



Shelly Flood S Gen4

User and safety guide

Rev. 1
Nov. 6, 2025

Table of Contents

Graphical symbols	3
Safety information	3
Device identification	3
Short description	3
Using the Device	3
Replacing the battery	4
Integrations	4
User interface	5
Inputs	5
Outputs	5
Alarm Modes	5
Specifications	6
Disposal and recycling	8
Disposal of batteries	8
Declaration of conformity	8

Graphical symbols

△ This sign indicates safety information.

ⓘ This sign indicates an important notice.

Safety information

For safe and proper use, please read this guide and any accompanying documents. Keep them for future reference. To avoid possible harm or property damage:

- Do not use the Device if damaged or defective.
- Do not attempt to repair or modify the Device. All servicing must be performed by authorized personnel.
- Remove and immediately recycle or dispose of exhausted batteries in accordance with your local regulations.
- Use only a CR123A battery.
- Ensure the battery is installed with the correct polarity.
- Keep the Device and any remote control means (such as mobile phones, tablets and PCs) out of reach of children to prevent unintended operation.

Device identification

- Device name: Shelly Flood S Gen4
- Device model: S4SN-0071Z
- Device SSID: ShellyFloodSG4-XXXXXXXXXXXX
- BLE Model ID: 0x1826

Short description

Shelly Flood S Gen4 alerts you instantly when water appears where it shouldn't. Its unique large-surface stainless-steel pads deliver fast, reliable detection, even for clean or low-conductivity water, while the 24 mm low-profile design fits perfectly in tight spaces. It supports Flood and Rain modes and includes three alarm profiles - Intense, Normal, and Economic - for the perfect balance of responsiveness and battery life.

Get instant phone alerts, automate protective actions, and rely on built-in sound and light alarms for immediate feedback. With IP67 protection and a long-lasting CR123A battery, Shelly Flood S Gen4 ensures dependable performance. It is Matter-certified and connects via Wi-Fi, Zigbee or Bluetooth, integrating seamlessly with the Shelly Cloud, Shelly Smart Control app and a wide range of home automation systems.

Using the Device


The device is ready to use straight out of the box; the battery is included. To initially power it, remove any insulating or protective elements. If the battery is depleted, see the section "Replacing the battery".

Place the device on any flat surface. It can be used indoors for flood detection (under water heaters, dishwashers, washing machines or sinks) and outdoors for rain detection.

Replacing the battery



WARNING!

- Chemical burn hazard. Keep batteries away from children.
- This product contains a lithium battery. If a new or used lithium battery is swallowed or enters the body, it can cause severe internal burns and can lead to death in as little as 2 hours.
-  Before operating the Device, ensure that the battery is fully inserted into its designated slot. If not, discontinue use, remove the battery, and store the device out of reach of children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.



CAUTION!

Do not force discharge, recharge, disassemble, heat above the manufacturer's specified temperature rating, or incinerate! Doing so may result in injury due to venting, leakage, or explosion, resulting in chemical burns.



ATTENTION!

Fit the O-ring correctly to ensure a tight seal and protect the device. Do not overtighten.

1. Open the cover by turning it counterclockwise as shown in Fig. 1.
2. Remove the exhausted battery.
3. Insert a new CR123A battery while respecting the polarity.
4. Place the cover and tighten it by turning it clockwise as shown in Fig. 1.

Integrations

Amazon Alexa supported capabilities

- Contact Sensor

Google Smart Home supported traits

- Sensor State

Samsung SmartThings supported capabilities

- Battery
- Water Sensor

User interface

Inputs

- **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 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:** The Device is in Zigbee commissioning mode.
 - **Flashing Red/Blue light:** OTA update is in progress.
 - **Flashing Yellow light:** The 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	In-tense	<ul style="list-style-type: none"> • Every 30 sec for 5 minutes • Every 5 minutes for 30 minutes • Every 30 minutes once for 1 hour • Every 1 hour for 2 hours • Every 2 hours indefinitely 	<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 • Button single push 	Protect extremely valuable assets: <ul style="list-style-type: none"> • Lab Equipment • Server Room • ...
	Normal (Default)		<ul style="list-style-type: none"> • ON for 5 minutes • Then ON for 1 minute every 30 minutes 		Normal use
	Economic		Disabled	N/A	Activate when you won't visit for a while: <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 (HxD):	23x77 mm / 0.91x3.03 inch
Weight:	<ul style="list-style-type: none"> • 50 g / 1.76 oz (without battery) • 70 g / 2.47 oz (with battery)


Quantity	Value
Mounting:	Flat surface
Shell material:	Plastic
Shell color:	White
Environmental	
Ambient working temperature:	-20°C to 40°C / -5°F to 105°F
Humidity:	30% to 100% RH
Max. altitude:	2000 m / 6562 ft
Electrical	
Power supply:	Battery
Battery type:	1 x CR123A
Estimated battery life:	Approx. 2 years (depending on batteries used, device usage and network connection strength)
Sensors, meters	
Water Detection:	Yes
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 - 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
Flash:	8 MB
Firmware capabilities	
Schedules:	No
Webhooks (URL actions):	10 with 2 URLs per hook
Scripting:	No
MQTT:	Yes

Quantity	Value
UDP:	Yes
KVS (Key-Value Store):	Yes

Disposal and recycling

 Do not dispose of the product with household waste. Recycle the product to avoid environmental and health damage and promote resource conservation. Dispose of the product at a suitable waste collection point. Resellers from whom the equipment was purchased are obliged to accept waste electrical and electronic equipment (WEEE) free of charge for proper disposal. Reset the Device before disposal to erase all personal data: press the button once to wake up the device, then press and hold it for 10 seconds.

Disposal of batteries

 The battery must not be disposed with household waste. Consumers are legally required to remove the battery from the Device before disposal and to dispose of it separately at designated collection points or return it to retailers free of charge. Proper disposal helps prevent harm to the environment and human health and enables valuable materials to be recovered.

Declaration of conformity

Hereby, Shelly Europe Ltd. declares that the radio equipment for Shelly Flood S Gen4 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address; <http://shelly.link/flood-s-gen4.DoC>

For UK PSTI ACT Statement of compliance visit shelly.link/uk-psti