



Wave 1PM

The Wave 1PM turns an ordinary wall switch or socket into a smart one. It can be used to automate a wide range of electrical devices, such as a light, ceiling fan, hot water tank, pool pump. It is ideal for power monitoring and remote control (on/off) of one electrical device or one group of devices, which can be controlled via smartphone/tablet according to schedules or scenes, etc. It is compatible with switches or push-buttons.

ADVANTAGES



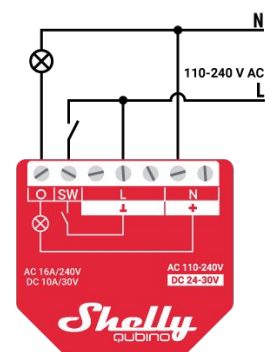
- **1 channel 16 A total.**
- **Measures power consumption** of the connected device.
- **Small size** ensures the simplest installation behind every wall switch or wall socket.
- **Extended wireless range** – up to 40 m indoors.
- **SmartStart** for the automatic set-up.
- **OTA Firmware update** for 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 / 24–30 V DC
Power consumption	< 0.3 W
Power measurement (W)	Yes
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
Overload 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; 865,2 MHz; 869,0 MHz; 921,4 MHz; 908,4 MHz; 916 MHz; 919,8 MHz; 922,5 MHz; 919,7-921,7-923,7 MHz; 868,1 MHz; 920,9 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	27 g / 0.95 oz.
Mounting	Wall console
Screw terminals max. torque	0.4 Nm / 3.5 lbin
Conductor cross section	0.5 to 1.5 mm ² / 20 to 16 AWG
Conductor stripped length	5 to 6 mm / 0.20 to 0.24 in
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 DIAGRAMS

110-240 V AC



24 V DC

