ST201 Flood Detector

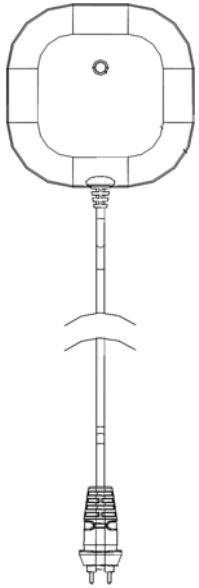
Installation Instructions

General Introduction

The ST201 Flood Detector is designed to sense the presence of water in basements, garage and many others residential and commercial applications, providing early warning of developing floods. It has great compatibility with our U-Net family security products for VIAS system.

Product Layout

The Flood Detector consists of a sensor probe connected to a main unit through a 3m long cable.



Main unit

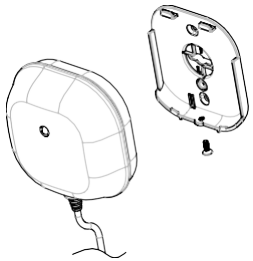
LED

Sensor probe

Probe tip

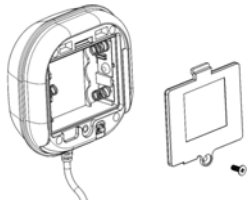
Binding with VIAS

1. Unscrew the screw from the bottom edge of the main unit. Then detach the back mounting plate by sliding it downwards.



Back mounting plate

2. Remove the battery cover by removing its screw.



Battery cover

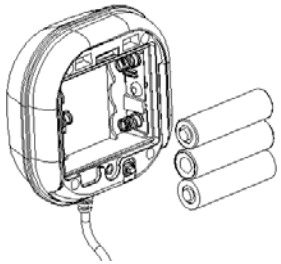
Prepare three AA1.5V batteries. Do not insert them into the unit yet.

3. Login to VIAS account from the APP.

4. Enter the panel main page from gateway list, open the left menu list, and select “System Setup”, then choose “Add Device”.

5. Select “Flood Detector” to start the binding.

6. Insert the batteries with correct polarity at this point. The device can be enter auto-binding when first powered on.



7. The APP wizard will appear if the process is successful.
8. Time-out will occur if the binding process was unsuccessful. Please refer to the Manual Binding procedure in the Troubleshooting section.

Testing

1. Prepare a glass of water and dip the tip of the sensor probe into the water.
2. The gateway will then register a flood event and a notification will be sent to the smartphone App.
3. If the test is unsuccessful, please refer to the troubleshooting section.
4. Attach back the battery cover and screw it tight.

Mounting the ST201

A clean smooth surface is required to securely mount the Flood Detector. The main unit should be placed as high up as possible on the wall to improve communication and prevent from coming into contact with water in case of flood.
The tip of the sensor probe should be mounted at a height from the floor at which the probe is intended to detect the flood level.

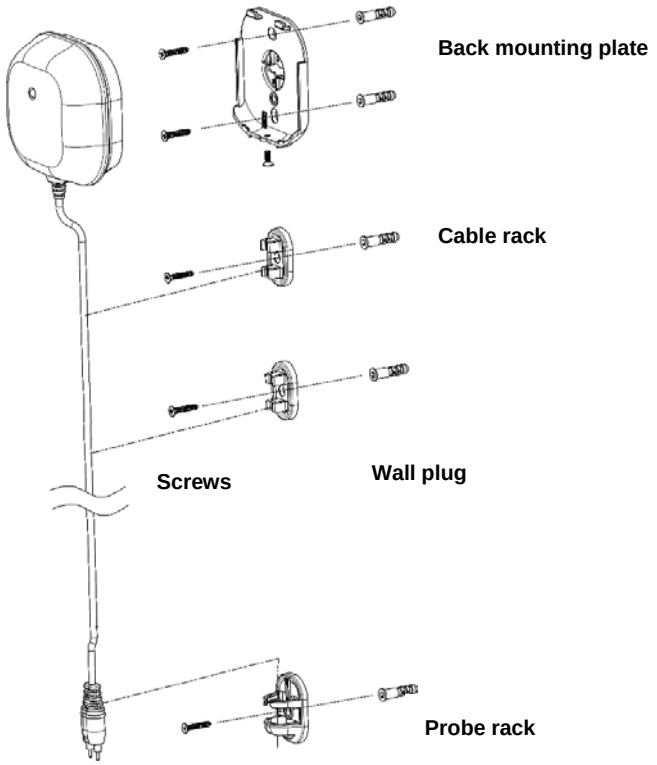
As shown below, secure the flood detector in place using the supplied cable racks and probe racks which first are drilled into the wall.

Maintenance

Do not immerse this unit in water or any other liquid, only the sensor probe can enter in contact with liquids.

Low Battery: When the battery becomes low, the detector will report back to the gateway and the App will indicate low battery on the device. When this happens, replace the batteries at once.

Installation location is applicable in wide ranges from basement, water sink, refrigerator, etc.



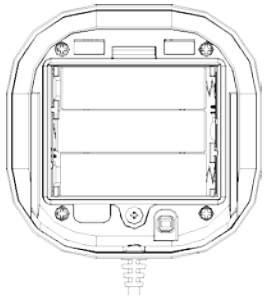
Troubleshooting

The troubleshooting table lists some possible causes and solutions. Please contact your original retailer or nearest service center if the below solutions cannot solve your problem.

Symptom	Possible Cause	Recommendation
LED not indicating and detector not working	Batteries have not been fitted or insufficient battery power	Check out if batteries are fitted or replace new batteries
	Check if the unit is out of order.	Do not open up the detector and send it for repair
Gateway does react when detector detects a flood condition	The detector cannot communicate with the gateway.	Place the unit closer to the gateway.
	Unsuccessful binding operation.	Follow “Manual binding” procedure

Manual binding

1. Repeat steps 5 to 7 of the Binding according to Wizard instruction.
2. Locate Learn button on the back of the main unit.



Learn button

3. Press and hold the learn button for more than 3 seconds then release, and a 30-second countdown will start. The detector LED will flash.

The screen will appear indicating the process is successful.

Reset to factory default:

To reset detector back to factory default state:

1. Press and hold the learn button for more than 3 seconds then release, the detector will LED will flash.
2. Within 30 secs press and hold the learn button again for more than 6 seconds to reset back to factory default settings. The LED will turn off when reset has done.

Operation

1. When water is detected, the detector will transmit a radio signal to Control Panel of alarm system.

2. If the battery level on the detector drops to low battery level, a radio signal will be transmitted to Control Panel of alarm system.

3. Flood detector can work with advanced feature on automation by creating the scene/automation scenarios to make warning with voice alert by siren or sent push together. For advanced settings, please set by VIAS APP>Scene>Automation>+Add Automation.

Specifications

Battery Type	1.5V AA batteries x3
Battery Life	Up to 5 years
Distance	>1km (Open space)
Operating Frequency	868MHz(EU), 923MHz (US)
Protection	IP44/Indoor use
Operating Temperature	-10°C – 40°C (32°F-104°F)

***Specifications are subject to change and improvement without notice.*

WARNING:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.
Contact your local government for information regarding the collection systems available.
If electrical appliances are disposed of inland fills or dumps, hazardous substances can leak into the ground water and get into the food chain, damaging your health and well-being.
When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

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