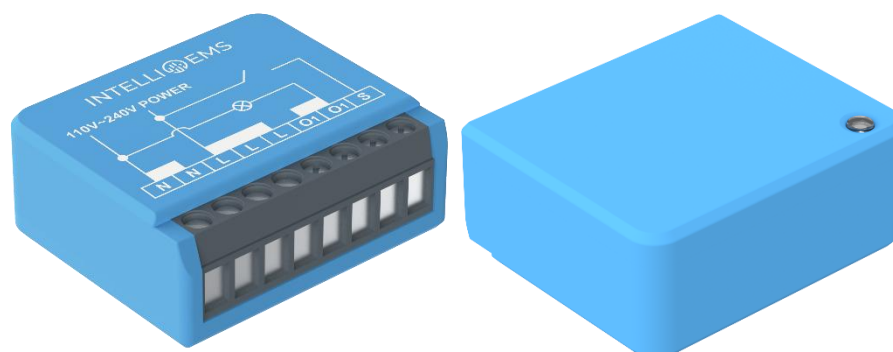


# Product Specification



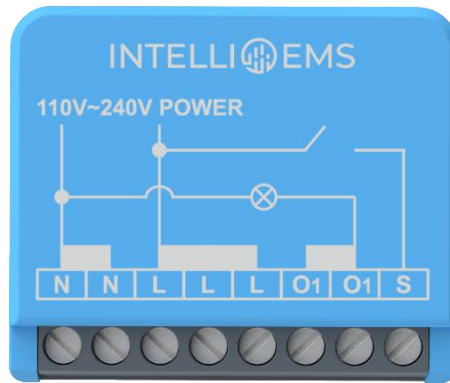
Product	Smart Power Meter Switch 1CH
Device Model	SA-7578
Document Version	1.6.0
Power Supply	110 - 240 VAC $\pm$ 10% (AC)
Power Consumption	< 1 W
Connectivity	Wireless: BLE/Thread
RF Frequency Band	2400 -2495 MHz
Max. Load (Total device)	16A
Output	1 independent relay outputs
Size(H*W*D)	46.2 x 39.2 x 19mm
Weight	25g
Operating Temp.	0°C~40°C
Storage Temp.	-10°C~65°C
Button	Pairing/Reset button*1

LED Light	G*1
Software setting	Fault Notification Instant alerts for voltage and current overload Data Logging <ul style="list-style-type: none"> <li>• Demand   Active Power, Apparent Power</li> <li>• Average Current (Single-Phase)</li> <li>• Voltage Frequency (Single-Phase)</li> </ul>
Regulation	NCC
Supported Load Types	<b>Resistive</b> Incandescent bulbs, heating devices <b>Capacitive</b> Capacitor banks, electronic devices, motor start capacitors <b>Inductive with RC Snubber</b> LED drivers, fans, refrigerators, air conditioners

# Technical Specification

Data Acquisition	OpenThread (802.15.4)
Power Measurement Speed	Sampling interval of 0.5 seconds
Update Rate	Adjustable to 1, 5, 10, or 15 minutes
	Actual Measurement Data <ul style="list-style-type: none"><li>• Thread : 1min</li><li>• Local Measurement : 0.5s</li></ul>
Voltage Accuracy	3%
Current Accuracy	3%
Demand Calculation Method	The 15-minute average power must not exceed the contracted capacity
Demand Calculation Interval	15min

# Electrical Interface



Power Input	N	Neutral
	N	
Power Input	L	Line Input
	L	
	L	
Relay	O1	Relay Output
	O1	
Switch	S	Switch Input

# Wiring Diagram

