

Z-Wave Push Button

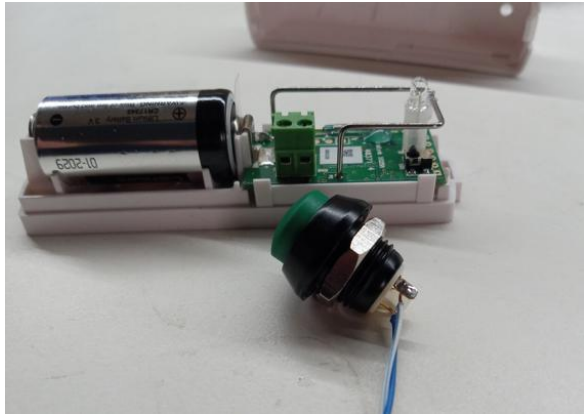
I found it surprisingly difficult to find a simple Z-Wave push button device to allow the user to trigger a set of actions when a button is pressed. The most obvious example of this would be to implement a Z-Wave door bell. There are dozens of door bells with cameras – but it seems impossible to find a door bell button WITHOUT a camera!

This turns out to be relatively simple once you realize that a Z-Wave door sensor is basically a door bell button assembly without the button. If you purchase the following two components:

- [Z-wave Door Sensor \(Ecowave DWZWAVE2.5-ECO\)](#)
- [Push Button Switch \(Digikey PV5H24018\)](#)

You can easily build your own Z-Wave push button as follows.

Step 1 – remove the cover from the Door Sensor, and solder two small gauge (24awg) wires to the push button.



Step 2 – Drill a ½” hole in the Door Sensor approximately 0.45” below the LED hole and insert the push button into the hole. Tighten the push button nut behind the cover to hold it in place.



Step 3 – Trim the wires to an appropriately short length and strip the insulation from the ends. Use a jeweler’s screwdriver to fasten the two wires into the green terminal block on the door sensor PCB.



Step 4 – connect the Z-Wave Door Switch to your Z-Wave mesh in the usual manner (opening the cover triggers pairing) and you are ready to use it to trigger any set of actions you might need!