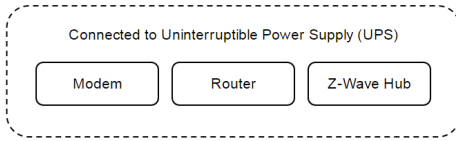


Thank you for buying the Z-Wave Power Out Sensor. We want you to be delighted with your purchase, so please read instructions.

The Z-Wave Power Out Sensor will monitor any 100-240V AC outlet or any USB power source for On/Off status. Receive an alert message via your z-wave hub in the event of a power failure and when power is restored*. Monitor battery level status via your z-wave hub. Within the time limit of your internet system's *battery backup duration.

For proper operation and notifications, the internet for the z-wave system must be available during power outages (system must be on *battery backup).



In the left figure, notice the Modem, Router & Z-wave System/Hub are all powered by an Uninterruptible Power Supply (Battery Backup).

This keeps the internet 'online' in the event of a power failure, so the Z-wave Hub can continue to operate, when the Z-Wave PO Sensor relays a message that the power went out.

For proper operation, the Z-Wave Power Out Sensor must be:

- I. 'Associated' into the Z-Wave System's network.
- II. 'Excluded' from the Z-Wave System's list of monitored Security Sensors.
- III. Setup with a Custom Rule to alert you with a message when the power state changes.

Follow these general setup guidelines below: (referring to guidelines for your specific Z-Wave System/Hub may also be helpful)

I. Associate the Z-Wave Power Out Sensor with Z-Wave System/Hub (pairing)

1. Decide where the sensor will be used. It must set up in the location it will be used for best communication to the hub.
2. **On the Sensor**, lift the 'OPEN' tab slightly on the back, while sliding the cover open (follow direction of the arrow). Completely remove cover.
3. Install 2 AAA 'batteries' (important to follow + and - orientation indicated on the bottom of the battery compartment).
4. **On your Z-Wave Hub's smartphone app**, begin the 'Add New Device' process.
5. **On the Sensor** (inside), press switch 3 times quickly to begin the pairing mode (the front LED should blink rapidly for 30secs indicating the sensor is 'waiting to be found' by your smartphone's app). If the light doesn't blink, try pressing the switch again 3 times quickly.
6. Wait for the app to 'find' the new device (this can sometimes take up to a couple minutes).
7. After it is found, it will indicate it found a generic Open/Closed Sensor (this is normal) and the LED will stop blinking.
8. Proceed through the steps on the app to finish setting up the new device, IMPORTANT to rename the device 'Power'(Open=Off, Closed=On)'.
9. **On the Sensor**, replace the bottom cover.
10. Plug the Sensor's USB cable into the provided 100-240VAC power adapter.
11. Plug the power adapter into a 100-240VAC power outlet (notice the LED will flash quickly, then turn off).
12. Notice the device status on the Smartphone app will change to 'CLOSED' (power is detected by the Sensor).

If the power at the Sensor fails (turns Off), the device status on the app will change to 'OPEN' (no power detected by the Sensor).

II. Exclude from your Z-Wave System's Security Sensors Group

It's important to exclude Power Out Sensor from the list of Security Sensors, since it's not used for security (like a motion or window/door sensor), it's simply to detect power On / Off.

1. On your Z-Wave System's smartphone app, navigate to the list of Security Sensor's screen/list.
2. Make sure the PO Sensor is excluded from the list of monitored security sensors (this setup varies depending on your specific Z-Wave System/Hub).

III. Create a Custom Rule to send an alert with the Power Sensor changes state

1. On your Z-Wave System's smartphone app, navigate to the Custom Rules setup screen.
2. Create a new Custom Rule to alert you when the PO Sensor 'Opens' and 'Closes' (power Open=Off, Closed=On).

Finally, you should test the Power Out Sensor for proper functionality (detection of power out and notification).

Test the PO Sensor

1. On your Z-Wave System's smartphone app, navigate to view the PO Sensor on your device list.
2. Unplug the USB cable from the power adapter or unplug the power adapter from the 100-240VAC power outlet.
3. On the app, observe the device status change to OPEN (remember: OPEN= OFF= no power detected by the sensor)
4. You should also receive an alert on your smartphone (push message and/or text if your Z-Wave System is capable).

Sometimes the app is very slow to report the status change (step 3). You may also try 'pulling' the screen to refresh the status. Sometimes it may help to close the app and restart it. Closing all other apps also helps. You might notice you still receive the push and/or text message regardless. Sometimes the app may be more responsive on wifi rather than cellular.

Repeat the test with your phone's screen closed/off to observe how you will be notified.

Specifications

Frequency: 908.42 MHz frequency for use only in United States
Compatibility: For use with z-wave certified hubs
Range: Up to 100 feet line of sight PO Sensor to z-wave hub)

Operating Temp: 5°F to 140°F (-15°C to 60°C)
Sensor Battery: 2 'AAA' alkaline batteries
Power Adapter: 100-240V AC

Weight: 2.2 oz
Model: S7E-02

Here are some recommended *Uninterruptible Power Supply (UPS / Battery Backup) products:

- Connect the least # of devices to the UPS to increase the backup time. Generally, you want to connect *only* your Modem, Router and Z-Wave Hub.
- Remember, SmartThings v2 has its own 10hr battery backup, so it's not necessary to connect it to the UPS.

1. APC UPS, 425VA UPS Battery Backup > use this link > <https://amzn.to/3baCZo6> (about 3.5hrs)
2. APC UPS, 600VA UPS Battery Backup > use this link > <https://amzn.to/34Mw5o3> (more time)
3. APC UPS, 850VA UPS Battery Backup > use this link > <https://amzn.to/3jlwrGi> (even more time)

Not for medical or life-dependent applications. For basic applications, e.g.: to monitor power On/Off at a freezer in your basement, sump pump, etc.

Seven7express PO Box 1688, Corona, CA 92878 info@seven7express.com

More troubleshooting instructions can be found at seven7express.com