LeaksProtect

1. FEATURES

Wireless LeaksProtect flood detector is designed to detect water leakage.

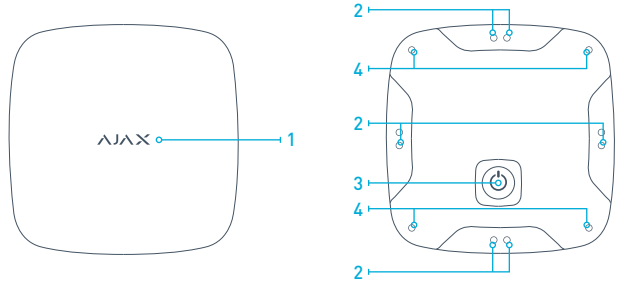
2. SPECIFICATIONS

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
Operating humidity	Up to 100%
Ingress protection	IP65
Dimensions	60x60x14 mm

3. PACKAGE CONTENTS

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

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), than switch on the detector with the power button «3» (PIC. 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 detector is switching on! If detector 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 detector 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 light and switches off automatically (quickly blinking 3 times with red light). Flood detector always works in the active mode, when using it with third party central unit (panel), it is recommended to place detector in a constantly active 24-hour security zone!



PICTURE 1. LeaksProtect flood detector

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

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

⚠ IMPORTANT!
Make sure that in the installation location detector has a stable radio contact with the receiver! A maximum distance of 1000 m (3300 ft) between the detector 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 detector 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 detector and receiver, divided with two reinforced concrete bearing walls, constitutes approximately 30 m (98 ft). Please note that moving the detector even 10 cm (4 in), it is possible to improve the signal reception considerably.

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

RECEIVER	DETECTOR'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 radio connection the signal should be no worse than of medium level!

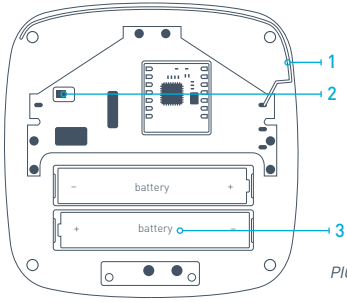
5. INSTALLATION

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 detector's back side, detector 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 detector functioning in the place of installation!

5.2. To check the flood detector, place it in installation location and touch two sensor contacts «2» (PIC. 1) with wet object - cloth, wet finger, or just pour a little water on the floor and place flood detector on top of it. When water is detected, the LeaksProtect switches on a red light for 1 second.

After detector checking, wipe the contacts with a dry cloth and then put detector on it's installation place. When flood no longer detected the detector also switches on a red light for 1 second.

⚠ IMPORTANT!
LeaksProtect detects water by measuring resistance between its contacts. Sometimes it may visually appear that detector contacts are dry, but detector alarms. It can happen if soapy water was splashed onto detector contacts, and thin film is formed between contacts (it may not be visually noticed). This film can cause a false flood detection. If this happens, simply wipe dry a detector bottom surface between contacts and contacts themselves. False alarm will stop.



1 – antenna
2 – tamper button
3 – AAA batteries

PICTURE 2. View of flood detector with removed cover

⚠ IMPORTANT!
Do not install detector:
- near metal objects, causing radio signal attenuation, or shielding from it;
- outdoor and in premises with a temperature above limits specified.

6. MAINTENANCE

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

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

6.3 Replace the batteries with new ones in time. When discharging, the battery detector sends a corresponding signal to the central alarm unit (panel). When battery is low, detector switch on and slowly switch off green light every hour and at any triggering. To replace the batteries unscrew four screws «4» (PIC. 1) at the corners of the body and remove top cover of the detector. Replace the batteries «3» (PIC. 2) with new ones of AAA type, complying with correct polarity.

⚠ IMPORTANT!
Detector's batteries operation duration depends on their quality. On the average, the batteries will work for approximately 5 years.

7. WARRANTY

7.1 Warranty period of the detector is 24 months. The warranty does not apply to the batteries.

AJAX Systems Inc.,
www.ajax.systems
support@ajax.systems