately transfers an alarm to receiving unit. To activate alarm it is enough water (liquid) detection on at least at one pair of contacts. It is recommended to check sensor functioning in the proposed place of installation!

5.2. To check the flood sensor, place it in proposed installation location and touch two sensor contacts "2" (FIG. 1) with wet objects - cloth, wet finger, or just pour a little water on the floor and place flood sensor on top of it. When water is detected, the sensor switches on a red light for 1 sec.

After sensor checking, wipe the contacts with a dry cloth and then put sensor. When removing flood alarm the sensor also switches on a red LED for 1 sec.

IMPORTANT! The sensor detects flood on resistance presence between its contacts. Sometimes it may visually appear that sensor contacts are dry, but sensor alarms. It is because periodically soapy water may drop on sensor contacts, and thin film is formed between contacts (it may not be visually noticed). This film has a certain resistance to current and will cause a false flood detection. If this happens, simply wipe dry a sensor bottom surface between contacts and contacts themselves. False alarm will stop.



PICTURE 2.
View of flood sensor with removed cover

- 1 – antenna
- 2 – tamper button
- 3 – AAA batteries

IMPORTANT! Do not install sensor:

- near metal objects, causing radio signal attenuation, or shielding from it;
- on the street outside premises and in premises with a temperature above limits specified.

5.3 Small flood sensor is not rigidly fixed at the installation place. Therefore, it can be accidentally moved by catching it with foot. Sensor can be displaced by pets or children. As a result of the displacement communication with receiving device may be disturbed or sensor will be removed from place of a possible flood. It will not allow the sensor to perform its functions. To avoid sensor displacement, it is equipped with accelerometer. In any attempt to change sensor position the built-in accelerometer is activated, at this green LED lights on the sensor for 1 sec, and a message about location change is transferred to receiving device - it allows returning flood sensor on place of a permanent installation in time. In addition, sensor is provided with tamper button inside (FIG. 2), which signals on sensor top cover removal, at this sensor switches on a green LED for 1 sec and receiving device transfers an alarm message.

6. MAINTENANCE

6.1 Once in 6 months it is necessary to clean the sensor body from dust, cobwebs and other dirtying.

6.2 Don't wipe sensor with substances containing alcohol, acetone, benzene and other active solvents.

6.3 Replace the batteries with new ones in time. When discharging, the battery sensor sends a corresponding signal to the central alarm unit. When battery is low, sensor lights and slowly extinguishes green LED every hour and at any triggering. To replace the batteries unscrew four screws "4" (FIG. 1) at the corners of the body and remove top cover of the sensor. Replace the batteries "3" (PICTURE 2) with new ones of AAA type, complying with correct polarity.

IMPORTANT! Sensor off-line operation duration depends on batteries quality. On the average, the batteries will work for approximately 5 years.

7. WARRANTY

7.1 Warranty period of the sensor is 24 months. The guarantee does not apply to the battery!