Shelly EM Gen4

Two-channel single-phase smart energy meter



EAN code: 3800238070779

Product description

The Shelly EM Gen4 is a two-channel single-phase energy meter that uses current transformers to measure energy data for loads up to 120 A. It tracks power, current, voltage and power factor in real time at one-minute resolution. A built-in 2 A dry contact can drive an external contactor for controlling heavier loads such as water heaters, heat pumps and large appliances.

Designed for installation in a wall box, the Shelly EM Gen4 comes with a 50 A current transformer included and supports 80 A and 120 A CTs as accessories.

The device features Gen4 multiprotocol connectivity: Wi-Fi 6, Bluetooth 5, Zigbee and Matter over Wi-Fi.

Technical data

Physical	
Size (HxWxD):	37 x 42 x 16 mm / 1.46 x 1.65 x 0.63 in
Weight:	26 g / 0.92 oz
Screw terminals max torque:	0.4 Nm / 3.5 lbin
Conductor cross section:	0.5 to 4 mm² / 20 to 11 AWG
Conductor stripped length:	6 to 7 mm / 0.24 to 0.28 in
Environmental	
Ambient working temperature:	-20 °C to 40 °C / -5 °F to 105 °F
Humidity:	30 % to 70 % RH
Max. altitude:	2000 m / 6562 ft
Electrical	
Power supply:	110-240 V~, 50/60 Hz
Power consumption:	< 1 W
Dry contact rating:	2 A / 240 V~
Compatible CTs:	CT 50 A (included), CT 80 A, CT 120 A

