

Shelly MOTION



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fig. 1



fig. 2

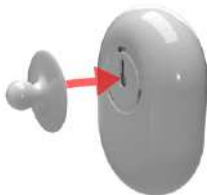


fig. 3



fig. 4

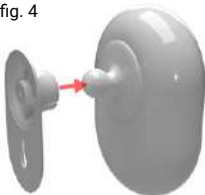


fig. 5



fig. 6

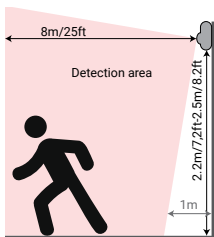


fig. 7

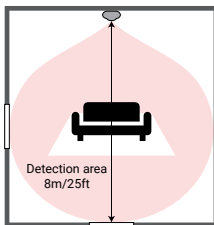
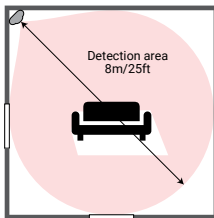


fig. 8



SHELLY MOTION WIFI SENSOR

Introduction to Shelly

Shelly® is a family of innovative Devices, which allow remote control of electric appliances through mobile phone, PC or home automation system. Shelly® Devices use WiFi connectivity, and they can be controlled from the same network or through remote access (any internet connection). Shelly® Devices may work standalone on the local WiFi network, without being managed by a home automation controller, or it can also work through home automation cloud services, accessing remotely from wherever the User has Internet connectivity. Shelly® has an integrated web server, through which the User may adjust, control and monitor the Device. Shelly® has two WiFi modes - access Point (AP) and Client mode (CM). To operate in Client Mode, a WiFi router must be located within the range of the Device. Shelly® devices can communicate directly with other WiFi devices through HTTP protocol. An API can be provided by the Manufacturer. Shelly® devices may be available for monitor and control even if the User is outside the range of the local WiFi network, as long as the WiFi router is connected to the Internet. The cloud function could be used, which is activated through the web server of the Device or through the settings in the Shelly Cloud mobile application. The User can register and access Shelly Cloud, using either Android or iOS mobile applications, or any internet browser and the web site:

<https://my.shelly.cloud/>

What is Shelly Motion

Shelly Motion is high sensitivity ultra-low power consuming WiFi Motion sensor which stays connected to internet 24/7 and no additional HUB is required to control it. Shelly Motion sends notification once motion is detected or it will instantly turn on the lights. It has built-in accelerometer providing protection when someone tries to dislocate or move the device. The built-in light sensor gives additional opportunities for home or office automation.

Shelly Motion has a built-in 6500mAh rechargeable battery which allows the sensor to be connected to the Internet (standby mode) for up to 3 years without recharging, and in active transmission (approx. 6 hours/day motion detected) estimated between 12 and 18 months.

Specification

- Working temperature -10 ÷ 50°C
- Radio protocol WiFi 802.11 b/g/n
- Frequency 2412 - 2472 MHz (max. 2483.5 MHz)
- Operational range (depending on local construction) up to 50 m outdoors or up to 30 m indoors
- Battery - 6500mAh 3,7V

Visual indications

The Motion Sensor is equipped with a LED diode, signaling sensor's operating modes and alarms.

Blue light non blinking	Inclusion mode
Red light blink	Motion detected and reported
Green light blink	Motion detected, reporting disabled
Blue/Green/Red sequence	Reboot or Vibration detected
Blue light blink	Firmware update
Blue light single blink	Settings change

Button user interaction

Use pin to press the button as shown at the picture

- Short press (AP mode) - wake-up from AP sleep mode (AP is only for 3 minute and device power OFF, battery save transportation mode)
- Short press (STA MODE) - send status
- Long press 5 sec (STA mode) - AP mode
- Long press 10 sec (STA mode) - Factory reset



Installation Instructions

⚠ CAUTION! Before beginning the installation please read the accompanying documentation carefully and completely. Failure to follow recommended procedures could lead to malfunction, danger to your life or violation of the law. Allterco Robotics is not responsible for any loss or damage in case of incorrect installation or operation of this device.

⚠ CAUTION! Do not allow children to play with the device, especially with the Power Button. Keep the devices for remote control of Shelly (mobile phones, tablets, PCs) away from children.

How to assemble and mount the Shelly Motion

1. In your package as seen in **fig. 1** you will find the body of the Shelly Motion, ball arm plate and wall plate.
2. Place the ball arm plate onto the body of Shelly Motion as seen in **fig. 2**.
3. Twist the ball arm plate in clock-wise direction as seen in **fig. 3**.
4. Place the wall plate onto the ball arm plate - **fig. 4**.
5. The assembled Shelly Motion sensor should look like **fig. 5**.
6. Use the locking dowel provided in this package to mount your Shelly Motion on to the wall.

Shelly Motion area of detection

Shelly Motion has range of 8m or 25ft. Optimal height for mounting is between 2,2m/7,2ft and 2,5m/8,2ft.

⚠ CAUTION! Shelly Motion has "No detection" area one meter in front of the sensor - **fig. 6**

⚠ CAUTION! Shelly Motion has "No detection" area one meter behind solid objects (sofa, closet, etc.) - **fig. 7** and **fig. 8**

⚠ CAUTION! Shelly Motion cannot detect movement through transparent objects.

⚠ CAUTION! Direct sun light or close heating sources can trigger false motion detection.

Declaration of conformity

Hereby, Allterco Robotics EOOD declares that the radio equipment type Shelly Motion is in compliance with Directive 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://shelly.cloud/knowledge-base/devices/shelly-motion/>

Manufacturer: Allterco Robotics EOOD

Address: Bulgaria, Sofia, 1407, 103 Cherni vrah Blvd.

Tel.: +359 2 988 7435

E-mail: support@shelly.cloud

Web: <http://www.shelly.cloud>

Changes in the contact data are published by the Manufacturer at the official website of the Device

<http://www.shelly.cloud>

The User is obliged to stay informed for any amendments of these warranty terms before exercising his/her rights against the Manufacturer.

All rights to trademarks She® and Shelly®, and other intellectual rights associated with this Device belong to Allterco Robotics EOOD.

SHELLY MOTION WLAN-SENSOR

Einführung in die Produktwelt von Shelly

Shelly® ist eine Familie innovativer Geräte, die die Fernsteuerung von Elektrogeräten über Mobiltelefone, PCs oder Hausautomationssysteme ermöglichen. Shelly®-Geräte verwenden WiFi-Konnektivität und können über dasselbe Netzwerk oder über Fernzugriff (jede Internetverbindung) gesteuert werden. Shelly®-Geräte können im lokalen WiFi-Netzwerk eigenständig arbeiten, ohne von einem Hausautomationscontroller verwaltet zu werden, oder sie können auch über Cloud-Dienste für die Hausautomation arbeiten und von jedem Ort aus, an dem der Benutzer über eine Internetverbindung verfügt, remote zugreifen. Shelly® verfügt über einen integrierten Webserver, über den der Benutzer das Gerät anpassen, steuern und überwachen kann. Shelly® verfügt über zwei WiFi-Modi - Access Point (AP) und Client-Modus (CM). Um im Client-Modus arbeiten zu können, muss sich ein WLAN-Router in Reichweite des Geräts befinden. Shelly®-Geräte können über das HTTP-Protokoll direkt mit anderen WiFi-Geräten kommunizieren. Eine API kann vom Hersteller bereitgestellt werden. Shelly®-Geräte können möglicherweise überwacht und gesteuert werden, auch wenn sich der Benutzer außerhalb der Reichweite des lokalen WLAN-Netzwerks befindet, solange der WLAN-Router mit dem Internet verbunden ist. Die Cloud-Funktion kann verwendet werden, die über den Webserver des Geräts oder über die Einstellungen in der mobilen Shelly Cloud-Anwendung aktiviert wird. Der Benutzer kann sich mit mobilen Android- oder iOS-Anwendungen oder einem beliebigen Internetbrowser und der Website registrieren und auf Shelly Cloud zugreifen: <https://my.shelly.cloud/>

Was ist Shelly Motion?

Benachrichtigung, sobald eine Bewegung erkannt wird, oder schaltet das Licht sofort ein. Der eingebaute Beschleunigungsmesser bietet Schutz, wenn jemand versucht, das Gerät zu verschieben oder zu bewegen. Der eingebaute Lichtsensor bietet

zusätzliche Möglichkeiten für die Heim- oder Büroautomation. Shelly Motion verfügt über einen eingebauten 6500-mAh-Akku, mit dem der Sensor bis zu 3 Jahre lang ohne Aufladen mit dem Internet verbunden werden kann (Standby-Modus) und bei aktiver Übertragung (ca. 6 Stunden / Tag Bewegung erkannt) zwischen 12 und 18 Monate.

Spezifikation

- Arbeitstemperatur -10 ÷ 50 ° C.
- Funkprotokoll WiFi 802.11 b / g / n
- Frequenz 2412 - 2472 MHz (max. 2483.5 MHz)
- Betriebsreichweite (abhängig von der örtlichen Konstruktion) bis zu 50 m im Freien oder bis zu 30 m im Innenbereich
- Batterie - 6500mAh 3,7V

Visuelle Angaben

Der Bewegungssensor ist mit einer LED-Diode ausgestattet, die die Betriebsarten und Alarmer des Sensors signalisiert.

Blaues Licht blinkt nicht	Einschlussmodus
Rotes Licht blinkt	Bewegung erkannt und gemeldet
Grünes Licht blinkt	Bewegung erkannt, Berichterstellung deaktiviert
Blau / Grün / Rot-Sequenz	Neustart oder Vibration erkannt
Blaues Licht blinkt	Firmware Update
Blaues Licht einmal blinken	Einstellungen ändern sich

Tastenbenutzerinteraktion

Drücken Sie die Taste mit dem Stift wie gezeigt

- Kurzes Drücken (AP-Modus) - Aufwecken aus dem AP-Schlafmodus (AP ist nur für 3 Minuten und Gerät ausgeschaltet, Akkuspart Transportmodus)
- Kurz drücken (STA MODE) - Sendestatus
- 5 Sekunden lang drücken (STA-Modus) - AP-Modus
- Langes Drücken 10 Sek. (STA-Modus) - Werksreset



Installationsanleitung

⚠ VORSICHT! Bevor Sie mit der Installation beginnen, lesen Sie bitte die zugehörige Dokumentation sorgfältig und vollständig durch. Die Nichtbeachtung der empfohlenen Verfahren kann zu Fehlfunktionen, Lebensgefahr oder Gesetzesverstößen führen. Allterco Robotics haftet nicht für Verluste oder Schäden im Falle einer fehlerhaften Installation oder eines fehlerhaften Betriebs dieses Geräts.

⚠ VORSICHT! Lassen Sie Kinder nicht mit dem Gerät spielen, insbesondere nicht mit dem Netzschalter. Halten Sie die Geräte zur Fernsteuerung von Shelly (Mobiltelefone, Tablets, PCs) von Kindern fern.

So montieren und montieren Sie die Shelly Motion

1. In Ihrem Paket wie in **Abb. 1** finden Sie den Körper der Shelly Motion, Kugelarmplatte und Wandplatte.
2. Setzen Sie die Kugelarmplatte auf den Körper von Shelly Motion (**siehe Abb. 1**). 2.
3. Drehen Sie die Kugelarmplatte im Uhrzeigersinn (**siehe Abb. 1**). 3.
4. Setzen Sie die Wandplatte auf die Kugelarmplatte - **Abb. 4**.
5. Der zusammengebaute Shelly Motion Sensor sollte wie in **Abb. 1** aussehen. 5.
6. Befestigen Sie Ihren Shelly Motion mit dem in diesem Paket enthaltenen Verriegelungsdübel an der Wand.

Shelly Motion Erfassungsbereich

Shelly Motion hat eine Reichweite von 8 m. Die optimale Montage-

höhe liegt zwischen 2,2m/7,2ft und 2,5m/8,2ft.

⚠ VORSICHT! Shelly Motion hat einen Meter vor dem Sensor den Bereich „Keine Erkennung“ - Abb. 6

⚠ VORSICHT! Shelly Motion hat einen Bereich „keine Erkennung“ einen Meter hinter festen Objekten (Sofa, Schrank usw.) - Abb. 7 und Abb. 8

⚠ VORSICHT! Shelly Motion kann keine Bewegung durch transparente Objekte erkennen.

⚠ VORSICHT! Direktes Sonnenlicht oder nahe Heizquellen können eine falsche Bewegungserkennung auslösen.

KONFORMITÄTSERKLÄRUNG

Hiermit erklärt Allterco Robotics EOOD, dass der Funkgerätetyp Shelly Motion der Richtlinie 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter folgender Internetadresse verfügbar <https://shelly.cloud/knowledge-base/devices/shelly-motion/>

Hersteller: Allterco Robotics EOOD

Adresse: Bulgarien, Sofia, 1407, 103 Cherni vrah Blvd.

Tel.: +359 2 988 7435

E-Mail: support@shelly.cloud

Web: <http://www.shelly.cloud>

Änderungen der Kontaktdaten werden vom Hersteller auf der offiziellen Website des Geräts veröffentlicht

<http://www.shelly.cloud>

Der Benutzer ist verpflichtet, über Änderungen dieser Garantiebedingungen informiert zu bleiben, bevor er seine Rechte gegenüber dem Hersteller ausübt.

Alle Rechte an den Marken She® und Shelly® sowie andere mit diesem Gerät verbundene geistige Rechte liegen bei Allterco Robotics EOOD.

SHELLY MOTION WIFI SENSOR

Informazioni introduttive sui prodotti Shelly

Shelly® è una famiglia di Dispositivi innovativi, che consentono il controllo remoto di apparecchi elettrici tramite telefono cellulare, PC o sistema domotico. I dispositivi Shelly® utilizzano la connettività WiFi e possono essere controllati dalla stessa rete o tramite accesso remoto (qualsiasi connessione Internet). I dispositivi Shelly® possono funzionare autonomamente sulla rete WiFi locale, senza essere gestiti da un controller domotico, oppure possono funzionare anche tramite servizi cloud domotici, accedendo da remoto da qualunque luogo l'Utente disponga di connettività Internet. Shelly® dispone di un server web integrato, attraverso il quale l'Utente può regolare, controllare e monitorare il Dispositivo. Shelly® ha due modalità WiFi: Access Point (AP) e modalità Client (CM). Per funzionare in modalità client, è necessario che un router WiFi si trovi entro la portata del dispositivo. I dispositivi Shelly® possono comunicare direttamente con altri dispositivi WiFi tramite protocollo HTTP. Un'API può essere fornita dal produttore. I dispositivi Shelly® possono essere disponibili per il monitoraggio e il controllo anche se l'Utente si trova al di fuori della portata della rete WiFi locale, purché il router WiFi sia connesso a Internet. Potrebbe essere utilizzata la funzione cloud, che viene attivata tramite il server web del Dispositivo o tramite le impostazioni nell'applicazione mobile Shelly Cloud. L'Utente può registrarsi e accedere a Shelly Cloud, utilizzando applicazioni mobili Android o iOS, o qualsiasi browser Internet e il sito web: <https://my.shelly.cloud/>

Cosa è Shelly Motion

Shelly Motion è un sensore di movimento WiFi ad alta sensibilità a bassissimo consumo energetico che rimane connesso a Internet 24 ore su 24, 7 giorni su 7 e non è necessario alcun HUB aggiuntivo per controllarlo. Shelly Motion invia una notifica una volta rilevato il movimento o accenderà immediatamente le luci. Ha un accelerometro integrato che fornisce protezione quando qualcuno cerca di dislocare o spostare il dispositivo. Il sensore di luce

integrato offre ulteriori opportunità per l'automazione domestica o in ufficio. Shelly Motion ha una batteria ricaricabile incorporata da 6500 mAh che consente al sensore di essere connesso a Internet (modalità standby) per un massimo di 3 anni senza ricarica, e in trasmissione attiva (circa 6 ore / giorno di movimento rilevato) stimata tra 12 e 18 mesi.

Specifica

- Temperatura di lavoro -10 ÷ 50 ° C
- Protocollo radio WiFi 802.11 b / g / n
- Frequenza 2412 - 2472 MHz (max. 2483.5 MHz)
- Portata operativa (a seconda della costruzione locale) fino a 50 m all'aperto o fino a 30 m all'interno
- Batteria - 6500 mAh 3,7 V.

Indicazioni visive

Il sensore di movimento è dotato di un diodo LED, che segnala le modalità operative e gli allarmi del sensore.

Luce blu non lampeggiante	Modalità inclusione
La luce rossa lampeggia	Movimento rilevato e segnalato
La luce verde lampeggia	Rilevato movimento, segnalazione disattivata
Sequenza blu / verde / rosso	Riavvio o vibrazione rilevati
La luce blu lampeggia	Aggiornamento del firmware
Luce blu lampeggiante singolo	Modifica delle impostazioni

Pulsante di interazione utente

Usa il pin per premere il pulsante come mostrato.

- Short press (AP mode) - wake-up from AP sleep mode (AP is only for 3 minute and device power OFF, battery save transportation mode)
- Short press (STA MODE) - send status
- Long press 5 sec (STA mode) - AP mode

- Long press 10 sec (STA mode) - Factory reset



Istruzioni per l'installazione

⚠ ATTENZIONE! Prima di iniziare l'installazione, leggere attentamente e completamente la documentazione allegata. La mancata osservanza delle procedure consigliate potrebbe causare malfunzionamenti, pericolo per la vita o violazione della legge. Allterco Robotics non è responsabile per eventuali perdite o danni in caso di installazione o funzionamento errati di questo dispositivo.

⚠ ATTENZIONE! Non consentire ai bambini di giocare con il dispositivo, specialmente con il pulsante di accensione. Tenere i dispositivi per il controllo remoto di Shelly (telefoni cellulari, tablet, PC) lontano dalla portata dei bambini.

Come assemblare e montare lo Shelly Motion

1. Nella confezione, come mostrato in **fig. 1** troverai il corpo dello Shelly Motion, la piastra del braccio a sfera e la piastra a muro.
2. Posizionare la piastra del braccio della sfera sul corpo di Shelly Motion come mostrato in **fig. 2**
3. Ruotare la piastra del braccio della sfera in senso orario come mostrato in **fig. 3**
4. Posizionare la piastra a muro sulla piastra del braccio a sfera - **fig 4**
5. Il sensore di movimento Shelly assemblato dovrebbe assomigliare alla **fig. 5**
6. Utilizzare il tassello di bloccaggio fornito in questo pacchetto

per montare Shelly Motion sulla parete.

Area di rilevamento di Shelly Motion

Shelly Motion ha una portata di 8 metri o 25 piedi. L'altezza ottimale per il montaggio è compresa tra 2,2m/7,2ft e 2,5m/8,2ft piedi.

⚠ ATTENZIONE! *Shelly Motion ha un'area "Nessun rilevamento" un metro davanti al sensore - fig. 6*

⚠ ATTENZIONE! *Shelly Motion ha un'area "Nessun rilevamento" un metro dietro gli oggetti solidi (divano, armadio, ecc.) - fig. 7 e fig. 8*

⚠ ATTENZIONE! *Shelly Motion non è in grado di rilevare il movimento attraverso oggetti trasparenti.*

⚠ ATTENZIONE! *La luce solare diretta o le fonti di calore vicine possono attivare il rilevamento di falsi movimenti.*

DICHIARAZIONE DI CONFORMITÀ

Con la presente, Allterco Robotics EOOD dichiara che il tipo di apparecchiatura radio Shelly Motion è conforme alla Direttiva 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet <https://shelly.cloud/knowledge-base/devices/shelly-motion/>

Produttore: Allterco Robotics EOOD

Indirizzo: Bulgaria, Sofia, 1407, 103 Cherni vrah Blvd.

Tel.: +359 2 988 7435

E-mail: support@shelly.cloud

Web: <http://www.shelly.cloud>

Le modifiche ai dati di contatto sono pubblicate dal Produttore sul sito web ufficiale del Dispositivo <http://www.shelly.cloud>

L'Utente è tenuto a rimanere informato per eventuali modifiche dei presenti termini di garanzia prima di esercitare i propri diritti nei confronti del Produttore.

Tutti i diritti sui marchi She® e Shelly® e altri diritti intellettuali associati a questo Dispositivo appartengono a Allterco Robotics EOOD.

EL SENSOR DE MOVIMIENTO WIFI SHELLY

Introducción a Shelly

Shelly® es una familia de dispositivos innovadores que permiten controlar a distancia los electrodomésticos a través de un teléfono móvil, un PC o un sistema de domótica. Los dispositivos Shelly® utilizan la conectividad WiFi y pueden ser controlados desde la misma red o por acceso remoto (cualquier conexión a Internet). Los dispositivos Shelly® pueden funcionar de forma autónoma en la red WiFi local, sin necesidad de ser gestionados por un controlador domótico, o también pueden funcionar a través de servicios domóticos basados el Cloud, accediendo de forma remota desde cualquier lugar en el que el usuario tenga conexión a Internet. Shelly® cuenta con un servidor web integrado, a través del cual el usuario puede configurar, controlar y supervisar el dispositivo. Shelly® dispone de dos modos de WiFi: modo punto de acceso (AP) y modo cliente (CM). Para funcionar en modo cliente, debe haber un router WiFi dentro del alcance del dispositivo. Los dispositivos Shelly® pueden comunicarse directamente con otros dispositivos WiFi mediante el protocolo HTTP. El fabricante puede proporcionar una API. Los dispositivos Shelly® pueden estar disponibles para su supervisión y control incluso si el usuario está fuera del alcance de la red WiFi local, siempre que el router WiFi esté conectado a Internet. La función Cloud podría utilizarse, si está habilitada por el servidor web del dispositivo o por la configuración de la aplicación móvil Shelly Cloud. El usuario puede registrarse y acceder a Shelly Cloud, utilizando las aplicaciones móviles Android o iOS, o cualquier navegador de Internet y el sitio web: <https://my.shelly.cloud/>

¿Qué es Shelly Motion?

Shelly Motion es un sensor de movimiento WiFi de alta sensibilidad y muy bajo consumo que permanece conectado a Internet las 24 horas del día sin necesidad de un HUB adicional para controlarlo. Shelly Motion envía una notificación en cuanto se detecta movimiento, o enciende las luces al instante. Dispone de un ace-

lerómetro integrado que proporciona protección cuando alguien intenta mover o modificar el dispositivo. El sensor de luz incorporado ofrece posibilidades adicionales para la automatización del hogar o la oficina. Shelly Motion lleva incorporada una batería recargable de 6500mAh que permite que el sensor esté conectado a Internet (modo de espera) durante 3 años sin ser recargado, y en transmisión activa (aproximadamente 6 horas/día de movimiento detectado) se estima entre 12 y 18 meses.

Especificaciones

- Temperatura de funcionamiento -10 ÷ 50°C
- Protocolo de radio WiFi 802.11 b/g/n
- Frecuencia 2412 - 2472 MHz (max. 2483.5 MHz)
- Alcance operativo (dependiendo de la construcción local) hasta 50 m en exterior o hasta 30 m en interior
- Batería - 6500mAh 3.7V

Señales visuales

El sensor de movimiento está equipado con un diodo LED, que indica los modos de funcionamiento del sensor y las alarmas.

Luz azul no parpadeante	Modo de inclusión
Luz roja parpadeante	Movimiento detectado y comunicado
Luz verde parpadeante	Movimiento detectado, señalización desactivada
Secuencia azul/verde/rojo	Reinicio o vibración detectada
Luz azul parpadeante	Actualización del firmware
Luz azul con un solo destello	Modificación de los parámetros

Botón de la interfaz del usuario

Use el alfiler para pulsar el botón como se muestra.

- Presión corta (modo PA) - despertar del modo de espera PA (PA sólo dura 3 minutos y el dispositivo está apagado, modo de transporte con ahorro de batería)

- Pulsación corta (STA MODE) - estado de envío
- Presión larga 5 seg. (modo STA) - modo PA
- Presión larga 10 seg. (modo STA) - Restablecer los ajustes de fábrica.



Instrucciones de instalación

⚠ ¡ATENCIÓN! Antes de comenzar la instalación, por favor, lea la documentación adjunta con cuidado y completamente. El incumplimiento de los procedimientos recomendados puede dar lugar a un mal funcionamiento, peligro para su vida o violación de la ley. Allterco Robotics no se hace responsable de ninguna pérdida o daño que resulte de la instalación o uso inadecuado de esta unidad.

⚠ ¡ATENCIÓN! No permita que los niños jueguen con la unidad, especialmente con el botón de encendido. Mantenga los dispositivos de control remoto de Shelly (teléfonos móviles, tabletas, PC) fuera del alcance de los niños.

Cómo montar el Shelly Motion

1. En su paquete, como se muestra en la **imagen 1**, encontrará el cuerpo del Shelly Motion, la placa del brazo de bola y la placa de pared.
2. Coloque la placa del brazo de bola en el cuerpo del Shelly Motion como se muestra en la **imagen 2**.
3. Gire la placa del brazo de la bola en el sentido de las agujas del reloj como se muestra en la **imagen 3**.
4. Coloque la placa de la pared en la placa del brazo de la bola - **img. 4**
5. El sensor Shelly Motion ensamblado debe tener el aspecto de la **imagen 5**.

6. Utilice el pasador de bloqueo suministrado en este paquete para fijar su Shelly Motion a la pared.

Zona de detección de Shelly Motion

Shelly Motion tiene un rango de 20 o 25 pies. La altura óptima para el montaje es entre 2,2m/7,2ft y 2,5m/8,2ft.

 **¡ATENCIÓN!** El Shelly Motion tiene un rango de "no detección" de un metro delante del sensor - imagen. 6

 **¡ATENCIÓN!** El Shelly Motion tiene una zona de "no detección" de un metro detrás de los objetos sólidos (sofá, armario, etc.) - imagen. 7 e imagen. 8

 **¡ATENCIÓN!** Shelly Motion no puede detectar el movimiento a través de objetos transparentes.

 **¡ATENCIÓN!** La luz solar directa o las fuentes de calor cercanas pueden causar una falsa detección de movimiento.

DECLARACIÓN DE CONFORMIDAD

Por la presente, Allterco Robotics EOOD declara que el equipo de radio tipo Shelly Motion cumple con la Directiva 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. El texto completo de la declaración UE de conformidad está disponible en la siguiente dirección de Internet

<https://shelly.cloud/knowledge-base/devices/shelly-motion/>

Manufacturer: Allterco Robotics EOOD

Address: Bulgaria, Sofia, 1407, 103 Cherni vrah Blvd.

Tel.: +359 2 988 7435

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Los cambios en los datos de contacto son publicados por el Fabricante en el sitio web oficial del Dispositivo: <http://www.shelly.cloud>

El Usuario está obligado a mantenerse informado de cualquier modificación de estos términos de garantía antes de ejercer sus derechos frente al Fabricante.

Todos los derechos de las marcas comerciales She® y Shelly®, y otros derechos intelectuales asociados con este Dispositivo pertenecen a Allterco Robotics EOOD.

DETETOR DE MOVIMENTO SHELLY WIFI

Introdução à Shelly

Shelly® é uma gama de Dispositivos inovadores, que permitem o controlo remoto de outros electrodomésticos através de telemóvel, PC ou um sistema de automação doméstica. Os dispositivos Shelly® utilizam conectividade WiFi e podem ser controlados dentro da mesma rede ou através de um acesso remoto (uma qualquer ligação de internet). Os dispositivos Shelly® podem funcionar isoladamente na rede WiFi local, sem necessidade de um sistema de automação ou então através de um sistema de automação na “nuvem”, acedendo remotamente a partir de onde o utilizador efetua a ligação à Internet. Shelly® possui um servidor de internet integrado através do qual o Utilizador pode configurar, controlar e monitorizar o Dispositivo. Shelly® tem dois modos WiFi - ponto de acesso ([access Point] AP) e modo cliente ([Client mode] CM). Para operar em Client Mode, um router WiFi tem de estar localizado dentro do alcance do Dispositivo. Os Dispositivos Shelly® podem comunicar diretamente com outros dispositivos WiFi com o protocolo HTTP. Uma App de controlo é disponibilizada pelo fabricante. Os Dispositivos Shelly® podem ser monitorizados e controlados mesmo que o Utilizador se encontre fora de alcance da rede WiFi, desde que o router WiFi esteja ligado à internet. A função de ligação em “nuvem” pode ser usada, sendo esta activada através do servidor web do Dispositivo ou através das configurações na App móvel Shelly Cloud. O Utilizador pode registar-se e aceder à Shelly Cloud, usando aplicações para Android ou iOS, ou qualquer navegador de internet e o site: <https://my.shelly.cloud/>

O que é Shelly Motion

Shelly® Motion é um sensor de movimento WiFi, altamente sensível e com um consumo de energia ultra-baixo que se pode ligar à internet 24/7 e não necessita de nenhum HUB adicional para o controlar. Shelly® Motion envia uma notificação ou aciona luzes imediatamente, assim que deteta movimento. Possui também um acelerómetro que proporciona proteção quando alguém tenta

remover ou deslocar o dispositivo. O sensor luminoso integrado proporciona oportunidades adicionais para automação em casa ou no escritório. Shelly® Motion possui uma bateria integrada e recarregável de 6500mAh que permite ao sensor estar ligado à Internet (modo standby) por um período de até 3 anos sem recarregar, e um período estimado entre 12 e 18 meses em transmissão ativa (aprox. 6 horas/dia com detecção de movimento).

Especificações

- Temperatura de funcionamento -10 ÷ 50°C
- Protocolo de rádio - WiFi 802.11 b/g/n
- Frequência - 2412 - 2472 MHz (max. 2483.5 MHz)
- Alcance de funcionamento (dependendo da construção do local) até 50 m ao ar livre ou até 30 m em espaços fechados
- Bateria - 6500mAh 3,7V

Indicações visuais

O Detetor de Movimento está equipado com um diodo LED, sinalizando os modos de funcionamento e alarmes.

Luz azul contínua	Modo de inclusão
Luz vermelha intermitente	Movimento detetado e reportado
Luz verde intermitente	Movimento detetado, reporte desativado
Sequência Azul/Verde/Vermelho	Reinicialização ou Vibração detetada
Luz azul intermitente	Atualização de Firmware
Luz azul, piscar único	Alteração de configuração

Interação com o interruptor

Use um objeto ponteaguado para pressionar como ilustrado.

- Pressione brevemente (modo AP) - acorda do modo de descanso (AP é apenas por 3 minutos e o dispositivo desliga, modo de poupança de bateria)
- Pressione brevemente (modo STA) - envia estado

- Pressione por 5 segundos (modo STA) - Modo AP
- Pressione por 10 segundos (modo STA) - Configuração de fábrica.



Instruções de Instalação

⚠ ATENÇÃO! Antes de iniciar a instalação, por favor leia na íntegra e com atenção a documentação que acompanha o dispositivo. O incumprimento dos procedimentos e recomendações pode dar origem a avarias, colocar em perigo a sua vida ou violar a lei. Allterco Robotics não se responsabiliza por quaisquer perdas ou danos em caso de instalação ou operação incorrecta deste dispositivo.

⚠ ATENÇÃO! Não deixe crianças brincarem com este dispositivo, especialmente com o Interruptor. Não deixe os dispositivos de controlo remoto do Shelly (telemóveis, tablet, PCs) ao alcance de crianças.

Como montar e instalar o seu Shelly Motion

1. Na embalagem, tal como ilustrado na **fig. 1**, encontrará a parte principal do Shelly Motion, o braço de suporte e um suporte de parede.
2. Encaixe o braço de suporte na parte principal do Shelly Motion tal como ilustrado na **fig. 2**.
3. Rode o braço de suporte no sentido dos ponteiros do relógio tal como ilustrado na **fig. 3**.
4. Encaixe a suporte de parede no braço de suporte - **fig 4**.
5. O sensor Shelly Motion deve ficar igual à **fig. 5**.

6. Use o pino de travamento fornecido com o produto para montar o seu Shelly Motion na parede.

Área de detecção do Shelly Motion

Shelly Motion tem um alcance de 8m ou 25 pés. A altura recomendada para a montagem é entre 2,2m/7,2ft e 2,5m/8,2ft.

⚠ ATENÇÃO! *Shelly Motion tem uma área "sem detecção" 1 m à frente do sensor - fig. 6*

⚠ ATENÇÃO! *Shelly Motion tem uma área "sem detecção" 1 m atrás de objetos sólidos (sofá, armário, etc.) - fig. 7 e fig. 8*

⚠ ATENÇÃO! *Shelly Motion não deteta movimento através de objetos transparentes.*

⚠ ATENÇÃO! *Luz solar direta ou fontes de calor próximas podem produzir falsas detecções de movimento.*

Declaração de conformidade

Pelo presente, Allterco Robotics EOOD declara que o equipamento de rádio do tipo Shelly Motion está em conformidade com a Diretiva 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. O texto completo da declaração de conformidade da U.E. está disponível no seguinte endereço online

<https://shelly.cloud/knowledge-base/devices/shelly-motion/>

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As alterações nos dados de contato são publicadas pelo Fabricante no site oficial do Dispositivo:

<http://www.shelly.cloud>

O usuário é obrigado a manter-se informado sobre qualquer alteração destes termos de garantia antes de exercer os seus direitos contra o Fabricante.

Todos os direitos para as marcas registadas She® e Shelly® e outros direitos intelectuais associados a este Dispositivo pertencem à Allterco Robotics EOOD.

SHELLY MOTION WIFI SENSOR

Présentation de Shelly

Shelly® est une famille de dispositifs innovants, qui permettent de contrôler à distance des appareils électriques par le biais d'un téléphone portable, d'un PC ou d'un système domotique. Les Shelly® Devices utilisent la connectivité WiFi et peuvent être contrôlés à partir du même réseau ou par un accès à distance (toute connexion Internet). Les Shelly® Devices peuvent fonctionner de manière autonome sur le réseau WiFi local, sans être gérés par un contrôleur domotique, ou peuvent également fonctionner par le biais de services de domotique sur le Cloud, en accédant à distance depuis n'importe quel endroit où l'utilisateur dispose d'une connexion Internet. Shelly® dispose d'un serveur web intégré, grâce auquel l'utilisateur peut régler, contrôler et surveiller le dispositif. Shelly® dispose de deux modes WiFi - le mode point d'accès (AP) et le mode client (CM). Pour fonctionner en mode client, un routeur WiFi doit être situé à portée de l'appareil. Les appareils Shelly® peuvent communiquer directement avec d'autres appareils WiFi par le biais du protocole HTTP. Une API peut être fournie par le fabricant. Les appareils Shelly® peuvent être disponibles pour la surveillance et le contrôle même si l'utilisateur se trouve en dehors de la portée du réseau WiFi local, tant que le routeur WiFi est connecté à Internet. La fonction Cloud pourrait être utilisée, si elle est activée par le serveur web de l'appareil ou par les paramètres de l'application mobile Shelly Cloud. L'utilisateur peut s'enregistrer et accéder à Shelly Cloud, en utilisant soit les applications mobiles Android ou iOS, soit n'importe quel navigateur internet et le site web: <https://my.shelly.cloud/>

Qu'est-ce que Shelly Motion?

Shelly Motion est un capteur de mouvement WiFi à haute sensibilité et à très faible consommation d'énergie qui reste connecté à Internet 24 heures sur 24 et 7 jours sur 7, sans qu'un HUB supplémentaire soit nécessaire pour le contrôler. Shelly Motion envoie une notification dès qu'un mouvement est détecté, ou il allume instantanément les lumières. Il est doté d'un accéléromètre intégré

qui assure une protection lorsque quelqu'un tente de déplacer ou de modifier l'appareil. Le capteur de lumière intégré offre des possibilités supplémentaires pour la domotique ou la bureautique. Shelly Motion possède une batterie rechargeable intégrée de 6500mAh qui permet au capteur d'être connecté à Internet (mode veille) pendant 3 ans sans être rechargé, et en transmission active (environ 6 heures/jour de mouvement détecté) estimée entre 12 et 18 mois.

Spécifications

- Température de fonctionnement -10 ÷ 50°C
- Protocole radio WiFi 802.11 b/g/n
- Fréquence 2412 - 2472 MHz (max. 2483.5 MHz)
- Portée opérationnelle (selon la construction locale) jusqu'à 50 m à l'extérieur ou jusqu'à 30 m en intérieur
- Batterie - 6500mAh 3,7V

Indications visuelles

Le capteur de mouvement est équipé d'une diode LED, signalant les modes de fonctionnement du capteur et les alarmes.

Lumière bleue non clignotante	Mode d'inclusion
Clignotement de la lumière rouge	Mouvement détecté et signalé
Clignotement de la lumière verte	Mouvement détecté, signalement désactivé
Séquence bleue/verte/rouge	Redémarrage ou vibration détecté
Clignotement de la lumière bleue	Mise à jour du microprogramme
Lumière bleue avec un seul clignotement	Modification des paramètres

Bouton d'interaction utilisateur

Utilisez l'épingle pour appuyer sur le bouton comme indiqué.

- Pression courte (mode PA) - réveil du mode de veille PA (PA ne dure que 3 minutes et l'appareil est éteint, mode de transport économiseur de batterie)
- Presse courte (MODE STA) - état d'envoi

- Pression longue 5 sec (mode STA) - Mode PA
- Pression longue 10 sec (mode STA) - Réinitialisation des paramètres d'usine.



Instructions d'installation

⚠ ATTENTION! Avant de démarrer l'installation, veuillez lire attentivement et entièrement la documentation qui l'accompagne. Le non-respect des procédures recommandées peut entraîner un dysfonctionnement, un danger pour votre vie ou une violation de la loi. Allterco Robotics n'est pas responsable de toute perte ou dommage en cas d'installation ou d'utilisation incorrecte de cet appareil.

⚠ ATTENTION! Ne laissez pas les enfants jouer avec l'appareil, en particulier le bouton d'alimentation. Gardez les appareils de contrôle à distance Shelly (téléphones portables, tablettes, PC) hors de portée des enfants.

Comment assembler et monter le Shelly Motion

1. Dans votre colis, comme le montre **l'image 1**, vous trouverez le corps du Shelly Motion, la plaque de bras sphérique et la plaque murale.
2. Placez la plaque de bras à bille sur le corps du Shelly Motion comme indiqué sur **l'image 2**.
3. Tournez la plaque du bras à billes dans le sens des aiguilles d'une montre, comme indiqué sur **l'image 3**.
4. Placez la plaque murale sur la plaque du bras à billes - **img. 4**.
5. Le capteur Shelly Motion assemblé devrait ressembler à **l'image 5**.
6. Utilisez la cheville de verrouillage fournie dans ce package pour

fixer votre Shelly Motion au mur.

Zone de détection du Shelly Motion

Shelly Motion a une portée de 8m ou 25ft. La hauteur optimale pour le montage se situe entre 2,2m/7,2ft et 2,5m/8,2ft.

⚠ ATTENTION! *Le Shelly Motion a une zone de «non détection» d'un mètre devant le capteur - image. 6*

⚠ ATTENTION! *Le Shelly Motion a une zone de «non détection» d'un mètre derrière les objets solides (canapé, placard, etc.) - image. 7 et image. 8*

⚠ ATTENTION! *Shelly Motion ne peut pas détecter les mouvements à travers des objets transparents.*

⚠ ATTENTION! *La lumière directe du soleil ou des sources de chaleur proches peuvent déclencher une fausse détection de mouvement.*

Déclaration de conformité

Par la présente, Allterco Robotics EOOD déclare que l'équipement radio de type Shelly Motion est conforme à la directive 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. Le texte complet de la déclaration de conformité de l'UE est disponible à l'adresse internet suivante

<https://shelly.cloud/knowledge-base/devices/shelly-motion/>

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Courrier électronique: support@shelly.cloud

Web: <http://www.shelly.cloud>

Les modifications des données de contact sont publiées par le fabricant sur le site web officiel du dispositif :

<http://www.shelly.cloud>

L'utilisateur est tenu de se tenir informé de toute modification des présentes conditions de garantie avant d'exercer ses droits à l'encontre du fabricant. Tous les droits sur les marques She® et Shelly®, ainsi que les autres droits intellectuels associés à ce dispositif appartiennent à Allterco Robotics EOOD.



HOW TO SETUP AND USE

⚠ IMPORTANT! *Before beginning the installation, please read the accompanying documentation carefully and completely. Failure to follow recommended procedures could lead to malfunction, danger to your life or violation of the law. Allterco Robotics is not responsible for any loss or damage in case of incorrect installation or operation of this device!*

⚠ WARNING! *Do not allow children to play with the device, especially with the Power Button. Keep the devices for remote control of Shelly (mobile phones, tablets, PCs) away from children.*

COMPATIBILITY

Shelly Motion is compatible with Amazon Echo. Additional information available at: <https://shelly.cloud/compatibility>

BEFORE FIRST USE

Charge the device

Shelly Motion supports fast charging. Use a USB charger with a minimum capacity of 1A/5V DC to take advantage of this feature. It is advisable to fully charge the Shelly motion before using it. During charging you will see a red light next to the USB port which is located at the bottom of the device. When it is fully charged, it will go out.

Power on

To turn on the Shelly Motion, use a stick or pin to press the button next to the USB connector as shown below.



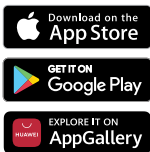
Prepare device for inclusion

To be successfully added to your Wi-Fi network, Shelly Motion must glow **BLUE**. If this is not the case, please use a pin and press and hold the button next to the USB port for 10 seconds. This will put the device in INCLUSION mode and turn its Wi-Fi mode on an Access Point named **shellymotion-xxxxxxx**



INSTALL SHELLY APPLICATION

Shelly Cloud gives you opportunity to control and adjust all Shelly® Devices from anywhere in the world. You only need an internet connection and our mobile application, installed on your smartphone or tablet.



Registration

The first time you load the Shelly Cloud mobile app, you have to create an account which can manage all your Shelly® devices.

Forgotten Password

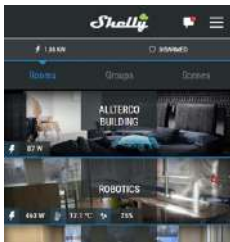
In case you forget or lose your password, just enter the e-mail address you have used in your registration. You will then receive instructions to change your password.

⚠ IMPORTANT! *Be careful when you type your e-mail address during the registration, as it will be used in case you forget your password.*

Include it to your WiFi with Shelly CLOUD APP

⚠ IMPORTANT! *Before adding a new device, your phone **MUST** be connected to the same WiFi network where you want to add devices. **DO NOT** connect your phone to WiFi network created from Shelly devices.*

You need to have at least one created room in the Shelly Cloud App before adding Shelly Motion to it. Otherwise create a room. Click on the hamburger menu icon in the upper right corner .



Choose **ADD DEVICE** from the menu, click on it and follow instructions.

Include it to your WiFi manually

Shelly motion can be added to your home WiFi network without using the Shelly Cloud APP. To do this, search on your PC or phone for a Wi-Fi network named shellymotion-xxxxxxx. Connect to it and open <http://192.168.33.1> with the browser on your phone or computer. Choose Internet and Security menu, enable WiFi mode – CLIENT and enter your WiFi network credentials.



When Shelly Motion connects to your WiFi network, the blue light will go out.

Add device to your account

When the device is added successfully to your WiFi network you will see a new room called "Discovered devices".



⚠ IMPORTANT! *The device you added may require a firmware update before it can be used. In this case, you must wait for this to be done before proceeding. **Do not reboot the sensor until the firmware update is finished. Flashing Blue light followed by 1 minute no light and final Blue/Red/Green sequence is indication of successful firmware update.***

Select the found devices and add them to the room you have selected.



MOTION SENSOR FEATURES AND SETTINGS

After adding the sensor to your account, you can change its settings according to your needs. Settings can be changed both through Shelly Cloud app and through the local web page of the device, which you can open through a browser.

SHELLY CLOUD APP – Motion status

In the Shelly Cloud App movement can be detected both on room and sensor level.



No motion

Motion detected

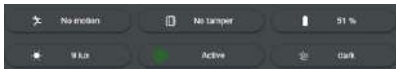
Motion detection deactivated



Vibration or movement is detected.

DEVICE WEB PAGE – MOTION STATUS

Opening device page by IP manually, the following statuses are available: motion status, vibration detection, battery level, light intensity, sensor activity status and lightning mode.



Sensor control

In this menu you can set the basic parameters for the operation of the sensor.

Illumination definitions

Shelly Motion has a built-in light sensor. It measures light intensity in Lux, which can differ from the values measured by other devices, depending on the measurement specifics and location of the device. You can assign three different light modes: Dark, Twilight and Bright. Each light mode can have custom predefined sensitivity values. By default Dark is under 100, Twilight is between 100 and 500 and Bright is above 500.

Motion sensitivity

Allows you to adjust the sensor's level of sensitivity. By default, the value is 50, which allows detection of objects over 15 kg at 5 meters distance. If you have a pet, setting this value will allow the sensor not to detect it while moving. Importantly, large pets can be detected, especially if they stand on their hind legs. You can adjust sensor sensitivity level based on your needs.

Motion blind time

Can be set in the range of 1 to 5 minutes. Within the Blind time period, motion detections will not be reported. Only motions detected after Blind time, will be reported and information will be send.

Motion pulse count

Allows the sensor to send alerts only if motion is repeated. It is usually used to avoid false positives. The default value is 1, if you have false positives you can increase it up to 4.

Motion detection operating mode

Lights control based on certain lighting conditions, The options are "In any light", only when it is dark, "Dusk" or "Light". If the sensor is not in the specified range of illumination, it will not detect movement and will not perform any action.

Tamper alarm sensitivity

Shelly Motion has a built-in accelerometer to detect vibration and temper. If someone is trying to divert or move it from where you placed it you will be notified. You can adjust sensitivity level based on your convenience and location. This may be needed if you use the sensor in a place where there may be vibrations from vehicles or other causes.

Motion sensor

From here you can enable or disable device motion detection. When disabled, the sensor will not send information in case of motion until you Enable it again.

Sleep time

This feature allows you to temporarily disable the sensor to detect and send movement information for certain period of time. After the specified time has expired, the sensor will be reactivated. The sleep time can be terminated manually by enabling it from the Sensor Motion menu.

Weekly scheduling

Schedule timer

Shelly motion supports modes of operations based on day, time, sunrise and sunset parameters. To select the operating mode, select the time or position of the sun and one of the two possible options: Activate / Deactivate motion detection. This allows you to define you to be notified in case of unauthorized movement detection.

Internet & Security

Wifi mode – client

WiFi network settings and information, including the option to set up a fixed IP address.

Wifi client backup

Backup network settings in case the sensor is lost or cannot be connected to the primary WiFi network.

 **ATTENTION!** *After connecting the backup WiFi network, the sensor will remain connected to it until disconnected or restart it.*

Wifi mode - access point

By default, during first use, Shelly Motion creates a network named shellymotion-xxxx without a password. You can change the network name and set a password.

Restrict login

Shelly motion can be set up by opening the IP address on the Wi-Fi network. To restrict access to its built-in Web interface, you can specify a name and password. This is often necessary if the sensor is located in public networks with access by many users.

SNTP server

Server from where the device synchronize time and date.

MQTT and COAP settings

MQTT and COAP settings allowing the sensor to connect directly to 3-party automation systems. Can be enabled/disabled separately.

Cloud

Ability to deactivate or activate the connection to Shelly Cloud. This option works independently of MQTT and CoAP

Actions – Control your other devices directly

This feature allows Shelly motion to control other devices on the local network or the Internet (IFTTT and others) without a cloud or other automation system. If you have a Shelly relay or a light bulb or other device that can be controlled via the Internet, then Shelly Motion can send the command directly. For more information about the commands you can send to control other Shelly

devices directly:

https://shelly.cloud/documents/developers/ddd_communication.pdf
and <https://shelly-api-docs.shelly.cloud/>

The following options for performing URL action are possible:

- Motion detected
- Motion detected in dark
- Motion detected in twilight
- Motion detected in bright
- End of motion detected
- Tamper alarm detected
- End of tamper alarm

Each of them supports up to 5 URLs that will be executed when motion is detected, end of motion or vibration. In addition, each of the 5 action URLs can be limited in time. This allows you to set the sensor to control the light intensity (if you use a Shelly Dimmer or other device with similar capabilities) to be specific to different times of the day. You can also control any other device according to the time of day.

Settings

Led light control

To turn off the light indication when motion or vibration is detected.

Firmware update

Check for a new firmware version and update it.

 **ATTENTION!** *Do not reboot the sensor until Firmware update is finished. Flashing Blue light followed by 1 minute no light and final Blue/Red/Green sequence is indication of successful firmware update.*

Time zone and geo-location

Change your Timezone and set a new location.

Device name

Use a friendly device name, if you use Shelly Cloud APP the name can be automatically populated.

Factory reset

Restore factory settings

Device reboot

Reboots the Shelly Motion.

Device info

Connectivity settings and ID of the device.

Battery lifetime and optimization

Shelly Motion sensor is a battery-powered device that is permanently connected to the Wi-Fi network and the Internet. In stand-by mode it can reach up to 3 years of operation without recharging and in cases of active movement between 12 - 18 months. However, in order to be able to achieve the specified operating times in it is extremely important to comply with the following requirements:

1. Mount the sensor in place with a strong enough WiFi signal. It is desirable that the RSSI is better than -70 dB.
2. Do not open the local page of the device unnecessarily. It is not designed to continuously exchange data to read its settings and status. In case of an event, device will immediately send the necessary information to Cloud, Local Server or execute Actions. If you have opened the local page, close it as soon as you make changes to the settings you want.
3. If the device is set in a place where there is frequent movement, consider whether it is necessary to report it 24/7 or only at certain time intervals, if so, create a Weekly Schedule when to send the information about that.
4. Do not place the device outdoor in direct sunlight, high humidity or the risk of water droplets falling on it. Shelly motion sensor is made for Indoor usage or in well covered places.

Shelly MOTION

CE  RoHS
COMPLIANT

