Smart Energy Monitoring

Power Monitoring
Shelly **EM** monitors monophase electrical systems with up to 2 points simultaneously.

Wi-Fi Operated
Connect Shelly EM to your Wi-Fi network. No HUB required!

365 days of data storage
The measurements from Shelly EM are stored in a free cloud for 365 days.
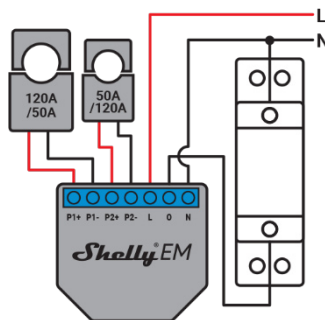
Wi-Fi operated Energy Meter and Contactor Control

- Power Metering – two independent channels
- Current metering up to 120Amp per channel
- One contactor control (or load up to 2Amp
- Easy control via app, various protocols and platforms, as well as voice assistants

Features

- No Hub required.
- Monitor status and history as well as current and past power consumption for the day, week, month or year.
- Internal temperature sensor for overheating protection.
- Can automatically turn off the whole circuit if consumption or energy reaches the set limit.
- Compatible with Android, iOS, Amazon Alexa, Google Assistant and home automation servers using MQTT, CoAP and REST API.

CARREL-ELECTRADE LIMITED

Auckland Tel: 09-525 1753	Christchurch Tel: 03-366 1242	Email: sales@carrel-electrade.co.nz
Fax: 09-525 1756	Fax: 03-379 1991	Web: www.carrel-electrade.co.nz

0202

Specifications

POWER	POWER
Power supply AC	110-230V ±10%, 50/60Hz
Power supply DC	No
SPECIAL FUNCTIONS	SPECIAL FUNCTIONS
Contactor Control	Yes – max 2A
Roller shutter mode	No
Device temperature protection	Yes
Overload protection	No
Power measurement	Yes
FEATURES	FEATURES
Channels	2 Channel
Operational temperature	0 to + 40 °C
Device power consumption	< 1 W
Intelligent On/Off	Yes
Local and remote control	Yes
Sunrise/Sunset	Yes
Weekly Schedule	Yes
UL Listed option	No
CONNECTIVITY	CONNECTIVITY
Wireless/WiFi Protocol	802.11 b/g/n
Radiofrequency	2400 – 2500 MHz
Range	up to 50m outdoors and up to 30m indoors
	(Depending on the building materials)
DIMENSIONS	DIMENSIONS
Size	39mm x 36mm x 17 mm

SHELLY-EM-50A   WI-FI ENERGY METER 50A 110-230VAC WITH 50AMP CLAMP CT

SHELLY-EM-120A   WI-FI ENERGY METER 120A 110-230VAC WITH 120AMP CLAMP CT

SHELLY-CLAMP-50   CLAMP CT 50Amp for EM and 3EM Energy Meter

SHELLY-CLAMP-120   CLAMP CT 120Amp for EM and 3EM Energy Meter