

SRS01 1PM

Single-Channel Smart Relay Switch with Power Monitoring

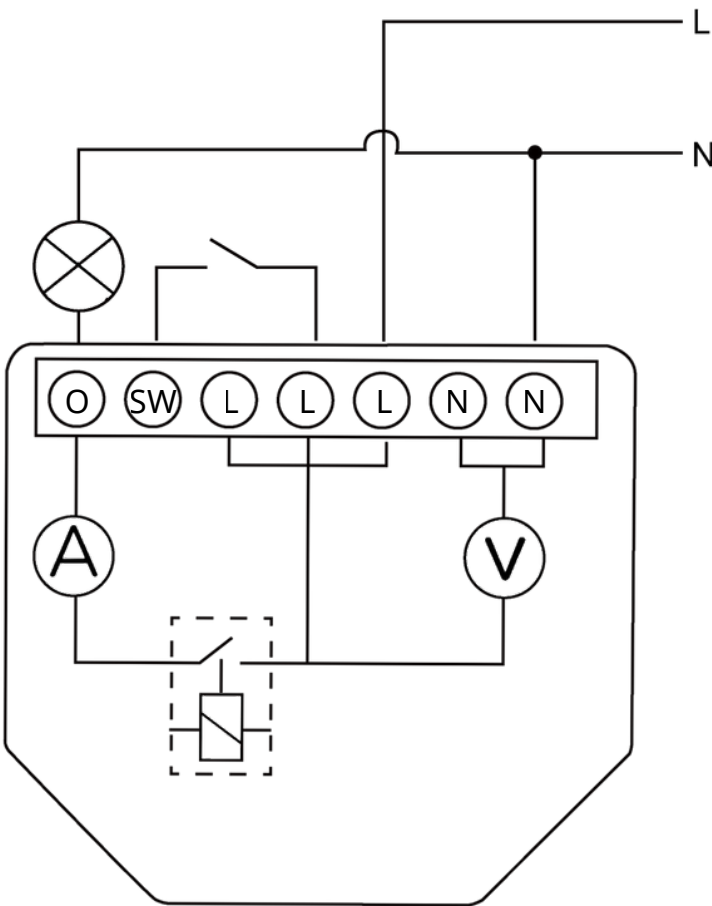
SRS01 1PM is a compact single-channel relay switch with integrated power monitoring and wireless communication. It provides real-time measurement of voltage, current, power, and energy, making it ideal for smart home automation and lighting control.



Ordering Code

SRS01-P1TW	1×16A, Tuya Wi-Fi
SRS01-P1SZ	1×16A, Standard Zigbee

Wiring Diagrams



Technical Data

Rated voltage	110–240 VAC, 50/60 Hz
Max switching load	16A (Resistive)
Type of switching	Relay, Micro gap (μ)
Dimensions	38×42×16mm
Rated operating temperature	-20 to 40°C
Conductor cross section	24 to 14AWG / 0.2 to 2.5mm²
Conductor stripped length	6 to 7mm
Screw terminals max torque	0.4Nm
Measurement accuracy	±2% (Active energy)
Connectivity	BLE+Wi-Fi; Zigbee

Nominal power of typical loads^{1) 2)}

Incandescent & halogen lamps	2000 W
LED lamps ^{3) 4)}	600 W
Fluorescent lamps	500 VA
Inductive motors (e.g., fans, pumps, compressors)	1000 VA
Resistive heaters (e.g., boilers, room heaters)	2500 W

Remarks

- 1) If you are unsure about the load type or its impact on the smart relay switch, please contact our technical support.
- 2) Individual channel value based on 220–240 VAC power supply.
- 3) Inrush current $I_{on} \leq 78 \text{ A} / 5 \text{ ms}$
- 4) Due to variations in lamp electronics and manufacturers, the maximum value of controllable lamps may vary.