

Shelly Flood Gen4



Device identification

Device name: **Shelly Flood Gen4**

- Device model: **S4SN-0071A**

- Device SSID: **ShellyFloodG4-XXXXXXXXXXXX**
- BLE ID: **0x1822**

Short description

The Shelly Flood Gen4 alerts you when water appears where it shouldn't - such as under your water heater, dishwasher, or washing machine. It comes with an innovative leak sensor cable that covers larger areas, detecting leaks beyond a single point to provide unmatched protection for your home. Multiple leak sensor cables can be connected, extending coverage up to 150 meters.

Receive instant alerts directly to your mobile device and customize safety protocols to protect your family and property.

Shelly Flood Gen4 offers Wi-Fi, Zigbee, and Bluetooth connectivity. It also includes a built-in web interface for easy monitoring, control, and settings adjustments.

Main features

- **Leak detection for smaller and larger areas** via extendable leak sensor cable
- **Supports two modes:** Flood Detection and Rain Detection
- **Three built-in flood alarm modes:** Intense, Normal, and Economic
- **Remote notifications and built-in buzzer** for local alerts
- **Battery-powered** for flexibility and uninterrupted operation
- **IP44 protection** for durability and environmental resistance
- **Broad compatibility** with third-party home automation systems
- **Supports local automation actions** for independent operation
- **Support for Shelly Cloud and Shelly Smart Control app**

Use cases

- **Immediate Flood Detection**
Receive instant alerts when Shelly Flood Gen4 detects water in areas like basements, bathrooms, or laundry rooms, enabling quick action to prevent damage.
- **Protect Your Home from Water Damage**
Place Shelly Flood Gen4 near vulnerable appliances or plumbing systems. If a leak occurs, you'll be alerted in real time, helping to minimize potential damage.
- **Monitor High-Risk Areas**
Easily install Shelly Flood Gen4 in any room where flooding is a concern, such as kitchens or under sinks, and receive notifications through your phone without complex setup.
- **Automatic Appliance Shutoff**
Integrate Shelly Flood Gen4 with smart home automation that can automatically shut off water supply

Integrate Shelly Flood Gen4 sensor with smart devices to automatically turn off washing machines or dishwashers when a flood is detected, preventing further water damage.

- **Detect Pipe Leaks Early**

Run the leak sensor cable along a suspect pipe to quickly detect the presence of a leak, helping you take action before damage spreads.

Main applications

- Residential
- MDU (Multi Dwelling Units - apartments, condominiums, hotels, etc.)...
- Light commercial (small office buildings, small retail/restaurant/gas station, etc.)...
- Government/municipal
- University/college
- Farming

Integrations

Amazon Alexa supported capabilities

- Contact Sensor

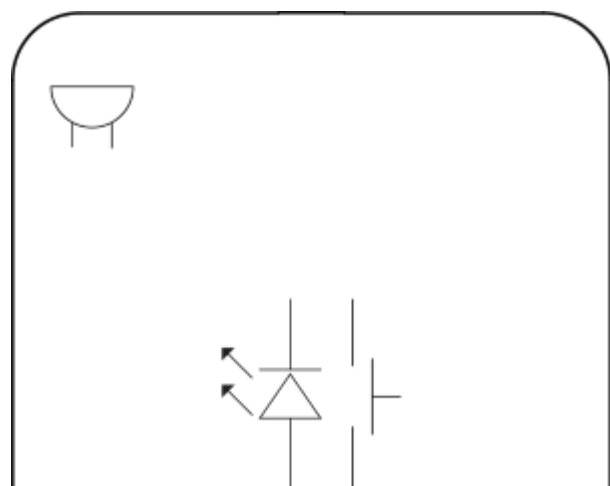
Google Smart Home supported traits

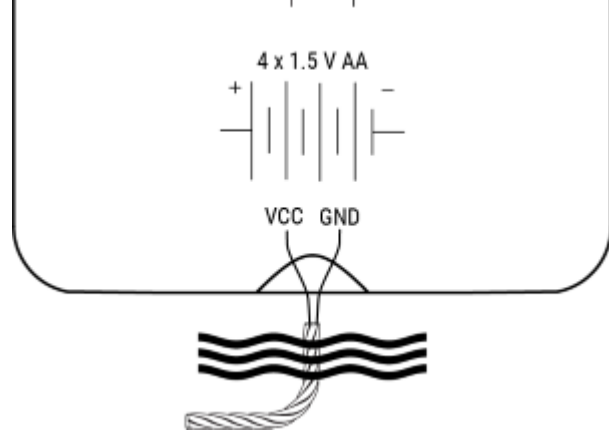
- Sensor State

Samsung SmartThings supported capabilities

- Battery
- Water Sensor

Simplified internal schematics





Connectivity

- Wi-Fi
- Bluetooth
- Zigbee
- Matter

Accessories

Shelly leak sensor cable - included in the package with Shelly Flood Gen4. Click [here](#) to access 3D print files for cable holders compatible with the Shelly Leak Sensor Cable.

User interface

Inputs

- **LED Button:**
 - **Press 1 time:** Wakes up the device for 3 minutes. The LED turns on and initiates a state report.
 - **Press 1 time:** Reports status of the Flood component.
 - **Press 2 times rapidly:** Sends the device to sleep.
 - **Press 3 times rapidly:** Puts the device in Zigbee inclusion mode. It stays in this mode for 3 minutes and you can find it in the Home Automation platform through the Zigbee Hub.
 - **Press 5 times rapidly:** Switch the Device from Matter firmware (default) to Zigbee, or back.
 - **Press and hold for 5 seconds:** Network reset. The LED flashes slowly. If no action is taken within 3 minutes, the device retains its existing settings.
 - **Press and hold for 10 seconds:** Resets the device to factory settings.

Outputs

- Buzzer

- **Long beep (3.5 sec ON / 1.5 sec OFF)**: Indicates flood detection.
- **Short beep (0.3 sec ON / 5 sec OFF)**: Indicates low battery when the battery level is below 20%. The low battery alarm will not sound during a flood event (unless the flood alarm is muted via the LED button) or when Economic mode is selected.
- **LED Button Indication:**
 - **Blue light**: AP mode is enabled.
 - **Red light**: STA mode is active, but the device is not connected to a Wi-Fi network.
 - **Yellow light**: STA mode is active, and the device is connected to a Wi-Fi network but not connected to the Shelly Cloud, or the Shelly Cloud is disabled.
 - **Green light**: STA mode is active, and the device is connected to both a Wi-Fi network and the Shelly Cloud.
 - **Flashing Purple light**: device is in Zigbee commissioning mode.
 - **Flashing Red/Blue light**: OTA update is in progress.
 - **Flashing Yellow light**: Device is in identification mode, signaling its presence for user identification.

Alarm Modes

- **Flood Detection Mode** - detects a state change and, if water is present, triggers an immediate alarm to alert you of potential flooding.
- **Rain Detection Mode** - detects a state change when water is present but does not trigger an alarm, ideal for non-critical scenarios like rain detection.

Mode	Alarm Mode	Report State Frequency*	Buzzer**	Buzzer Mute Conditions	Use Case
Flood	Intense		<ul style="list-style-type: none"> • ON for 10 minutes • Then ON for 1 minute every 5 minutes 	<ul style="list-style-type: none"> • No Flood 	Protect extremely valuable assets: <ul style="list-style-type: none"> • Lab Equipment • Server Room • ...
	Normal (Default)	<ul style="list-style-type: none"> • Every 30 sec for 5 minutes • Every 5 minutes for 30 minutes 	<ul style="list-style-type: none"> • ON for 5 minutes • Then ON for 1 minute 	<ul style="list-style-type: none"> • Button single push 	Normal use

		<ul style="list-style-type: none"> • Every 30 minutes once for 1 hour • Every 1 hour for 2 hours • Every 2 hours indefinitely 	every 30 minutes		
	Economic		Disabled	N/A	<p>Activate when you won't visit for a while:</p> <ul style="list-style-type: none"> • Vacation Home • Mountain Cabin • Country Cottage
Rain	-				Automating outdoor areas, such as controlling motorized awning or sprinklers.

*Continue reporting until successful, then sleep. Report again upon flood state change. If multiple reporting channels are configured, success on any channel will be considered a successful report.

**Buzzer pattern: 3.5 sec ON / 1.5 sec OFF

Specifications

Quantity	Value
Physical	
Size (HxWxD):	97x76x25 mm / 3.82x2.99x0.98 inch
Weight:	<ul style="list-style-type: none"> • 91 g / 3.21 oz (without batteries) • 185 g / 6.53 oz (with batteries)
Mounting:	Wall
Shell material:	Plastic
Shell color:	White

Environmental

Ambient working temperature: -20°C to 40°C / -5°F to 105°F

Humidity: 30% to 70% RH

Max. altitude: 2000 m / 6562 ft

Electrical

Power supply: Batteries

Battery type: 4x AA 1.5 V

Estimated battery life: approx. 2 years (depending on batteries used, device usage, and network connection strength)

Sensors, meters

Leak sensor cable: 2 m, extendable (up to 150 m), attaches via designated port

Radio

Wi-Fi

Protocol: 802.11 b/g/n/ax

RF band: 2401 - 2483 MHz

Max. RF power: < 20 dBm

Range:	Up to 30 m / 100 ft indoors and 50 m / 160 ft outdoors (Depends on local conditions)
Bluetooth	
Protocol:	5 (LE)
RF band:	2402 - 2480 MHz
Max. RF power:	< 20 dBm
Range:	Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions)
Zigbee	
Protocols:	802.15.4
RF bands:	2405 to 2480 MHz
Max. RF power:	< 20 dBm
Range:	Up to 100 m / 328 ft indoors and 300 meters / 984 ft outdoors (Depends on local conditions)
Microcontroller unit	
CPU:	ESP-Shelly-C68F
:	8 MB

Firmware capabilities

Schedules:	No
Webhooks (URL actions):	10 with 2 URLs per hook
Scripting:	No
MQTT:	Yes
UDP:	Yes
KVS (Key-Value Store):	Yes

Troubleshooting

Q: Why doesn't the Shelly Flood Gen4 detect a flood instantly?

A: To extend battery life, the Shelly Flood Gen4 checks for changes in flood status every 5 seconds. This slight delay balances prompt detection with optimal power efficiency.

Components and APIs

- [This device](#)
- [All Shelly devices and services](#)

Compliance

[Shelly Flood Gen4 multilingual EU declaration of conformity 2025-08-25.pdf](#)

[UK PSTI ACT Statement of compliance - Shelly Flood Gen4.pdf](#)

[Shelly Leak Sensor Cable multilingual EU declaration of conformity 2025-08-25.pdf](#)

Printed user guide

[Shelly Flood Gen4 multilingual printed user and safety guide.pdf](#)

Руководство за употреба и безопасност

Installation guides