



User manual



Wi-Fi Human Presence Sensor - Spsensor

Thank you for choosing electriQ.

Please read this user manual before using the Wi-Fi Water Sensor and keep it safe for future reference.

Visit our page www.electriQ.co.uk for our entire range of electricals.

Welcome to electriQ

We hope you're happy with your new purchase.

We'd love to see how you're getting on.

If you share any snaps on your socials,
make sure you tag us and use our hashtag.



@electriQUK

#electriQUK

We're here to help

Got a question or need help?

Get in touch with our friendly customer service team.



0330 390 3061

support@electriQ.co.uk

Mon - Fri | 9am to 5pm

Unit 2A, Trident Business Park, Neptune Way,
Leeds Road, Huddersfield, HD2 1UA

CONTENTS

SAFETY INFORMATION	4
PRODUCT OVERVIEW	7
SETTING UP THE Wi-Fi (2.4GHZ CONNECTION)	9
SETTING UP THE APP	11
INSTALLING YOUR SENSOR	18
USING THE APP	26
CLEANING AND MAINTENANCE	39
Wi-Fi CONNECTION TROUBLESHOOTING (SMART LIFE APP)	42
TROUBLESHOOTING	50
TECHNICAL SPECIFICATION	52
electriQ UK SUPPORT	53
PSTI STATEMENT OF COMPLIANCE	55

SAFETY INFORMATION

Please read the following safety warnings carefully before installing or using the Wi-Fi Human Presence Sensor.

- This device is powered via USB Type-C (DC 5V / 1A). Do not connect to any other voltage source.
- Only use the supplied cable or a certified replacement rated for 5V/1A output.
- Do not expose the cable or connector to moisture, heat, or physical damage.
- Avoid inserting any foreign objects into the device's ports or openings.
- Disconnect the device from power before cleaning, relocating, or performing maintenance.
- Mount only to stable, vibration-free surfaces. Avoid areas near fans, HVAC units, or metal piping.
- Do not install near reflective surfaces, moving curtains, or heat sources, as these may interfere with detection accuracy.
- Ensure the sensor is securely mounted using the supplied adhesive or suitable fixings. Loose or unstable mounting may cause the unit to fall or malfunction.

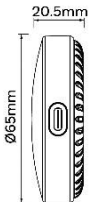
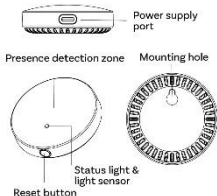
- Avoid placing the sensor in direct sunlight or high-humidity environments.
- This device contains a Wi-Fi transmitter operating in the 2.4GHz band (IEEE 802.11 b/g/n) with low output power.
- Do not modify or tamper with the internal components.
- Maintain a minimum distance of 20 cm between the sensor and prolonged human exposure zones.
- Keep the device away from heat sources, high humidity, and strong magnetic fields.
- Do not operate the device near medical equipment, pacemakers, or other sensitive electronics without professional guidance.
- Do not cover the sensor or obstruct ventilation around it.
- Keep away from flammable materials and heat sources.
- If the device emits smoke, unusual odours, or excessive heat, disconnect it immediately and contact support.
- Always disconnect power before cleaning.
- Use a soft, dry cloth only. Do not use water, solvents, alcohol, or abrasive cleaners. If the product gets wet, please dry it immediately.
- Do not allow moisture to enter any openings or seams.

- This product is intended for residential and light commercial environments only.
- This is not a toy. Keep out of reach of children and pets.
- Do not attempt to open, disassemble, or modify the sensor as this may affect EMF compliance and void the warranty.
- Handle with care. The product contains sensitive components. Do not drop or subject to strong impact.
- Do not use the device outdoors unless specifically rated for outdoor use.
- Do not immerse the sensor in water or expose it to rain.
- This product contains no user-serviceable parts.
- Keep out of reach of children and pets.
- Always use the device as specified in this manual.
- If the sensor is damaged or malfunctioning, discontinue use and contact customer support.
- This product contains electrical components and should not be disposed of with household waste.

PRODUCT OVERVIEW

NOTE: Diagrams are for illustrational purposes only.

DIMENSIONS



PARTS SUPPLIED



1x User
Manual



1x Sensor



1x EVA
Adhesive
tape



1x USB
Type-C
Charging
Cable

SETTING UP THE Wi-Fi (2.4GHZ CONNECTION)

NOTE: If you are unsure about your router settings, contact your **internet provider** for assistance.

To connect the unit via Wi-Fi, ensure your router supports **dual-band Wi-Fi** (2.4GHz and 5GHz) and that the 2.4GHz band is available. You can check this in one of the following ways:

1. **If your router already has a 2.4GHz network**, temporarily disable the 5GHz band while setting up the unit. You may re-enable it after setup.
2. **If your router does not have a separate 2.4GHz network**, enable it through your router settings:
 - Open a web browser and enter your router's **IP address** (found on the back of your router).
 - Log in to your router settings and look for Wi-Fi or network settings.
 - Follow your provider's instructions to enable 2.4GHz Wi-Fi.

3. **Alternatively, contact your internet provider** to assist with enabling 2.4GHz Wi-Fi.

Once the 2.4GHz network is enabled, connect your phone before setting up the unit.

SETTING UP THE APP

1. Use your smartphone to scan the QR code, or search for the “Smart Life” app in the Google Play Store or APP Store to download and install.



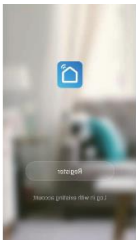
Smart Life



QR Code



2. Create an account with your mobile number and authentication code.



Register

UK +44



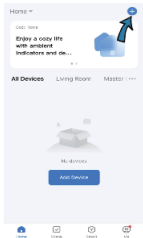
Mobile number/e-mail address

Get authentication code



I agree [Service Agreement](#) and [Privacy Policy](#)

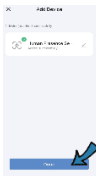
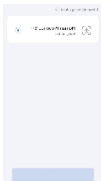
3. Connect your mobile to your Wi-Fi router, click “+” at the upper right corner of the homepage, or click “Add Device.”



CONNECTING VIA QUICK CONNECTION

The app will advise you to turn on Bluetooth on your mobile and ensure the indicator blinks slowly. If not, press and hold the reset button for about 5 seconds until it does. It will then search for the device and add it automatically.





CONNECTING VIA Wi-Fi

Select “Motion Detector (Wi-Fi)” from “Sensors.” Input your 2.4Ghz Wi-Fi credentials and press ‘Next’. Make sure the LED indicator is blinking slowly. If it is not, press and hold the reset button for about 5 seconds until the indicator starts blinking slowly. Press ‘Next’ then select ‘Blink Slowly’.



Connect your mobile device to the device's hotspot: "SmartLife-XXXX". Then, return to the app interface. The device will automatically connect to your Wi-Fi router, and the configuration will be completed.



X

Connect your mobile phone to the device's hotspot

Connect your phone to the hotspot above

SmartLife-XXXX

SL-XXXX

Go to Connect



INSTALLING YOUR SENSOR

BEFORE INSTALLATION

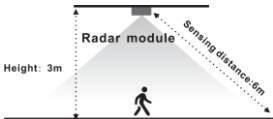
Ensure that the sensor is:

- Disconnected from power to prevent electric shock.
- Ensure the mounting surface is stable and vibration-free (fans, HVAC units, metal piping).
- Do not install near reflective surfaces or moving objects like curtains or plants.

MOUNTING OPTIONS

MOUNTING TO THE CEILING

Recommended for general occupancy detection in open areas.



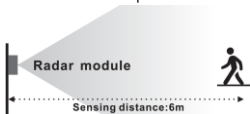
Mounting Height	2.5–3.0 metres
Detection Range	Up to 6 metres (radial coverage)
Detection Angle	90°
Orientation	The sensor head should face the occupants directly.
Application Notes	Best suited for motion detection; micro-motion detection may be less accurate in this orientation

INSTALLATION STEPS:

- Attach the sensor to the desired surface using the provided adhesive tape.
- Ensure the radar module is unobstructed and facing the detection zone.
- Connect to DC 5V/1A power supply via designated input port.

MOUNTING TO THE WALL

Recommended for enhanced micro-motion detection and reduced false alarms from small pets.



Mounting Height	1.2-1.5 metres
Detection Range	Up to 6 metres
Orientation	Horizontal or slanted installation preferred
Application Notes	Ideal for detecting seated or static individuals; improves accuracy in confined spaces.

INSTALLATION STEPS:

- Attach the sensor to the desired surface using the provided adhesive tape.
- Mount the sensor at shoulder height, angled slightly downward.

- Avoid direct alignment with reflective surfaces or heat sources.
- Connect to DC 5V/1A power supply and verify LED indicator status.

MOUNTING TO THE WALL WITH PROTRUDING SCREWS (NOT SUPPLIED)

This method is suitable for quick, tool-free installation where a pre-installed screw or hook is available. Ideal for temporary setups or locations where drilling is restricted.

REQUIREMENTS:

- A stable surface with a pre-installed protruding screw, hook, or nail.
- Screw head diameter: 3-5 mm recommended.
- Minimum protrusion: 5 mm from the surface.
- No screws or wall plugs are supplied with the sensor.

INSTALLATION STEPS:

1. Prepare the Mounting Point

Ensure the screw is securely fixed into a solid surface (e.g., wood, masonry, or plastic panel). Avoid loose or angled screws.

2. Align the Sensor

Hold the sensor with the rear slot facing the screw head. Tilt slightly to align the wider part of the slot with the screw.

3. Hang and Secure

Slide the sensor downward until the screw head locks into the narrow part of the slot. Confirm that the sensor is flush and stable.

For optimal detection:

- Mount at 1.2-1.5 metres height for micro-motion detection.
- Ensure the sensor faces the intended detection zone.
- Avoid placing near reflective surfaces or heat sources.

4. Connect to Power and Finalise Setup

Once securely mounted, connect the sensor to a DC 5V/1A power source. Verify the LED indicator lights up, confirming the sensor is powered. You can now use the sensor and configure its settings using the companion app.

BEFORE SETTING UP YOUR DEVICE

Ensure the following is checked:

- Your smartphone is connected to a 2.4GHz Wi-Fi network.
- Your smartphone runs Android 4.4 or above, or iOS 8.0 or above.
- If the number of devices connected to your Wi-Fi router has reached its limit, try disconnecting a device to free up a channel, or use a different Wi-Fi router.
- Ensure the sensor placement is within the network range of your Wi-Fi router.

USING THE APP

The SmartLife app allows you to configure your Human Motion Sensor for optimal performance in different environments. Follow the steps below to adjust **Scene Mode**, **Motion Detection**, and **Micro-Motion** Detection settings.

ACCESSING THE SETTINGS

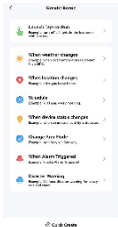
- Open the SmartLife app on your mobile device.
- Select your Human Motion Sensor from the device list.
- Tap the Settings icon to open the configuration screen.

SMART SCENES

Smart Scenes is a powerful tool that allows the user to customise the operation of the human presence sensor based on conditions within the room and outside influences. This gives the user the option of specifying much more intelligent actions. These are split into two categories: Scene and Automation.

SCENE

The scene allows for adding a one-touch button to the Home Screen. The button can change several settings, including all the unit settings. Several scenes can easily be set up, allowing



the user to easily change between several pre-set configurations.

AUTOMATION

Automation allows an automatic action to be set up for the device. This can be triggered by the Time and various other influences, depending on what other Smart Life-enabled devices you have on the network.

SETTING UP A SCENE / AUTOMATION

- Open the SmartLife app on your mobile device.
- Select your Human Motion Sensor from the device list.
- Tap the Settings icon to open the configuration screen



Setting

Scene mode



SCENE MODE SELECTION

Scene Mode optimises detection parameters for specific environments. Select the icon that best matches your installation location:

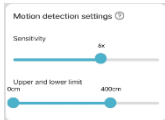
ICON	MODE	TYPICAL USE
Default (selected)	General indoor use	Balanced sensitivity for most rooms
Aisle	Corridors, hallways	Longer detection range, reduced side sensitivity
Living	Living rooms	Wider detection area for open spaces
Bedroom	Sleeping areas	Reduced sensitivity to minimise false triggers
Bathroom	Bathrooms	Adjusted for smaller enclosed spaces

TIP: Select the mode that most closely matches your environment to reduce false alarms.

MOTION DETECTION SETTINGS

These settings control the sensor's response to standard human movement.

- Sensitivity - Adjust using the slider (1x-6x). Higher values increase responsiveness but may detect smaller movements.
- Detection Range - Set the Upper and Lower limits (0-400 cm). This defines the distance from the sensor within which motion is detected.



MICRO-MOTION DETECTION SETTINGS

Micro-Motion Detection identifies subtle movements (e.g., hand gestures, slight body shifts).

- Sensitivity - Adjust using the slider (1x-6x). Higher values detect finer movements but may increase false triggers.
- Detection Range - Set the Upper and Lower limits (0-400cm). Use shorter ranges for close-proximity detection.



PRESENCE SETTINGS

This setting controls how long the system waits before confirming that no one is in the room after movement has stopped. It helps avoid false alerts when someone briefly leaves or moves out of sensor range.

Nobody time setting ?

30s

60s

120s

180s

DELAY INTERVALS

You can choose how long the system should wait before it switches to “nobody detected”:

OPTION	WAIT TIME	BEST FOR
30 seconds	Quick response	Busy areas like hallways or entrances
60 seconds	Moderate delay	Living rooms or kitchens
120 seconds	Longer delay	Bedrooms or offices
180 seconds	Extended delay	Lounges or areas with longer stays

SAVING AND TESTING

1. exit the settings screen after adjusting - changes are saved automatically.

2. Test the sensor by moving within the configured range.
3. If detection is too sensitive or not responsive enough, fine-tune the Sensitivity and Range settings.

NOTE:

- For best results, avoid placing the sensor near heat sources, air vents, or moving curtains.
- Ensure the app and device firmware are up to date for optimal performance.
- All measurements are approximate and may vary depending on installation height and environment.

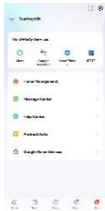
PROFILE TAB

THIRD-PARTY SERVICES

Integrate your devices with voice assistants and automation services for hands-free control and smart scheduling.

Alexa / Google Assistant / SmartThings / IFTTT

- These options let you link your Smart Life-compatible devices to third-party platforms for voice commands, routines, or advanced automation workflows.



HOME MANAGEMENT

Allows you to manage your Smart Life home environment.

- Create and customise homes
- Add or remove rooms
- Share control of devices with family members or housemates

MESSAGE CENTER

Shows system and device notifications.

- View alerts from smart devices (e.g., if an alarm is triggered)
- See activity logs or system messages related to your setup

HELP CENTER

Offers FAQs and basic troubleshooting support.

- Browse frequently asked questions
- Learn how to use features or solve common problems
- Find contact options for support (depending on region)

CLEANING AND MAINTENANCE

To ensure the proper operation and longevity of your human presence sensor, please follow the guidelines below:

CLEANING

- Always disconnect the device from the network and power before cleaning.
- Clean the outer surface of the sensor using a soft, dry cloth.

- Do not use water, cleaning sprays, solvents, alcohol, or abrasive cleaning agents, as these may damage the surface or internal components.
- Avoid allowing moisture to enter any openings or seams of the sensor.

MAINTENANCE

- Check the sensor periodically to ensure it is securely mounted and operating correctly.
- Keep the sensor away from heat sources, direct sunlight, and high humidity to avoid affecting its performance and lifespan.
- Ensure the sensor remains free of dust or debris that could block or interfere with the sensor's ability to detect human presence.

IMPORTANT!

Do not attempt to disassemble, repair, or modify the sensor, as this may result in damage and will void the warranty. For any issues beyond regular cleaning, please contact customer support.

FAQ's

- To reduce interference, avoid installing mmWave radar near vibration sources like fans, air conditioners, plants, curtains, metal, or water pipes.
- For accurate detection of human micro-motion or static presence, set sensitivity to 5x or higher.
- Horizontal or slanted installations are more reliable for micro-motion or static detection than ceiling mounts, which are better suited for motion detection.

- Detection accuracy is higher with relative radial movement between the radar and target; horizontal installation is recommended.
- If the sensor fails to report absence after detection, lower the sensitivity and adjust the distance limits for micro-motion and, if needed, for motion detection.

Wi-Fi CONNECTION TROUBLESHOOTING (SMART LIFE APP)

If you experience difficulties connecting your device to the Smart Life app, refer to the table below for common issues and solutions.

ISSUE	POSSIBLE CAUSE	POSSIBLE SOLUTION
Device not found during setup	<ul style="list-style-type: none"> • Appliance is too far from the router. • Mobile phone is connected to a 5GHz network. • Wi-Fi interference or weak signal. 	<ul style="list-style-type: none"> • Ensure your phone is connected to a 2.4GHz Wi-Fi network. • Place the appliance closer to the router during setup. • Restart your router and phone before retrying.

<p>Wi-Fi indicator not blinking</p>	<ul style="list-style-type: none"> • Device is not in pairing mode. • Incorrect pairing mode selected. 	<ul style="list-style-type: none"> • Refer to the CONNECTING VIA BLUETOOTH / WI-FI sections for pairing and connection instructions.
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**Unable to
connect to Wi-
Fi**

- Incorrect Wi-Fi password.
- Router limitations or signal issues.
- Check router settings

- Verify the Wi-Fi password is correct.
- Avoid Wi-Fi names (SSID) with special characters.
- Ensure your router is not using MAC filtering or firewall blocks.
- Place the device closer to the router during setup.
- Encryption should be WPA2-PSK, and the

		authorization type should be set to AES.
The device was added but did not respond in the app	<ul style="list-style-type: none"> • Connection was incomplete. • App lacks required permissions. 	<ul style="list-style-type: none"> • Restart the Smart Life app and check if the device responds. • Ensure the app has access to Bluetooth, Location, and Nearby Devices in your phone's settings. • Remove and re-add the appliance if needed

Stuck during pairing	<ul style="list-style-type: none">• Too many connection attempts in a short time.• Wi-Fi signal interruption.	<ul style="list-style-type: none">• Wait at least 10 seconds before restarting the pairing process.• Power cycle the device before retrying.
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<p>Frequent disconnections</p>	<ul style="list-style-type: none"> • Weak Wi-Fi signal. • Network instability. 	<ul style="list-style-type: none"> • Move the router closer or use a Wi-Fi extender. • Keep the device away from thick walls or electronic interference (e.g., microwave ovens). • Ensure the router firmware is up to date.
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WARNING: Do not attempt to open, disassemble, or modify the unit. Doing so may result in electric shock, damage to the appliance and voiding of the warranty.

If the above troubleshooting is unable to fix the issue, you may refer to your internet provider for issues concerning network connections and may find suitable fixes for Smart Life-related issues or queries on the link:

<https://support.tuya.com/en/help>

If issues persist, please do not hesitate to contact customer service.

TROUBLESHOOTING

ISSUE	POSSIBLE CAUSE	SOLUTION
Sensor not detecting presence.	The sensor is obstructed	Remove any obstructions in front of the sensor
	The sensor is dirty.	Clean the sensor with a soft cloth.
	The sensor is malfunctioning	Replace the sensor
False alarms	The sensor is too sensitive.	Adjust the sensitivity settings.

	Environmental interference	Ensure there are no sources of interference nearby.
The item does not turn on.	Power supply issue	Check the power supply and connections
	Faulty sensor	Replace the sensor

TECHNICAL SPECIFICATION

Model	SPsensor
Dimensions	Ø65 × 20.5 mm
Net Weight	24.5 g
Input Voltage/Current	DC 5V / 1A
Radar Frequency	5.8 GHz
Detection Range	0–6 meters
Detection Angle	90°
Sensitivity Levels	0–6
Illuminance Range	0–3000 Lux
Operating Temperature	-10°C to +55°C

electriQ UK SUPPORT

www.electriQ.co.uk/support

Call: 0330 390 3061

Office hours: 9 AM - 5 PM, Monday to Friday

Unit 2A, Trident Business Park,
Neptune Way, Leeds Road,
Huddersfield, HD2 1UA.



Recycling facilities are now available for all customers, where they can deposit their old electrical products. Customers can take any old electrical equipment to participating sites run by their local councils. Please remember that this equipment will be further handled during the recycling process, so please be considerate when depositing your

equipment. Please contact the local council for details of your local household waste recycling centres.

PSTI STATEMENT OF COMPLIANCE

Description: Wi-Fi Human Presence Sensor

Model Number: SPsensor

Manufacturer: ElectriQ, 2A Trident Business Park, Leeds Road,
Huddersfield, HD2 1UA

PSTI Contact: TiSecurity@buyitdirect.co.uk

We have prepared this statement of compliance and can confirm that this product is compliant with the deemed compliance conditions in Schedule 2 of The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023.

Duration of security updates: 01/09/2030. This date is correct at the time of printing, but we may extend it. Please visit www.electriQ.co.uk for the latest information and details of

our PSTI compliance.



Richard Leach

Compliance and Quality Manager, Buy It Direct, Huddersfield
10th September 2025

EU DECLARATION OF CONFORMITY

Hereby, ElectriQ declares that the Wi-Fi Human Presence Sensor is in compliance with Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following internet addresses:

<https://electriQ.co.uk/files/DOC/EU/SPsensor.pdf>

UK DECLARATION OF CONFORMITY

Hereby, ElectriQ declares that the Wi-Fi Human Presence Sensor is in compliance with the Radio Equipment Regulations 2017.

The full text of the UK Declaration of Conformity is available at the following internet addresses:

<https://electriQ.co.uk/files/DOC/UK/SPsensor.pdf>

