

## 2-circuit DIN-mountable Z-Wave™ smart switch with power measurement

Wave Pro 2PM is a DIN rail mountable, one-phase, and 2-channel smart switch, supporting up to 16 A per channel with a total device capacity of 25 A. It enables remote control and energy consumption monitoring for each channel (connected appliance) separately or together. 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**.
- **Power metering** on each channel separately and together.
- **DIN-rail mountable** inside a breaker box.
- **Overheating, overload and overvoltage** protection.
- 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
Power measurement (W)	Yes
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
Overload protection	Yes
Overvoltage 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)	94x19x69 ±0.5 mm / 3.70x0.75x2.71 ±0.02 in
Weight	75 g / 2.65 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 connectors) 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 connectors) 5 to 6 mm / 0.20 to 0.24 in (white connectors)
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 DIAGRAM

110-240 V AC

