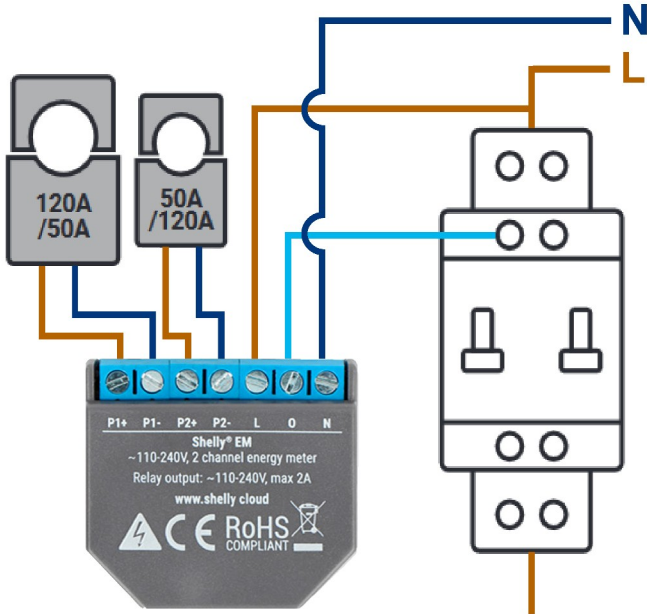


iOW12MW



<https://www.mordomus.com/mordomus/docs/wifi/iOW12MW.pdf>

EN iOW12MW – Wi-Fi Energy meter

Features:

- 1 relay output
- Inputs for 2 current transformers

Applications:

- Power metering
- Load management

Electrical Specifications:

Power supply voltage: 110-230V ±10% AC

Power supply frequency: 50/60Hz;

Max measurement per channel: 120/230V;

Relay Max Load: 2A/230V;

Wireless standard: Wi-Fi 802.11 b/g/n, 2,4 – 2,5 GHz.



On the bottom of your Split core transformer, you will see an arrow showing how you must place it, on the line cable. The arrow shows the direction of the current/voltage flow.

i The Split Core, must measure the same phase that connects to input (Phase)

The connection status LED and the button to switch to **PA mode(PA OU AP???)** are on the back of the iOW12MW

⚠ ATTENTION:

- ✗ Mordomus shall not be liable for any damages resulting from the use of our equipment outside the specifications and/or for a purpose other than that intended.
- ✗ Do not exceed the output ratings.

1. Installation

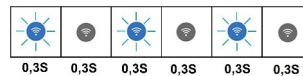
⚠ Caution! Before installing the device, make sure that the mains power is turned off.

1. Turn off mains power.
2. Perform the connection according to the respective schematic (illumination or blind/curtain control).
3. Power up.

2. Connection to WI-FI network and enrollment to Mordomus

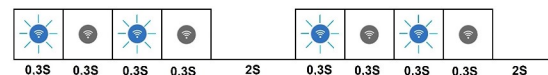
Method 1 - Automatic Setup (Router must support WPS)

1. Since factory, on powering up the iOW12MW is in WPS negotiation mode signaled by the connection status indicator blinking fast continuously.



⚠ Take care not to power up more than one device at the same time since WPS allows for configuration of only one device at a time. We recommend powering up and registering the devices in a sequential manner.

2. Press the WPS button on the router according to the user manual of this device and wait until the WPS negotiation is completed. This is signaled by 2 short blinks of the connection status indicator every 2 seconds.



3. Activate the pairing mode in the Mordomus Software by clicking the **Start inclusion** button in the device registration menu.

i To reach this menu from the main screen click **Configurations** → **Modules/Addresses** → **Plus Button [+]**

i This mode is limited to 5 minutes in software and on the iOW12MW device for safety reasons.

4. After the iOW12MW device shows up in the list make sure to click the button **Allow**.

The connection status indicator should remain off. 

From now on the iOW12MW device is ready to use.

Method 2 - Manual Setup

1. Activate AP mode and access the configuration page as described in section

5.

2. Enter the (SSID) in the field **WiFi Name** and password **WiFi password**. Enter the Mordomus Home Name in the field **Home Name** as defined in **Mordomus -> Configurations -> Connectivity: Mordomus Home Name**.


By entering the house name, the fields **Mordomus local IP** and **Mordomus Port** should be left blank.

3. Activate the pairing mode in the Mordomus Software by clicking the **Start inclusion** button in the device registration menu.

*To reach this menu from the main screen click **Configurations** → **Modules/Addresses** → **Plus Button [+]***









































This mode is limited to 5 minutes in software and on the iOW12MW device for safety reasons.

4. After the iOW12MW device shows up in the list make sure to click the button **Allow**.

The connection status indicator should remain off. 

From now on the iOW12MW device is ready to use.

3. Connection Status indicator codes













     	0,3S 0,3S 0,3S 0,3S 0,3S 0,3S
WPS discovery mode.	
             	0,3S 0,3S 0,3S 0,3S 2S 0,3S 0,3S 0,3S 0,3S 2S
Connected to Wifi and searching Mordomus.	
             	0,3S 0,3S 0,3S 0,3S 0,3S 0,3S 2S 0,3S 0,3S 0,3S 0,3S 0,3S 0,3S 2S
Access Point mode for manual configuration.	
     	1S 1S 1S 1S 1S 1S
Connecting to Router.	

4. Resetting the device to factory defaults

1. Enter AP mode and access the configuration page as described in section 5.
2. Click on the Button **Reset all**.

5. Activating AP Mode (Access Point)

1. By means of a non conductive fine tipped tool, press and hold the push-button on the backside of the iOW12MW for at least 12 seconds to activate Access Point mode. This is signaled by 3 short blinks of the connection status indicator every 2 seconds. **(para confirmar)**

     	0,3S 0,3S 0,3S 0,3S 0,3S 0,3S
     	2S 0,3S 0,3S 0,3S 0,3S 0,3S

2. Using a wireless device (Laptop, tablet, smartphone) connect to WI-FI network SSID **iOW12MW_1234** using the password **00000000 (eight zeroes)**.

The last four digits of the SSID are the same as the last four digits of the device's serial number. This mode is limited to 5 minutes on the iOW12MW device for safety reasons.

3. In the address bar of the browser of the device enter the IP **192.168.4.1** in order to access the configuration page of the iOW12MW.

5.1. Configuration page

The configuration page of the iOW12MW allows for a manual configuration of:
WiFi Name
WiFi Password
Mordomus Home Name
Mordomus Local IP
Mordomus port

The **Reset all** button resets all of the above settings and other configurations to the factory default values.



This product complies with the Electromagnetic Compatibility Directive 2014/30/EU.

RoHS

This product conforms with the EU Directive 2011/65, regarding the restriction of use of certain hazardous substances in electric and electronic devices.



For EU countries only.
All old electrical and electronic devices must be separated from normal household waste and disposed of at designated facilities. For further information contact your local authorities, waste disposal office or the shop where you bought the device.

