

Wave Pro 1PM

DIN-mountable Z-Wave™ smart switch with power measurement

Wave Pro 1PM is a DIN rail mountable, one-phase, and 1-channel smart switch, supporting a load of up to **16 A**. It allows you to measure the **power consumption** of the connected appliance. Different types of actions, scenarios, and schedules can be set to sync your environment to your daily activities or business needs.

ADVANTAGES

- **1 output, 16 A.**
- **Measures power consumption** of the connected appliance.
- **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	< 0.3W
Power measurement (W)	Yes
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
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 bend(s)	< 25 mW
Size (H x W x D)	94x19x69 ±0.5 mm / 3.70x0.75x2.71 ±0.02 in
Weight	61 g / 2.15 oz.
Mounting	DIN rail
Screw terminals max. torque	0.4 Nm / 3.54 lbin
Conductor cross section	0.5 to 2.5 mm ² / 20 to 14 AWG (green connector) 0.5 to 1.5 mm ² / 20 to 16 AWG (white connectors)
Conductor stripped length	6 to 7 mm / 0.24 to 0.28 in (green connector) 5 to 6 mm / 0.20 to 0.24 in (white connectors)
Shell material	Plastic
Color	Red
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

