



## MPSW-BT/WH and MPSW-MN/WH MultiPower Switch

### Specification Sheet

The MultiPower Switch (MPSW) is a Zigbee Green Power (ZGP) wireless switch designed to provide intuitive and flexible lighting control. The switch supports installation in standard single gang or multi gang wall boxes and can also be surface mounted when powered by battery, enabling flexible placement in a variety of environments.

The switch includes five field selectable and interchangeable button pad options, allowing on-site configuration to meet specific end user control requirements. Its installation friendly design makes the switch suitable for a wide range of application environments.

This switch supports three flexible power options:

- Battery power via a long-life battery (up to 10-year lifespan\*), included in the MPSW-BT/WH model.
- DC power (5–30 VDC) via an integrated DC port, available in both MPSW-BT/WH and MPSW-MN/WH models.
- Mains power (100–277 VAC) via a compact AC-DC adapter included in the MPSW-MN/WH model, designed to fit inside a standard single-gang wall box.

\* Up to 10 years based on usage of less than 40 transmissions per day and the robustness of wireless signal connectivity.

## Functionality

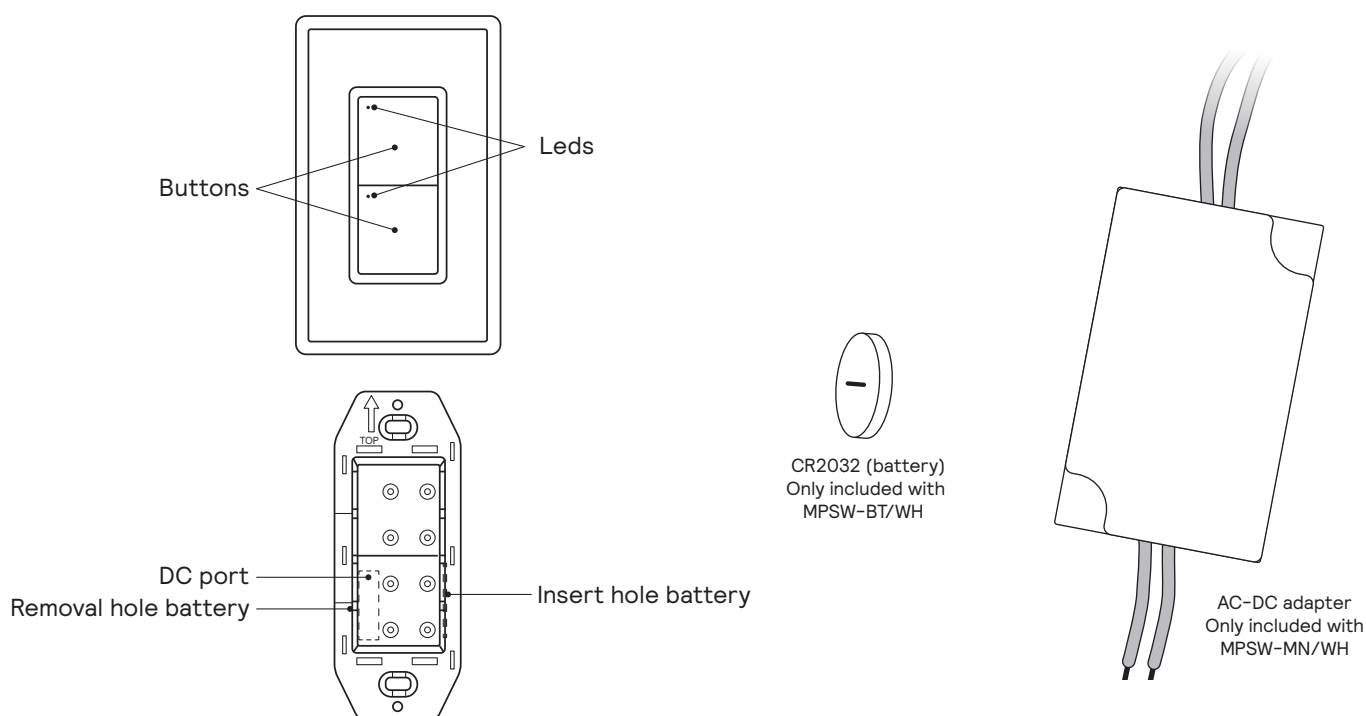
### Features

- Compatible with the Signify Interact system for intelligent buildings.
- Set up and configured through the Signify Interact Builder mobile app (formerly Interact Pro app).
- Provides reliable wireless performance with a line of sight range of up to 150 ft (45.72 m).
- Includes interchangeable button pads for flexible configuration.
- Comes with default button pad labels installed.
- Supports custom labeling through the [Custom Marking Design Tool](#).
- Includes built in RGB LED indicators for device status.

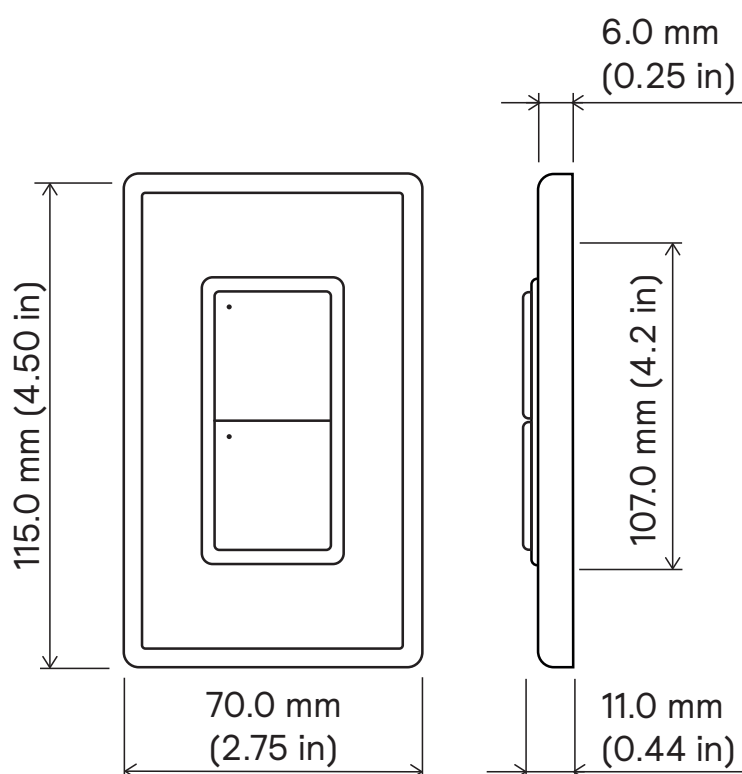
### Benefits

- Wireless convenience: Communicates using the Zigbee Green Power (ZGP) protocol, enabling seamless, energy-efficient control of lights without requiring any wiring.
- Flexible installation: Fits standard wall boxes and can be powered through a battery, DC supply or mains connection.
- Field customizable: Includes five interchangeable button pad options – from 2 button option to 8 button option – to support a range of applications, from scene control to dimming and color temperature adjustment.
- Fast setup: Application and visual feedback, along with intuitive button layout help installers and facility managers complete setup quickly and reliably.
- User-friendly feedback: Four built-in RGB LED indicators provide visual confirmation of button presses and simplify commissioning.
- Enhanced device security: A tamper-resistant reset button positioned behind the faceplate prevents unauthorized access or accidental resets.
- Secured communication: NIST-approved encryption algorithms ensure all communication messages are protected through end-to-end encryption.

## Component layout



## Dimensional drawing

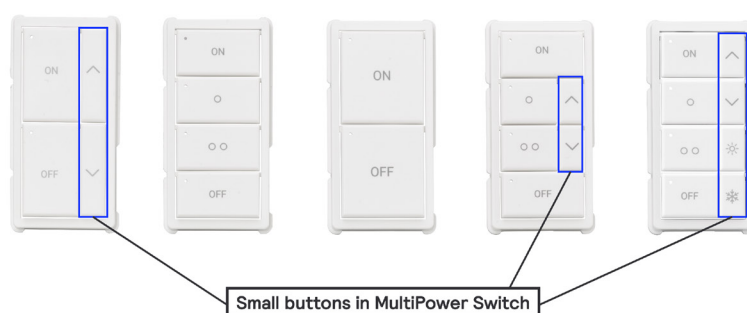


## Custom Marketing Design Tool

- Use the [Custom Marking Design Tool](#) to create personalized button pad engravings.
- Each design style you create will generate a unique Design ID. Place orders using the standard ordering code along with the corresponding Design ID generated by the tool.  
Example: If you create two different design styles, you must enter two separate line items on your order, one for each unique design style.
- Each custom engraved button pad design style is supplied in packs of 20.

## LED indicator behaviors

The table below explains how the LED indicators behave when the switch buttons are pressed.



### LED indicator behaviour – Normal operations

| Action                       | LED Color | LED behaviour                                                        | Power level* |
|------------------------------|-----------|----------------------------------------------------------------------|--------------|
| Press and release buttons    | Green     | LED in line with the pressed button illuminates for two seconds      | Normal power |
|                              | Red       | LED in line with the pressed button illuminates for two seconds      | Low power    |
| Press and hold small buttons | Green     | LED in line with the pressed button blinks while button is held down | Normal power |
|                              | Red       | LED in line with the pressed button blinks while button is held down | Low power    |

### LED indicator behaviour – Commissioning and Reset modes

| Mode               | Action                                                                                                   | LED color       | LED behaviour                          | Power level* |
|--------------------|----------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------|--------------|
| Commissioning Mode | Press and hold any two buttons for more than five seconds (only when the switch is factory new or reset) | Blue (all LEDs) | All LEDs blink quickly, about 30 times | Normal power |
|                    |                                                                                                          | Red (all LEDs)  | All LEDs blink quickly, about 30 times | Low power    |
| Reset Mode         | Press and hold the reset pin for more than one second                                                    | Blue (all LEDs) | All LEDs illuminate for two seconds    | Normal power |
|                    |                                                                                                          | Red (all LEDs)  | All LEDs illuminate for two seconds    | Low power    |

\* The power level indication is based on the battery voltage when the MultiPower Switch operates in battery-powered mode. A voltage below 2.6 V is interpreted as a low power level.

## Technical specifications

| Communication                   |                                 |
|---------------------------------|---------------------------------|
| Wireless communication protocol | Zigbee Green Power              |
| Carrier frequency               | 2.4 GHz                         |
| Transmission distance           | 150 ft (45.72 m ) line-of-sight |

| Electrical      |                                |
|-----------------|--------------------------------|
| Battery powered | 3 V Coin cell battery (CR2032) |
| DC powered      | Low-voltage 5–30 VDC           |
| AC powered      | 100–277 VAC                    |

| Physical              |                                              |
|-----------------------|----------------------------------------------|
| Switch (H × W × D)    | 4.2 x 1.6 x 0.44 in (107 x 41 x 11 mm)       |
| Faceplate (H × W × D) | 4.5 x 2.72 x 0.25 in (115 x 70 x 6 mm)       |
| Housing               | Polycarbonate                                |
| Color                 | White                                        |
| Approximate weight    | 0.13 kg (MPSW-BT/WH)<br>0.20 kg (MPSW-MN/WH) |

| Environment <sup>1,2</sup>  |                                         |
|-----------------------------|-----------------------------------------|
| Operating temperature       | -13 °F to +149 °F<br>(-25 °C to +65 °C) |
| Operating relative humidity | 0% to 95% (non-condensing)              |
| Protection rating           | IP20                                    |

<sup>1</sup> For indoor use only.

<sup>2</sup> For commercial or industrial environments only (not intended for household use).

| Compliances and approvals |                                                                                                                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approbations              | <ul style="list-style-type: none"> <li>• UL</li> <li>• FCC</li> <li>• Zigbee Green Power (Zigbee 3.0)</li> <li>• RoHS</li> <li>• REACH</li> <li>• CA Title 24</li> <li>• IC (ISED Canada)</li> </ul> |

## Order code

| Product name                            | MOQ | Order code     | Region of sale |
|-----------------------------------------|-----|----------------|----------------|
| MPSW-BT/WH MultiPower Switch Battery WH | 1   | 9137 010 75813 | North America  |
| MPSW-MN/WH MultiPower Switch Mains WH   | 1   | 9137 010 75913 | North America  |
| Custom Engraved Button Pad (pack of 20) | 1   | 9137 010 76113 | North America  |



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