calibration Shelly 2 / 2.5 - Roller shutter - mode

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Step by Step

Shelly 2 and Shelly 2.5 have integrated power meters, which detect the consumption during movement and when the roller reaches final position. During movement rollers normally consume around 5 Watt to 2000 Watt. Most of the time consumption is more when opening, than when closing because the resistance is higher. When the roller reaches the final top or bottom (Left or right) position there are an integrated micro switches that cut the power to **0 Watt** (in most of cases).

The consumption of a tubular motor, electronic shutter belt, or others, in works must be at least 4 watts, so that the calibration can be completed successfully.

Settings before calibration

The Shelly 2 or Shelly 2.5 should be in Roller Shutter mode.

Settings: DEVICE TYPE: Roller Shutter

1. First check if the power consumption works correct

Open and Close your roller from the App or from the internal WebUI and check are there any measurements. If not, contact with our support, is it possible that your device has a problem with the power consumption chip or firmware issue.

Email: support@shelly.cloud

https://shelly.cloud/contact/

2. Settings: OPEN/CLOSE WORKING TIME

The real running time of the shutter motor for HIGH and DOWN (OPEN / CLOSE) should be determined prior to calibration.

So that the calibration does not stop, the **double running time of the determined real runtime value** should be set.

PAUSE

CLOSE

To open/close partially go to the settings and do a calibration

| Weekly schedule | Internet & Security | Safety | Settings |

Settings

DEVICE TYPE	⌄
POWER ON PARAMETERS	⌄
OPEN/CLOSE WORKING TIME	⌃

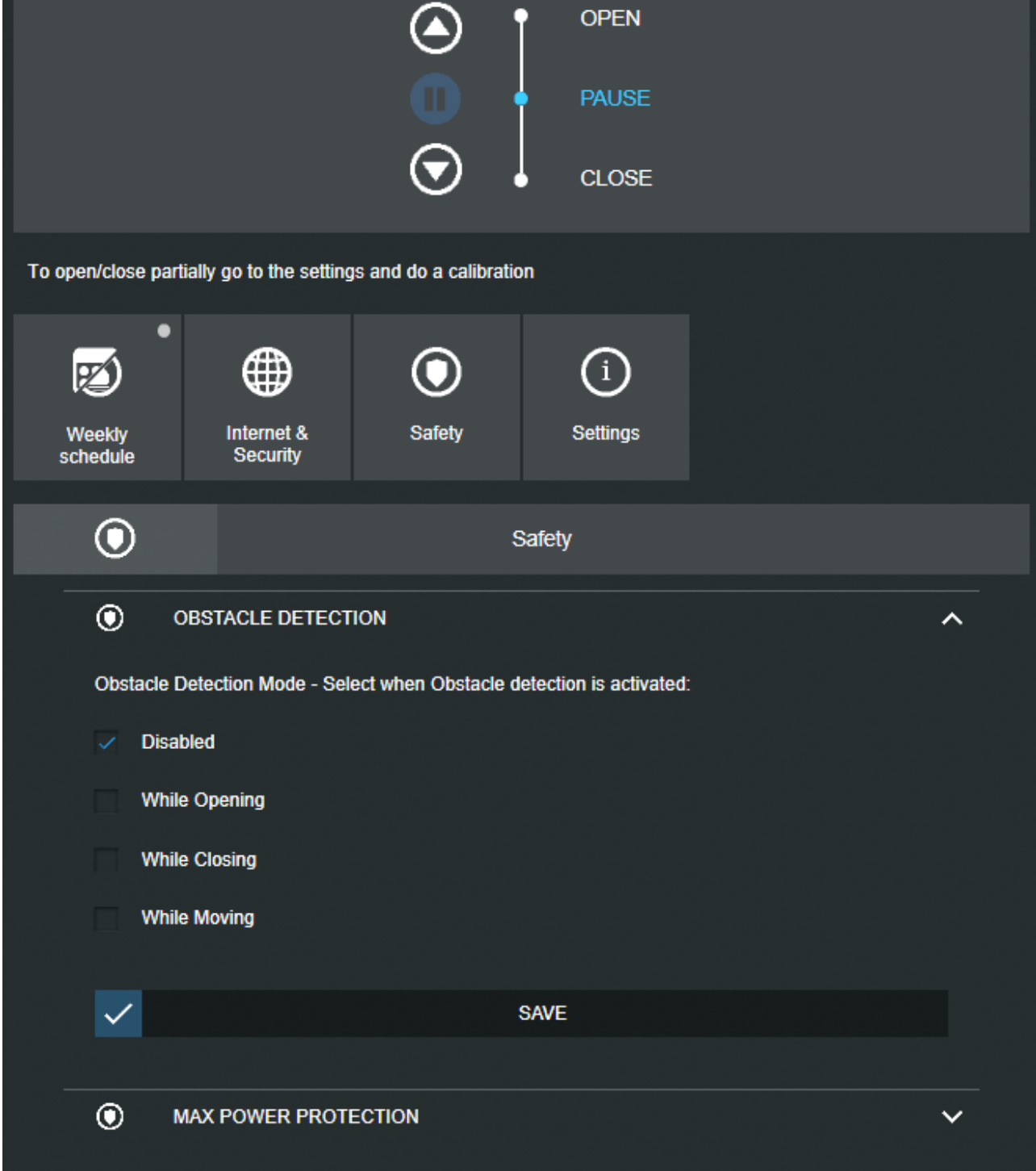Configure Shelly roller to automatically STOP after 120 seconds moving to OPEN state

120

SAVE

Configure Shelly roller to automatically STOP after 120 seconds moving to CLOSE state

120

SAVE
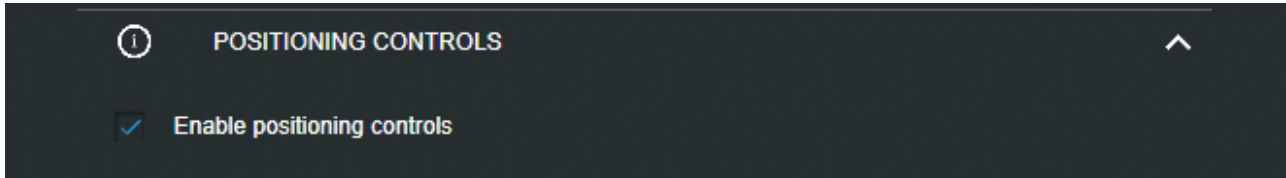
3. Safety: OBSTACLE DETECTION

OPEN

PAUSE

CLOSE

To open/close partially go to the settings and do a calibration

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Safety

OBSTACLE DETECTION ︿

Obstacle Detection Mode - Select when Obstacle detection is activated:

☑ Disabled

☐ While Opening

☐ While Closing

☐ While Moving

☑ SAVE

MAX POWER PROTECTION ⌄
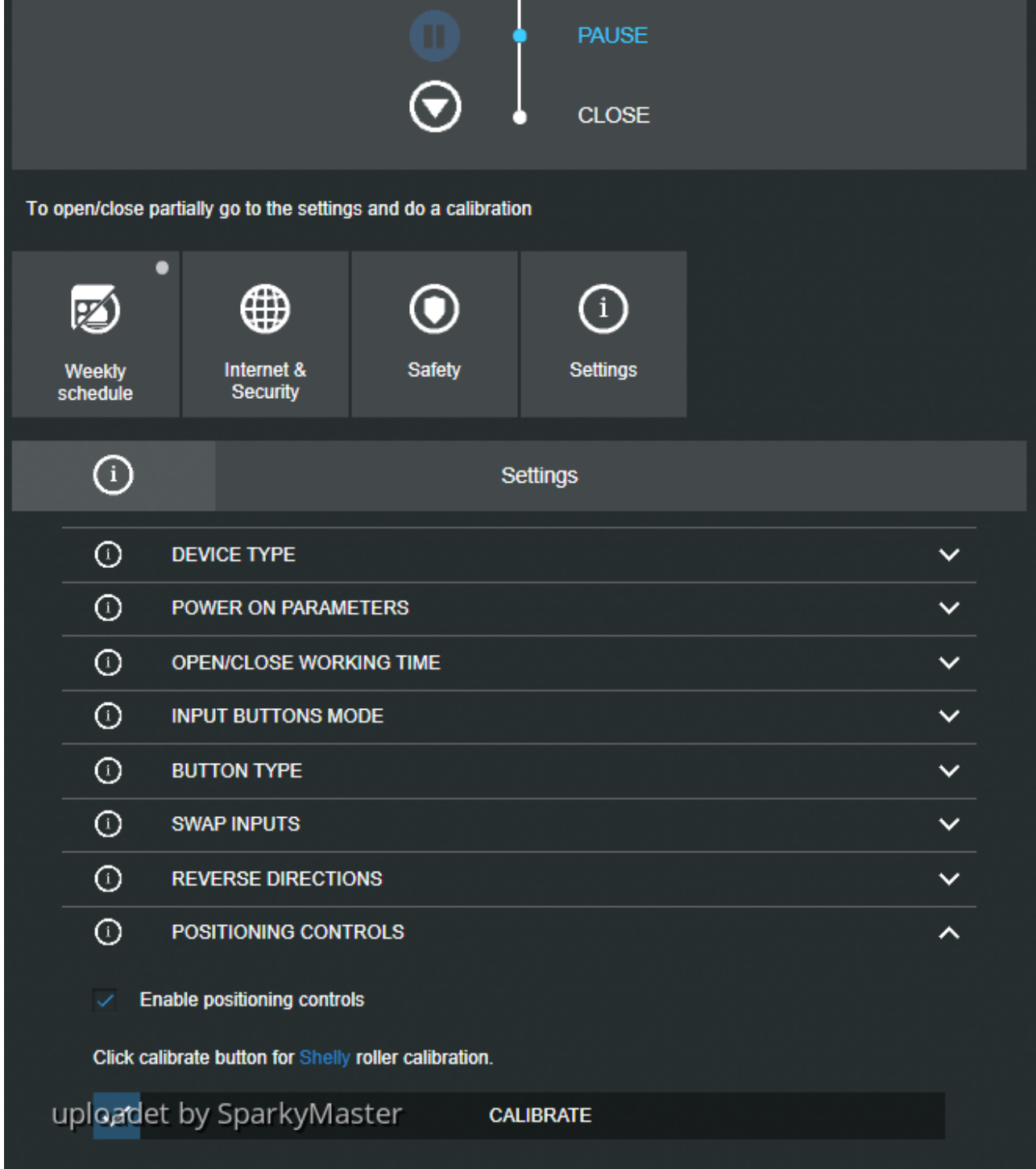
4. Settings: POSITIONING CONTROLS

This option must be **activated!**

5. OPEN (HIGH) shutters completely!

Calibration

The calibration begins with the activation of the **CALIBRATE** button in the Shelly app or in the internal WebUI.

PAUSE

CLOSE

To open/close partially go to the settings and do a calibration

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Settings

	DEVICE TYPE	⌄
ⓘ	DEVICE TYPE	⌄
ⓘ	POWER ON PARAMETERS	⌄
ⓘ	OPEN/CLOSE WORKING TIME	⌄
ⓘ	INPUT BUTTONS MODE	⌄
ⓘ	BUTTON TYPE	⌄
ⓘ	SWAP INPUTS	⌄
ⓘ	REVERSE DIRECTIONS	⌄
ⓘ	POSITIONING CONTROLS	⌃

☑ Enable positioning controls

Click calibrate button for Shelly roller calibration.

uploadet by SparkyMaster   CALIBRATE

When power consumption reaches **0 Watt**, Shelly knows that TOP-position is reached and calibration begins.

Shelly changes direction and closes the roller, at the same time measures power consumption and counts the time.

Then again, when the **final position (CLOSE) is reached and power consumption is 0 Watt**, Shelly **remembers that timing** and starts opening the roller [shutter](#) again. When the **final position (OPEN) is reached and power consumption is 0 Watt** detected, Shelly **remembers this time** period again.

The last action is restored to the last position of the roller from which the calibration began.

If the calibration was successful, the Shelly confirms this with a note. !thumbup: round or type unknown

Trouble Shooting

1. Check all steps "Settings before calibration"!

2. Some rollers do not cut power measurement at all

- The **OPEN / CLOSE WORKING TIME** should **be set to a sufficiently high running time**.

- The [shutter](#), although in the final position, "moves" only in the Shelly app or in the WebUI. The power could be anything between 2-10W.

Then check the Shelly IP. You can find it in **Settings: DEVICE INFORMATION** or in the router network settings.

Then open your PC or phone browser and send the **"adjusted" power for the end positions to Shelly**.

If you roller [shutter](#) has 3W consumption, when final point is reached you need to set 5 (+2):

http://192.168.x.x/settings/roller/0?off_power=5   **Adjust IP-addresses!**

A lot of success!!! ;) :thumbup: round or type unknown