ENERGY METER Wi-Fi

The energy meter allows you to monitor the electrical consumption of your home via an APP or browser.
The device is designed for single-phase installations only.

Installation Manual

- Measures and collects data on electric energy consumption in real time
- Power supply 230V~
- 1 module DIN

CONTENTS

⚠ WARNINGS

The installation and electrical connection of the devices and appliances must be implemented by qualified personnel and in conformity with current laws and regulations

Carefully read the instruction manual before using the product as it provides important guidelines regarding safety, installation and use. The instruction manual must be preserved with care for future reference.

• Ensure the product is intact once it is removed from its packaging.

• Packaging components (any plastic bags, PVC suspensions, etc.) must be kept out of reach of children.

Before starting any operation on the device (assembly, maintenance, etc.), disconnect the 230V~ mains power supply.

• Do not use a current clamp other than those supplied by the manufacturer.

Indoor device; not suitable for outdoor installation.

Important: for the operating and system modes of the energy meter and for correct installation, also see the specific manual of the smartbox and the APP.

Radio frequency waves emitted by the energy meter are not a risk to human or animal health.

Important: the manufacturer shall not, under any circumstances, be liable if the products fail to operate due to the interruption of the internet network or unavailability of these resources: Cloud, Server, Portal.

INTERNET off line

Important: internet access costs are charged to users according to the rates of their mobile phone provider.

Important: the manufacturer reserves the right to introduce any technical and/or constructive changes deemed necessary, with no prior notice.

DISPOSAL OF ELECTRICAL & ELECTRONIC EQUIPMENT
This symbol on the product or its packaging to indicates that this product shall not be treated as household waste.
Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment, such as for example:
- sales points, in case you buy a new and similar product;
- local collection points (waste collection centre, local recycling center, etc...).
By ensuring this product is disposed of correctly, you will help prevent potential negative consequence for the environment and human health, which could otherwise be caused by inappropriate waste handing of this product.
The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your house hold waste disposal service or the shop where you purchased the product.

INSTALLATION
Radio range warnings

During installation, some precautions must be taken in order not to limit or, in some cases, inhibit the range of the radio waves between the Smartbox and the connected devices.
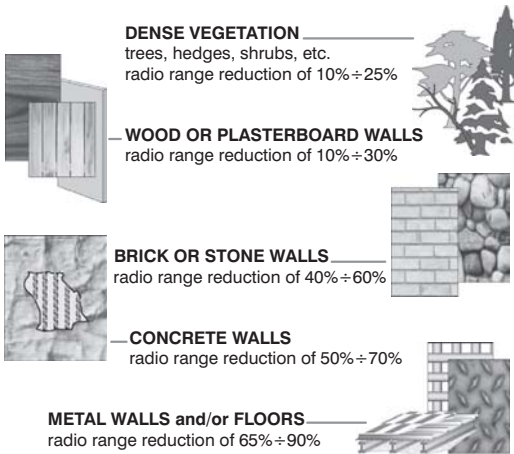
If there are no obstacles between the devices and the Smartbox, the "open air" range is approximately 200 m; indoors with the presence of walls, the range is approximately 30m.

Radio range decreases significantly when the components are interposed between the obstacles.
This attenuation varies in different degrees depending on the type of material the walls or barriers to cross are made of.
The presence of noise or electromagnetic interference sources can also reduce the indicated radio range.
Alongside are some examples of mitigation related to materials, which impact on the "Free air" range declared above.

DENSE VEGETATION
trees, hedges, shrubs, etc.
radio range reduction of 10%÷25%

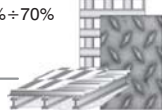**WOOD OR PLASTERBOARD WALLS**
radio range reduction of 10%÷30%

BRICK OR STONE WALLS
radio range reduction of 40%÷60%

CONCRETE WALLS
radio range reduction of 50%÷70%

METAL WALLS and/or FLOORS
radio range reduction of 65%÷90%

INSTALLATION IN AN ELECTRIC PANEL ON A DIN RAIL

The Energy meter must be installed in the main electric panel of the home.

1. ⚠️ **Disconnect the 230V~ mains.**
2. Place the energy meter in the DIN rail and connect
   the 230V~ mains voltage (Line and Neutral).
3. Insert the jack pin of the current clamp into the energy meter.
4. Close the current clamp around the main cable of the mains voltage.
5. Activate the 230V~ mains.

Attention!
⚠️ With the 230V~ mains activated, the jack pin must always be present and inserted properly
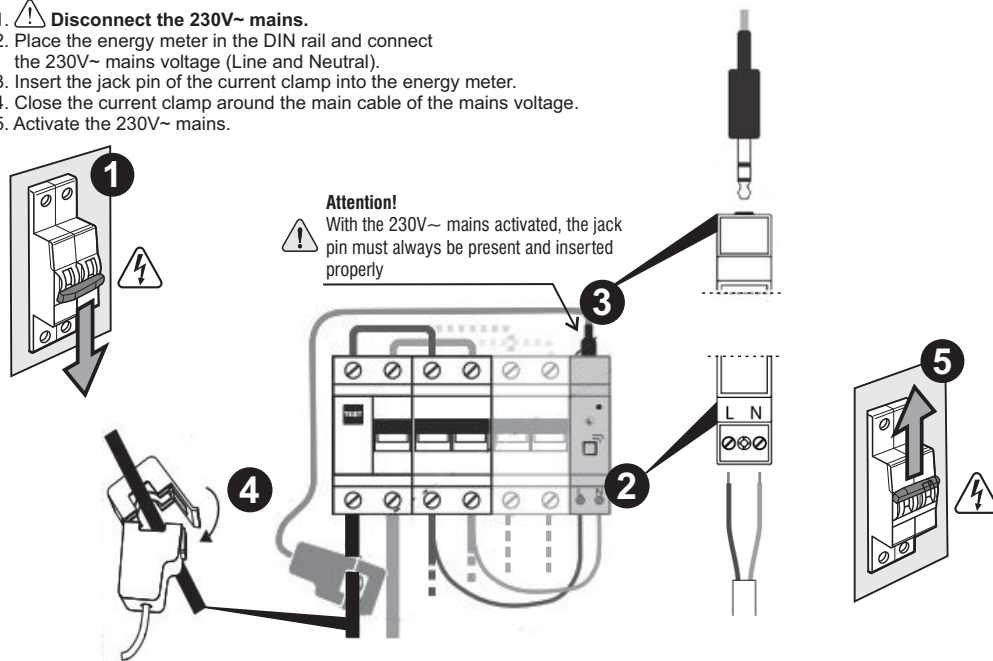
ASSOCIATING THE ENERGY METER TO THE SMARTBOX

The ENERGY METER must be coupled to the Smartbox with the specific PERRY APP (see the APP manual). As an alternative to the association via the APP, you can associate the Energy meter by pressing the association button on the Smartbox for three seconds and use a clip or similar object to press the button on the front of the Energy meter:
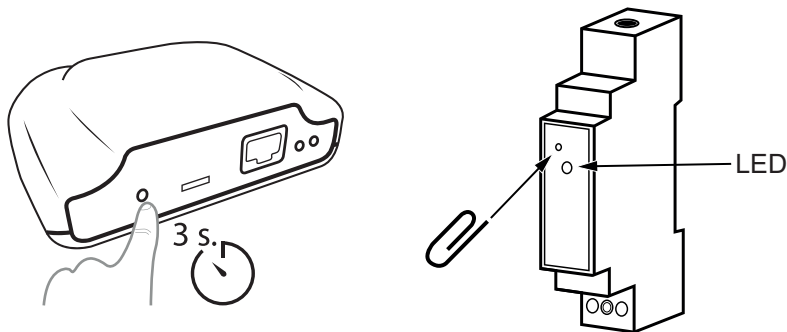
LED indicator status on the front of the Energy meter:

LED off: indicates that the device has not been associated with the Smartbox - repeat the above operation.

LED flashes slowly (about every 2 seconds): indicates that the device is properly connected to the Smartbox.

LED flashes fast (about every half second: indicates that the Energy meter has been properly associated but indicates communication problems with the Smartbox. Verify that there is no excessive distance between the two devices or there are no objects or walls that significantly shield the radio signal.

Use the APP (see the APP manual) to control electrical consumption in real time or you can control the statistics of the days or months, or even the daily load curve every 15 minutes.

RESET Energy meter

Press and hold the front button
with a clip for 20 seconds

20s.
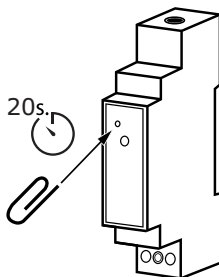
Technical specifications of the Energy meter

•Power supply voltage 230V~ +/- 10%, 50/60Hz
•Consumption: 0.9W
•External current sensor, 3.5 mm jack connector for easy installation
•Calculation of energy and active power
•Direct voltage measurement
•Current sensor: 80A~ 50/60Hz
•Error < 3%
•LED status indicator
•Radio emission:
  the appliance intentionally emits radio waves at a frequency of 869.525 MHz, with a max. power 0.75mW e.r.p.
•IP30 casing protection rating (installed properly).
•Installation in an electric panel on a DIN rail
•Operating temperature: 5 ÷ 40 °C
• Operating humidity: 80%RH up to 30°C, decreasing linearly up to 50% RH at 40°C.
•Overvoltage category: II
•Environmental pollution rating: 2

F.A.Q.
(Frequently Asked Questions and Inconsistent Resolutions)
consult the FAQ on page:

http://perry.it/it/prodotto/1tx-me01wifi.aspx

or else access it using the QR code:

EU SIMPLIFIED CONFORMITY DECLARATION
The manufacturer declares that the type of radio equipment listed below complies with Directive 2014/53/EU (RED).
The full text of the EU Declaration of Conformity is available at the following Internet address:
http://www.perry.it/it/dichiarazioni.aspx

Manufacturer, Fabricat, Fabrikant, Fabbricante, Fabricante:
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Type, Typen, Tipo:
1TXME01WIFI   **V001**

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