Shelly qubino

Wave Pro 2

2-circuit DIN-mountable Z-Wave™ smart switch with potential-free contacts

Wave Pro 2 is a DIN-mountable, **two-phase** and **2-channel** smart switch supporting **up to 25 A** for professional lights and appliance automation for residential or commercial use. It is equipped with potential-free outputs (dry contacts), offering high flexibility in voltage support and applications. Different types of actions, scenarios, and schedules can be set to sync your environment to your daily activities or business needs.

ADVANTAGES

- **2 channels, 16 A each**. Total device maximum of **25 A**.
- **Potential-free contacts** (dry contacts).
- **2-phase control**.
- **DIN-rail mountable** inside a breaker box.
- 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.
- **S2 Security** authenticated.
- **Security Vault™** ensures the highest level of security with features, such as secure boot, secure key management, secure debug, and more.
- 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, 50/60 Hz
Power consumption	< 0.3 W
Max. switching voltage AC	240 V
Max. switching current AC	16 A per channel, 25 A total
Max. switching voltage DC	N/A
Max. switching current DC	N/A
Overheating protection	Yes
Power measurement (W)	No
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)	94x19x69 ±0.5 mm / 3.70x0.75x2.71 ±0.02 in
Weight	73 g / 2.58 oz.
Mounting	DIN rail
Screw terminals max. torque	0.4 Nm / 3.54 lbin
Conductor cross section	0.5 to 2.5 mm² / 20 to 14 AWG (green connectors) 0.5 to 1.5 mm² / 20 to 16 AWG (white connectors)
Conductor stripped length	6 to 7 mm / 0.24 to 0.28 in (green connectors) 5 to 6 mm / 0.20 to 0.24 in (white connectors)
Shell material	Plastic
Color	Grey
Ambient temperature	-20°C to 40°C / -5°F to 105°F
Humidity	30 % to 70 % RH
Max. altitude	2000 m / 6562 ft.

WIRING DIAGRAM

110-240 V AC