

Wave Shutter

Z-Wave™ shutter control with power measurement

Wave Shutter enables remote control of motorized shades, rollers, blinds, windows, awnings, or any device powered by bi-directional AC motor. It supports control over the tilt position of the venetian blind slats. You can control it either via your smartphone/tablet or according to schedules or scenes, while retaining the option for manual operation with a wall switch. Precise positioning is supported for motors equipped with mechanical or electronic end limit switches.

ADVANTAGES



- Control over the **tilt position** of the venetian blind slats.
- Supports **push-buttons/momentary switches** and **toggle switches**.
- **Measures power consumption** of the connected appliance (blind, roller shutter, etc.).
- **Small size** ensures the simplest installation behind wall switches.
- **Extended wireless range** – up to 40 m indoors.
- **SmartStart** for the automatic set-up.
- **OTA Firmware update** for over-the-air updates.
- **Security Vault™** ensures the highest level of security with features, such as secure boot, secure key management, secure debug, and more.
- **S2 Security** authenticated.
- Extremely **low energy consumption**: less than 0.3 W.
- Works with **Z-Wave certified gateways (hubs)** and **over 4000 Z-Wave devices**.

TECHNICAL SPECIFICATIONS

Power supply	110–240 V AC ±10%
Power consumption	< 0.3 W
Power measurement (W)	Yes
Max switching voltage AC	240 V
Max switching current AC	10 A per channel
Overheating protection	Yes
Overcurrent protection	Yes
Distance	up to 40 m indoors (131 ft.) (depends on local condition)
Z-Wave repeater	Yes
CPU	Z-Wave S800
Z-Wave frequencies band(s)	868,4 MHz; 865,2 MHz; 869,0 MHz; 921,4 MHz; 908,4 MHz; 916 MHz; 919,8 MHz; 922,5 MHz; 919,7-921,7-923,7 MHz; 868,1 MHz; 920,9 MHz
Maximum radio frequency power transmitted in frequency band(s)	< 25 mW
Size (H x W x D)	37 mm x 42 mm x 16 mm ± 0.5 mm / 1.46 in x 1.65 in x 0.63 in ± 0.02 in
Weight	29 g / 1.02 oz.
Mounting	Wall console
Screw terminals max torque	0.4 Nm / 3.5 lbin
Conductor cross section	0.5 to 1.5 mm ² / 20 to 16 AWG
Conductor stripped length	5 to 6 mm / 0.20 to 0.24 in
Shell material	Plastic
Color	Black
Ambient temperature	-20°C to 40°C / -5°F to 105°F
Humidity	30% to 70% RH
Max. altitude	2000 m / 6562 ft.

WIRING DIAGRAMS

110-240 V AC

