Wave 1

Z-Wave™ smart switch with potential-free contact

The Wave 1 is ideal for automation of electrical locks, gates, garage doors, irrigation system, etc. The output contact is voltage-free (dry contact), so different power supply loads (up to 16 A) can be connected to the device. The device can be controlled either via smartphone/tablet according to schedules or scenes, etc. It is compatible with switches or push-buttons.

ADVANTAGES

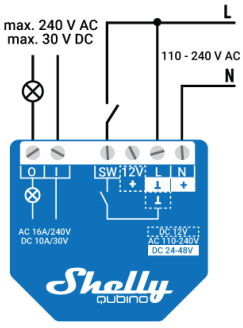
- **1 channel 16 A total**
- **Dry contact** – voltage-free.
- **Small size** ensures the simplest installation behind every wall switch or wall socket.
- Latest technology: **Z-Wave 800 Series**.
- **Extended wireless range –** up to 40 m indoors.
- **SmartStart** for the automatic set-up.
- **OTA Firmware 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 hubs** and **over 4000 Z-Wave devices**.

TECHNICAL SPECIFICATIONS

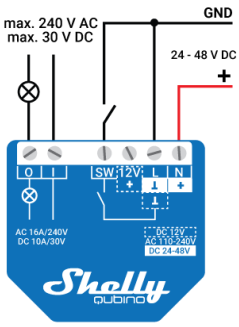
Power supply	110-240 V AC / 24-48 V DC / 12 V DC ± 10%
Power consumption	< 0.3 W
Max. switching voltage AC	240 V
Max. switching current AC	16 A
Max. switching voltage DC	30 V
Max. switching current DC	10 A
Overheating protection	Yes
Distance	Up to 40 m indoors (131 ft.) (depends on local condition)
Z-Wave™ repeater	Yes
CPU	Z-Wave™ S800
Z-Wave™ frequency band(s)	868,4 MHz
Maximum radio frequency power transmitted in frequency band(s)	< 25 mW
Size (H x W x D)	37x42x16 ±0.5 mm / 1.46x1.65x0.63 ±0.02 in
Weight	26 g / 0.92 oz.
Mounting	Wall console
Screw terminals max. torque	0.4 Nm / 3.5 lbin
Conductor cross section	0.5 to 1.5 mm² / 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



24 V DC



12 V DC