

### DIN-mountable Z-Wave smart switch with potential-free contacts

Wave Pro 1 is a DIN-mountable, **one-phase**, and **1 channel** smart switch supporting **up to 16 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

- **1 channel, 16 A.**
- **Potential-free contacts** (dry contacts).
- **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  |
| 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 band  | 868,4 MHz   |
| Maximum radio frequency power transmitted in frequency bend(s) | < 25 mW   |
| Size (H x W x D)   | 94x19x69 ±0.5 mm / 3.70x0.75x2.71 ±0.02 in  |
| Weight   | 60 g / 2.12 oz.   |
| Mounting   | DIN rail  |
| Screw terminals max. torque                                    | 0.4 Nm / 3.54 lbin  |
| Conductor cross section  | 0.5 to 2.5 mm <sup>2</sup> / 20 to 14 AWG (green connector)<br>0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG (white connectors) |
| Conductor stripped length                                      | 6 to 7 mm / 0.24 to 0.28 in (green connector)<br>5 to 6 mm / 0.20 to 0.24 in (white connectors)                             |
| 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 DIAGRAM

110-240 V AC

