UPROX Water Manual

Wireless Leak Detector for Residential & Industrial Premises

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1. Description

The UPROX Water is a digital wireless leak detector designed to monitor the presence of water and to transmit alerts directly to the UPROX MPX security center. Intended for indoor use, the sensor does not require permanent mounting—simply place it near areas prone to water leaks (e.g., under a washing machine, near a dishwasher, or in a bathroom).

WARNING: RISK OF EXPLOSION IF BATTERIES ARE REPLACED WITH AN INCORRECT TYPE. Dispose of used batteries according to national regulations.

The device works exclusively with the UPROX MPX system and is configured via the UPROX Installer mobile application.

2. Features

Wireless Communication:

- Operates on 868.0–868.6 MHz with multiple channels for redundancy.
- Effective range up to 2000 m in open space.

Leak Detection:

- Equipped with two independently configurable water leak sensors.
- An alarm is triggered when both sensors detect water.

Builtin Accelerometer:

- Detects overturning or improper installation, triggering an alert if necessary.

Power Supply:

- Powered by two AAA (LR03) batteries with up to 5 years of service life.
- Battery consumption: ≤5 µA in standby and ≤50 mA during transmission.

Design:

- Sealed, hermetically protected case with an IP65 rating.
- Available in white or black.

Dimensions and Weight:

- 67.5 × 67 × 18 mm; Weight: 55 grams.

Operating Temperature: From −10°C to +55°C.

Additional Features:

- Builtin temperature sensor.
- LED indicator displays connectivity status (green = excellent; yellow = satisfactory; red = poor; fast blinking red = no connection).

3. Functional Parts

Top View: Shows the sensor's design and placement of the LED indicator.

LED Indicator: Provides visual feedback of connectivity and operating status.

Bottom View: Displays the sensor contacts and overall design.

On/Off Button: Used to power the sensor on and off.

Sensor Contacts: Interface points for the two leak detection sensors.

4. Operating Modes

Normal (Standby) Mode:

- The sensor continuously monitors for water leaks while consuming minimal power.

Alarm Mode:

- When both leak sensors detect water, the sensor transmits an alarm signal to the UPROX MPX security center.

Test Mode:

- For commissioning and troubleshooting, the sensor can be placed in test mode (via the UPROX Installer app) to verify connectivity and sensor response.

5. Installation and Placement

Selecting the Installation Location

Place the sensor near potential water leak sources (e.g., under appliances or near plumbing). Ensure the sensor is indoors and away from extreme moisture or temperatures. Avoid locations with high radio interference or where nearby objects (e.g., metal or mirrors) may block the signal.

Installation

- **Drop-and-Play Installation:** The UPROX Water sensor is designed for drop-and-play installation; no permanent mounting is required.
- Simply place the sensor on a flat, horizontal surface in the selected area.
- Ensure the sensor is oriented correctly so that its builtin accelerometer can detect any overturning.

6. Registration and Configuration

Proximity Registration: Position the sensor within 2 m of the UPROX MPX security center.

Using the UPROX Installer App:

- Launch the UPROX Installer mobile application.
- Follow the onscreen instructions to register the sensor. Registration should complete within 10–20 seconds.

Configuration:

- Set up sensor sensitivity.
- Test the connection and verify the LED indicator status:
  - Green: Excellent connection.
  - Yellow: Satisfactory connection.
  - Red: Poor connection.
  - Fast blinking red: No connection.
- The sensor will then be integrated into the UPROX MPX system for automatic water leak monitoring.

7. Operation

Activation: To activate the sensor, press the on/off button. The LED indicator will light up to indicate standby mode.

Alarm Condition: When both leak sensors detect water, an alarm signal is transmitted to the security center. If the sensor is improperly placed or overturned, the accelerometer triggers an alert.

Deactivation: To turn the sensor off, press and hold the on/off button for 5 seconds until the LED indicator goes off.

Test Mode: Use the UPROX Installer app to run a connectivity test. The sensor will temporarily transmit at medium power, and the LED indicator will show the connection quality.

8. Compatibility

The UPROX Water is designed to work exclusively with the UPROX MPX security system. It is compatible with control panels and signal range extenders such as MP WiFi Center, MP Center, MPX G, MPX L, MPX LE, Extender, and Extender Plus. This enables seamless integration into an existing security system.

9. Battery Replacement

WARNING: Only use the recommended AAA (LR03) batteries. Incorrect batteries may damage the device.

- Remove the screws from the rear of the sensor case.
- Carefully remove the top cover without damaging the silicone seal.
- Replace the two AAA batteries with new ones, ensuring the correct polarity.
- Reassemble the sensor and verify that the LED indicator confirms proper operation.

- Dispose of used batteries in accordance with national regulations.

10. Warranty

The warranty for UPROX Water is valid for two years from the purchase date (excluding batteries). If the device operates incorrectly, please contact **support@u-prox.systems** for assistance. Many issues can be resolved remotely through our technical support team.

11. Manufacturer Contact

For further assistance, please contact the manufacturer using the following information:

Phone: +38 (091) 481-01-69
E-mail: **support@u-prox.systems**
Website: **www.u-prox.systems**

12. Scope of Delivery

The complete package includes:

- UPROX Water Sensor
- Two AAA (LR03) Batteries
- Quick Start Guide