

## Z-Wave® small form factor smart switch with potential-free contacts

The Wave 1 Mini is **the smallest Z-Wave smart switch in the world for smart control**. It is ideal for automation and remote control of small electrical appliances (up to 8 A), such as electrical locks, gates, garage doors, irrigation system, etc. The output contact is voltage-free (dry contacts), allowing you to connect various power supply loads to the device. Thanks to its compact retrofit design, Wave 1 Mini is a perfect fit for even the smallest switch/electrical boxes or appliances.

## ADVANTAGES

- 1 channel up to 8 A at 240 V AC and 5 A at 30 V DC
- Dry contacts
- 35% smaller compared to Wave 1
- Extremely low power consumption: less than 0.3 W
- Z-Wave frequency band: 868.4 MHz (CEPT countries)
- Latest technology: Z-Wave 800 Series
- Automatic set-up with SmartStart
- Security 2 Authenticated for the highest level of security
- Supports over-the-air firmware updates
- Fast and simple installation in most electrical boxes and switches
- Works with Z-Wave certified gateways and over 4,000 Z-Wave devices
- Works with Z-Wave certified hubs and over 4000 Z-Wave devices

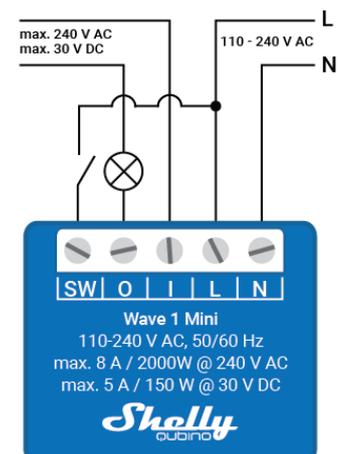


## TECHNICAL SPECIFICATIONS

Power supply	110 - 240 V AC, 50/60 Hz
Power consumption	< 0,3 W
Max. switching voltage AC	240 V
Max. switching current AC	8 A
Max switching power AC	2000 W
Max. switching voltage DC	30 V
Max. switching current DC	5 A
Overheating protection	Yes
Distance	Up to 40 m indoors (131 ft.) (depends on local condition)
Z-Wave repeater	Yes
CPU	Z-Wave S800
Z-Wave frequency bands:	868,4 MHz
Maximum radio frequency power transmitted in frequency band(s)	< 25 mW
Size (H x W x D)	29x35x16 ±0.5 mm / 1.11x1.35x0.63 ±0.02 in
Weight	19 ±1 g / 0.65 ±0.04 oz
Mounting	Wall box
Screw terminals max. torque	0.4 Nm / 3.54 lbin
Conductor cross section	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG
Conductor stripped length	5 to 6 mm / 0.20 to 0.24 in
Shell material	Plastic
Color	Blue
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



### LEGEND

#### Device terminals:

- N: Neutral terminal
  - L: Live terminal (110-240 V AC)
  - SW: Switch/push-button input terminal (controlling O)
  - O: Load circuit output terminal
  - I: Load circuit input terminal
- Wires:**
- N: Neutral wire
  - L: Live wire (110-240 V AC)