

EM-445

Brief Description

The EM-445 is a single-phase meter, which provides a cost-effective compact solution for many metering applications. It is a din rail meter which fits into your existing consumer unit or you can install it into our HT enclosures [sold separately].

Fully approved in accordance with the Measuring Instruments Directive (MID), this highly accurate, compact meter may be used for billing and monitoring consumption on a single-phase supply.

Features

- Fully MID B+D approved
- Measures and displays active energy (kWh)
- Single phase 45A direct connection
- LCD 5+2=99999.99kWh display
- 1 Module 17mm
- For connection up to 45A

Description

The EM-445 single phase meter is compact and easily installed. It is ideal for most domestic installations, including landlord rentals, solar panels, studios, during renovations and basic monitoring of energy. The meter provides measurement of active (kWh) energy on an easy-to-read LCD display.

The LED on the front of the meter flashes red when energy is being used. The faster the LED flashes the more energy is being used.

5 + 2 LCD display cannot be reset to zero and has a reading accuracy of 1/100 kWh.

To enable the connection of energy management systems, this meter has an electronic pulsed output. The pulsed output connects onto two auxiliary terminals in the main terminal block.

The pulse output is polarity dependent, passive transistor output which requires an external source for operation.

For this external voltage source, the voltage (Ui) should be 5-27V DC, and the maximum input current (Imax) is 27mA DC. To connect the impulse output, connect 5-27V DC to connector 20 (anode), and the signal wire (S) to connector 21 (cathode).

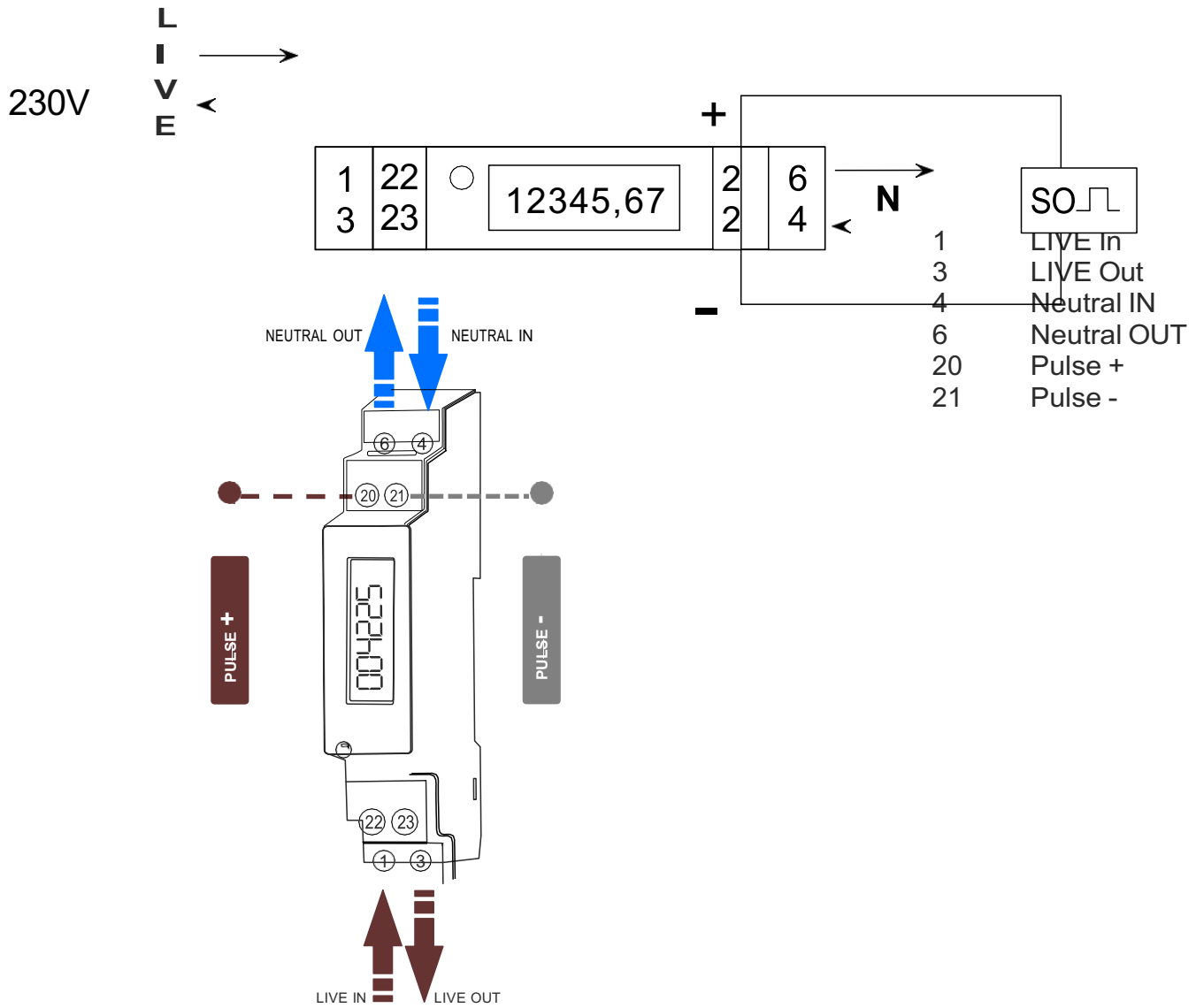
The meter comes with a full 12-month warranty.



Technical Data

Voltage	Nominal voltage	230V AC
	Operational voltage	(-15% ~+10%) Un
	Voltage Withstand AC	2KV for 1 minute
Frequency	Nominal Frequency	50Hz
	Frequency variation	5%
Current	Basic Current (Iref)	5A
	Maximum (Imax)	45A
Pulse Output	Rate (pins 20 & 21)	1000imp/kWh

Wiring



Dimensions in mm

112L x 17.5W x 64H

- A LCD
- B Terminal block
- C Case
- D Protection Cover
- E Security Clasp

Register material: PC inflammable retarding
Case/Terminal Block/Cover: ABS inflammable retarding

