



Quick start guide

SDM230-WiFi

Single-Phase Two Module DIN rail Meters



How to install the 1-phase Wi-Fi kWh Meter.

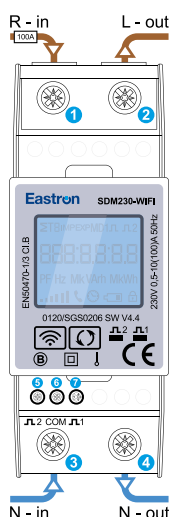
Step by step guide on how to install the Eastron SDM230 Wi-Fi kWh Meter.

Eastron®



Warning: Only install this device if you are familiar with electrical installations and the dangers they can impose. Disregarding the safety precautions can cause serious injuries.

Connection Diagram (Fused)



Double Pole Circuit Breaker Installation

- The kWh Meter is installed after the circuit breaker.
- The left side of the kWh Meter is connected to 230V~ from the breaker.
- The right side of the kWh Meter is connected to the SOURCE

of which you want to monitor. These could be solar panels, a car charger, heat pump, main connection, etc.

Step 1: Turn off power

Before beginning the installation ensure that incoming power is disabled. Remove the protection cap from the circuit breaker box and verify there is no power with tools intended for this purpose.

Step 2: Mount the kWh Meter

Determine the breaker of the source you want to get insight into. Place the kWh Meter on the DIN-rail. Do not forget to click the kWh Meter in place using the black tab on the bottom.

Step 3: Live wire of the source you want to get insight into

Attach the live wire (brown) of the source to terminal 2 on the top right of the kWh Meter.

Step 4: Neutral wire of the source you want to get insight into

Attach the blue neutral wire of the source to terminal 4 at the bottom right of the kWh Meter. (if you have no neutral wire to the source, you can skip this step).

Step 5: Neutral wire between the breaker and kWh Meter

Use an additional wire to connect the neutral terminal on the breaker with terminal 3 (bottom left) on the kWh Meter. We recommend using a 4mm copper wire for loads up to 32A.

Step 6: Live wire between the breaker and kWh Meter

Use an additional wire to connect the live terminal on the breaker with terminal 1 (top left) on the kWh Meter. We recommend using a 4mm copper wire for loads up to 32A.

Step 7: Check connections

Make sure all screws are tightened and pull every wire individually to ensure a strong connection is in place (2.5 - 3Nm).

Step 8: Turn on power

Close the circuit breaker box with the protection cap and enable incoming electricity. The screen on the kWh Meter will now turn on. Installation complete!

Single Pole Circuit Breaker Installation

- The kWh Meter is installed after the circuit breaker.
- The left side of the kWh Meter is connected to 230V~ from the breaker.
- The right side of the kWh Meter is connected to the SOURCE of which you want to get insight into. Such as solar panels, a car charger, heat pump, main connection etc.

Step 1: Turn off power

Before beginning the installation, ensure the incoming power is disabled. Remove the protection cap from the consumer unit and verify there is no power using tools designed for this purpose.

Step 2: Mount the kWh Meter

Identify the circuit supplying the load you want to monitor. Mount the kWh Meter onto the DIN rail inside the consumer unit. Ensure it is securely clicked in place using the black tab on the bottom.

Step 3: Live wire of the source you want to monitor

Attach the live wire (brown) of the circuit you want to monitor to terminal 2 (top right) of the kWh Meter.

Step 4: Neutral wire of the source you want to monitor

Attach the blue neutral wire of the circuit to terminal 4 (bottom right) of the kWh Meter. If the circuit does not have a neutral wire, you can skip this step.

Step 5: Neutral wire connection to the consumer unit

Connect a wire from terminal 3 (bottom left) of the kWh Meter to the neutral bar in the consumer unit. Use a 4mm² copper wire for loads up to 32A.

Step 6: Live wire connection to the breaker

Connect a wire from terminal 1 (top left) of the kWh Meter to the live terminal of the circuit breaker. Use a 4mm² copper wire for loads up to 32A.

Step 7: Check connections

Ensure all screws are properly tightened. Pull each wire individually to verify a strong and secure connection (torque: 2.5-3Nm).

Step 8: Turn on power

Reattach the protection cap to the consumer unit and enable the incoming power supply. The screen on the kWh Meter should turn on, indicating successful installation.

SDM230-WiFi

Single-Phase Two Module DIN rail Meters

Quick start guide



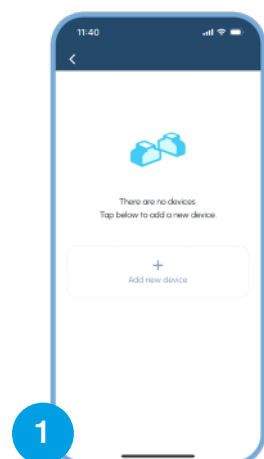
EasyLink



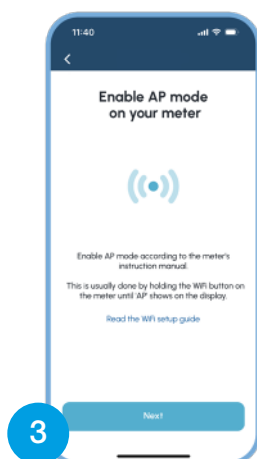
Download the EasyLink App on Apple and Play Store



Open the EasyLink Application and Login to your account or register if this is the first time connecting an Eastron Meter to the EasyLink Application.



Press **Add New Device** to add a device to the EasyLink Dashboard. Select **SDM230-WiFi**

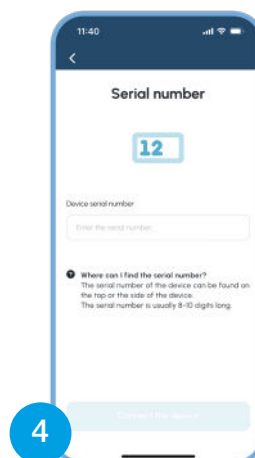
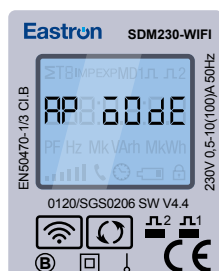


Enable AP Mode on the Meter

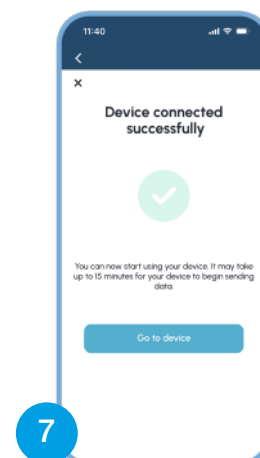
Press and hold the WiFi button  on the kWh Meter until the display shows **AP Mode**. The kWh Meter is now in pairing mode. If the meter does not display **AP Mode**, restart the joining process from step 3.



Ensure the Meter is wired correctly and powered on



Enter the Serial Number of the Meter to Pair the Meter with the App.



The Device is now connected and will start output Energy Readings to the Dashboard.



Select the WiFi Network the meter will connect to.



EasyLink Dashboard Examples.



Enter the Password of the WiFi Network.

Misrepresentation Act – The details provided in this document are believed to be accurate but cannot be guaranteed. All liability, whether in negligence or otherwise, for any loss arising from the use of these details is hereby excluded.

©2025 Copyright Eastron

Address: **NO 52, Dongjin Road, Nanhui, Jiaxing, Zhejiang, China**

Tel: **+86-573-83698881**

Email: **sales@eastrongroup.com**

Fax: **+86-573-83698883**

www.eastrongroup.com

Eastron®

SDM230-WiFi

Single-Phase Two Module DIN rail Meters

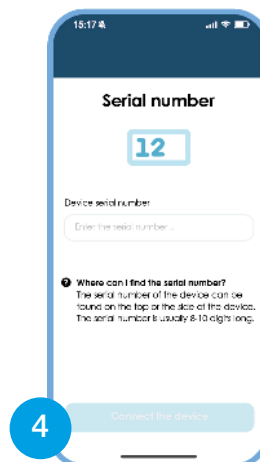
Quick start guide



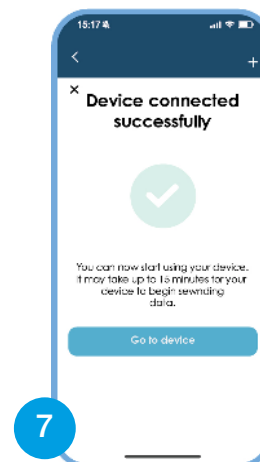
Download the EasyLink App on Apple and Play Store



Open the EasyLink Application and Login to your account or register if this is the first time connecting an Eastron Meter to the EasyLink Application.



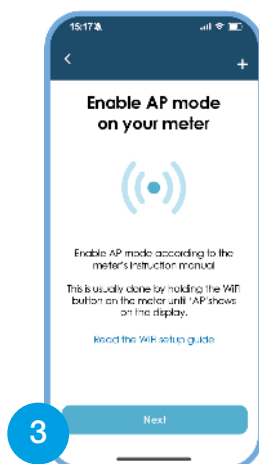
Enter the Serial Number of the Meter to Pair the Meter with the App.



The Device is now connected and will start output Energy Readings to the Dashboard.



Press **Add New Device** to add a device to the EasyLink Dashboard. Select **SDM230-WiFi**

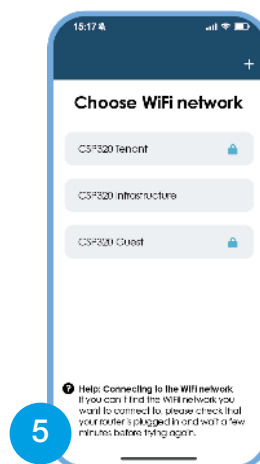


Enable AP Mode on the Meter

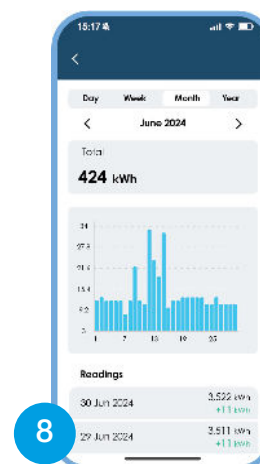
Press and hold the WiFi button  on the kWh Meter until the display shows **AP Mode**. The kWh Meter is now in pairing mode. If the meter does not display **AP Mode**, restart the joining process from step 3.



Ensure the Meter is wired correctly and powered on



Select the WiFi Network the meter will connect to.



EasyLink Dashboard Examples.



Enter the Password of the WiFi Network.

Misrepresentation Act –
The details provided in this document are believed to be accurate but cannot be guaranteed. All liability, whether in negligence or otherwise, for any loss arising from the use of these details is hereby excluded.

©2025 Copyright Eastron

Address: **NO 52, Dongjin Road, Nanhui, Jiaxing, Zhejiang, China**

Tel: **+86-573-83698881**
Email: **sales@eastrongroup.com**
Fax: **+86-573-83698883**

www.eastrongroup.com

Eastron®