

USER MANUAL

Smart Soil Moisture Sensor



*HWG023WBRF or HWG040WLBFRF Gateway Required (Sold Separately)

Model No. HCS026FRF



Email: service@rainpointonline.com



US Hotline: +1 833-381-5659

DE Hotline: +49 800-182-0576

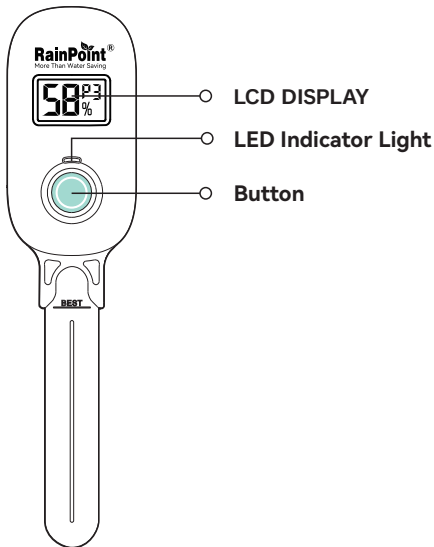
UK Hotline: +44 20-4628-3036

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1. INTRODUCTION

1.1 Product Overview



1.2 Specification

Parameter	Value
Waterproof Rating	IP54
Humidity Range	1% RH–99% RH
Communication	RF
Power Supply	3 × AAA alkaline batteries (not included)

1.3 Product Features

- **Moisture Detection**

Auto: Insert the sensor into the soil. It measures soil moisture every three minutes.

Manual: Press the button briefly to measure immediately.

- **Moisture Alarm**

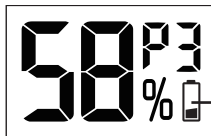
The app shows a red alert  if readings are outside the preset range.

- **Charts**

The app displays soil moisture trend charts for the past 24 hours, 30 days, and 1 year.

- **Low Battery Indicator**

Replace the batteries when the low-battery indicator  appears.



Low power

- **Soil Type**

Six soil-type modes improve measurement accuracy.

2. INSTALLATION AND CONNECTION



Setup Video



Customer Support

Tips:

Scan the QR code or visit the links below to access the setup video and customer support for quick installation.

Setup Video:

www.youtube.com/@rainpoint

Customer Support:

www.rainpointonline.com/pages/support

2.1 Installing the APP

- 1) In Google Play Store or the App Store, search for "**RainPoint Home**", or scan the QR code to download and install the app.
- 2) Open the RainPoint Home app and select "**Register**" or "**Log In**". Follow the on-screen instructions to create an account or sign in using your email address.



iOS



Android

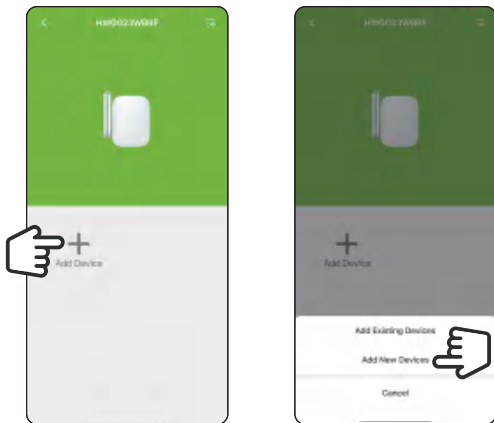
RainPoint Home



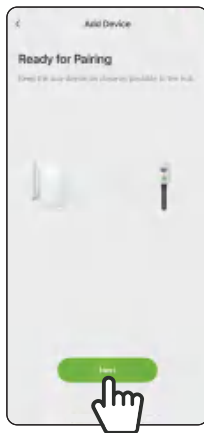
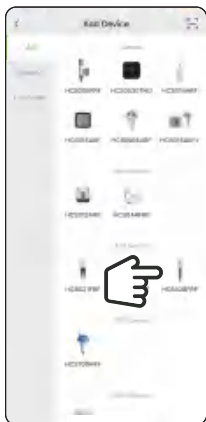
2.2 Connecting the Soil Moisture Sensor to the gateway

Before proceeding, ensure that an HWG023WBRF or HWG040WLBFR gateway is available and has been successfully added in the RainPoint Home app. The HWG023WBRF is used as the example below.

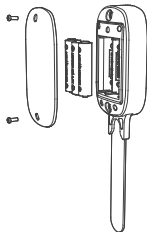
A. After the gateway has been connected successfully, tap its icon on the app home screen to open the gateway page. Tap **"Add Device"**, then select **"Add New Devices"** to add the sensor as a sub-device of the gateway.



B. In the device list, select "**HCS026FRF**" to add the device. Alternatively, tap the icon in the upper-right corner to add the device by scanning the QR code or entering its serial number. The app then opens the device pairing preparation page.



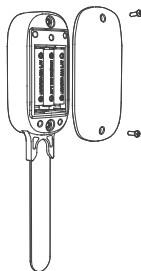
C. Installing the Battery



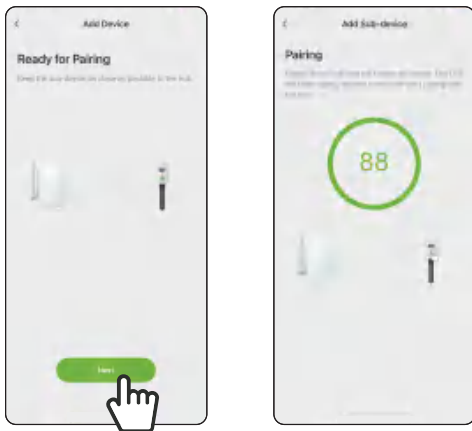
- 1** Use a screwdriver (not included) to remove the screws, then remove the battery cover on the back of the unit.

Insert three AAA batteries (not included), making sure the polarity (+/-) matches the markings inside the compartment. Reinstall the battery cover and tighten the screws.

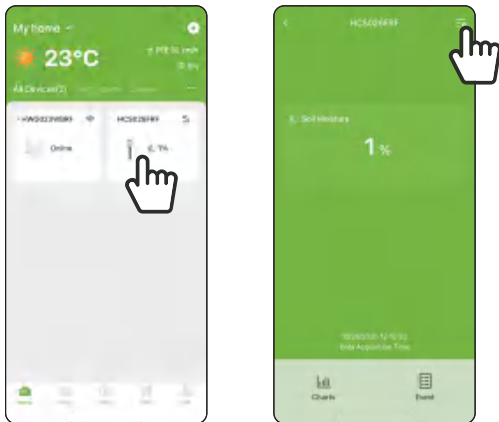
2



D. In the app, tap **"Next"** to start automatic pairing of the soil moisture sensor.



E. Once the sensor has been successfully connected, its icon appears on the app home screen. Tap the sensor icon to open the sensor page and access additional settings.



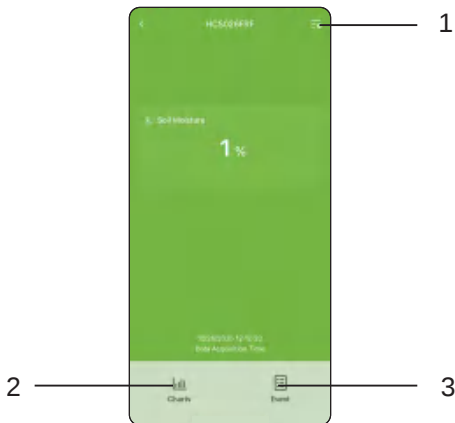
2.3 Installing the Soil Moisture Sensor

- If the soil is soft, insert the device at the **"BEST"** position.
- If the soil is hard, dig a hole and place the device at the **"BEST"** position, then backfill the soil.

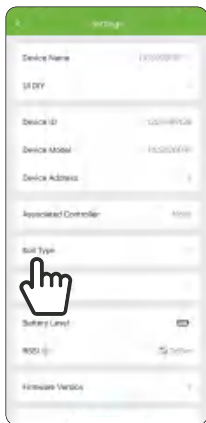


3. APP INTRODUCTION

Sensor Home Screen



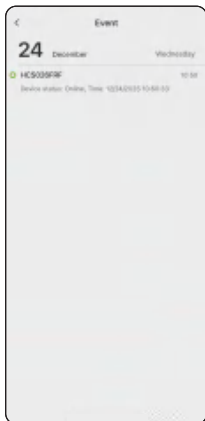
1. **Settings:** On the device page, tap the top-right corner to open Settings. Tap "**Soil Type**" and select the desired soil type, then tap the checkmark to confirm. If no soil type is selected, the system defaults to P1.



2. **Chart:** Tap "Chart" to view soil moisture trends for the past 24 hours, 30 days, and 1 year. Tap the Download icon in the top-right corner of the chart to export the data.



3. **Event:** Tap "**Event**" to view the device's online/offline status.



4. RESET THE DEVICE

- **How to reset the soil moisture sensor?**

- 1) Remove all batteries from the battery compartment.
- 2) Wait 10 seconds.
- 3) Insert three new AAA alkaline batteries.
- 4) The red LED will flash rapidly (0.2 s on, 0.2 s off), indicating the sensor has entered pairing mode.

5. TROUBLESHOOTING

Issue	Possible Cause	Solution
Inaccurate reading	Stones around the sensor.	Make sure there are no stones around the sensor during installation, as stones may affect measurement accuracy.
No display on the screen	Batteries are low.	Replace brand new alkaline batteries.
Soil sensor cannot pair with the gateway	• The soil sensor is too far from the gateway, or there are too many obstructions between them. • The pairing window timed out during setup. • The gateway firmware is outdated.	• Keep the soil sensor close to the gateway during pairing. • Follow the in-app instructions to try pairing again. • Open the gateway page in the app, tap "Firmware Version", and update the firmware.

6. WARRANTY

RainPoint provides a 1-year warranty against manufacturing defects in materials and workmanship from the date of purchase.

During the warranty period, products found to be defective under normal use and service, as determined solely by RainPoint, will be replaced free of charge.

To request warranty service, email your order ID to service@rainpointonline.com. A response will be provided within 24 hours on working days.

7. CUSTOMER SUPPORT

For setup difficulties, search "**RainPoint**" on YouTube to view installation videos.

If the required information is not found in this user manual or further assistance is needed, contact customer support before returning the product to the store. The local customer support team will provide a solution within 24 hours on working days and may arrange a replacement or refund where applicable.

For efficient support, please provide the following information:

- Order number
- LOT NO. of the device
- Brief description of the problem

Contact information:

US Hotline: +1 833-381-5659 (Mon–Fri: 9:30 AM–5:30 PM PST)

DE Hotline: +49 800-182-0576 (Mon–Fri: 9:00 AM–5:00 PM CET)

UK Hotline: +44 20-4628-3036 (Mon–Fri: 9:00 AM–5:00 PM CET)

Email: service@rainpontonline.com

Note: The app may be updated or modified over time, which may result in changes to certain pages or names. For the most accurate information, refer to the current screens in the app or contact customer support for assistance.

FCC ID: 2AWDBHCS026FRF

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are intended to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the device and the receiver.
- Connect the device to an outlet on a different circuit from the one to which the receiver is connected.

If necessary, the user should consult the dealer or a qualified radio/TV technician for additional help. Changes or modifications to this device not expressly approved by the manufacturer may void the user's authority to operate the equipment.

EC REP

NAME: VIAJE ELECTRONIC COMPANY LIMITED

ADDRESS: E588, 13 ADELAIDE ROAD, DUBLIN, D02 P950, IRELAND

EMAIL: VIAJEELE@outlook.com

UK REP

NAME: SUJE ELECTRONIC COMPANY LIMITED

ADDRESS: S211 92a Bury Old Road, Manchester, England, M45 6TQ

EMAIL: SUJEELECTRONIC@outlook.com

Manufacturer/Hersteller/Fabricant/Produttore/Fabricante:

FUJIAN BALDR TECHNOLOGY CO., LTD

ADDRESS/ADRESSE/ADRESSE/INDIRIZZO/DIRECCIÓN:

Floor 3, Building 2, No. 71 Yangqi Road, Fuwan Industrial Area,
Cangshan District, Fuzhou, China 350008

EMAIL: service@rainpointonline.com



Not included



Points de collecte sur www.quefairedemesdechets.fr
Privilégiez la réparation ou le don de votre appareil !



Scan the QR code to
get fast support

Need Help?

Please contact us

US Hotline: +1 833-381-5659

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