

TROUBLESHOOTING

The connection status LED on the Wi-Fi router (red LED) is not lit

In this case, the device setup process has probably not been performed correctly.

- Confirm that the device is powered on
- Confirm that the name (SSID) of the Wi-Fi router and the password entered are the correct ones. Beware of cases where the Wi-Fi name or password includes punctuation, spaces, and uppercase letters. You should enter these too, exactly as you see them.
- Try restarting the device with the **Restart Button** and / or with removing and re-attaching the power. Wait for a few minutes
- Try steps 3 through 6 from the Setup instructions again.

The Wi-Fi connection status LED (red LED) is lit but the Cloud connection status LED (green LED) is not lit

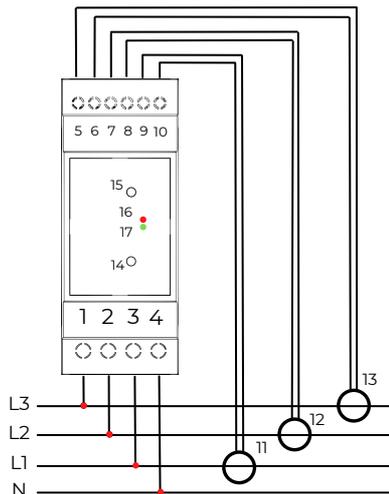
In this case the device is connected to your Wi-Fi router, but the Wi-Fi router or a firewall is preventing the device from communicating with the Cloud.

- Confirm that your Wi-Fi router has Internet access. If not, contact your Internet connection provider.
- Enter the Wi-Fi router settings and confirm that the firewall is not preventing the device from accessing the Internet. Note that the device and the application use ports **9001 and 9002**, so confirm that the firewall is not "cutting off" these ports.

More information about the installation of our devices, their capabilities and the use of our platform can be found at <https://hamsystems.tawk.help/>

This product is in compliance with the **Radio Equipment Directive (RED) 2014/53/EU** and the **Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU** and carries the **CE Mark**. The complete EU declaration of conformity can be found at https://hamsystems.eu/res/doc/dinmeter3p_ce.pdf

Manufacturer: Home Automation and More P.C.
76, 28th October, 54642, Thessaloniki, Greece



DinMeter3P

1. L3
2. L2
3. L1
4. N
5. CT3-
6. CT3+
7. CT2-
8. CT2+
9. CT1-
10. CT1+
11. **Phase 1** Current Transformer clamp
12. **Phase 2** Current Transformer clamp
13. **Phase 3** Current Transformer clamp
14. **Reboot** button
15. **Setup** Button
16. **Wi-Fi** Connection Status LED
17. **Cloud** Connection Status LED

- **Energy Measurement** with **Current Transformers**
- **Measure Active Power, Voltage, Current, Power Factor, Reactive Power, Total Harmonic Distortion**

- **Internet** connection via **Wi-Fi**
- **Easy setup**
- Input **3x230VAC (3P4W)**, 0.02A

2 years warranty



SETUP

In order to connect the device to your Wi-Fi network, you need to use the HAM Systems app. All the other features are also available on the Web on <https://hamsystems.eu>

1. **Connect the device according to the wiring diagram** on the first page.
Put the Current Transformer around the wire you want to measure.
2. **Check your connections and power up the device**
3. **Open the HAM Systems app.** If you don't have an account create one
4. **Click on (+) button** on the devices list view on the APP
5. **Follow the instructions** on the app
6. If the Status LED is fully on and the device does not appear on the app, then you may also need **claim the device** to your account. Click on (+) and select the Claim Device option
7. You should now be able to **view data from the device on the app**

In case you are having difficulties, you can **try restarting the device** and repeating the steps.

If you want to change the Wi-Fi network of your device, you can do so by doing the steps 3-5. You don't have to re-claim your device in this case

SAFETY WARNINGS

- Incorrect wiring of the device may lead to permanent damage to the device and / or sensors. Make sure your connections are correct before powering the device
- Do not disassemble the device. Doing so, voids the warranty
- In case of loss of network, you will not be able to monitor the real-time values of the device
- You should not rely on the device in such a way that puts human or animal lives at risk. You are responsible for checking the accuracy of the readings periodically

USAGE

To use the device, visit our webapp at <https://hamsystems.eu> or search **HAM Systems** at the App Store / Play Store

Some features of the app:

- Control outputs from anywhere in the world via the Internet
- Set up time based schedules and timers
- View real time and historical output state
- Create interactions between other HAM Systems devices by using IF this THEN that style rules
- Secured communications with TLS
- Organize your devices with groups and floorplans

The **Setup button** is using during the setup process to pair the device to your Wi-Fi network
The **Reset button** restarts the device, similar to power cycling

TECHNICAL SPECIFICATIONS

Input	3x230VAC (3P4W), 10mA 50Hz
Current Transformers	3x 80A/80mA
Metering	Energy / Voltage / Current / Active and Reactive Power / Power factor / Total Harmonic Distortion, per phase and total
Accuracy	5%
Environmental conditions	-10°C to 55°C
Dimensions	2 DIN Rail Modules
Enclosure Material	ABS UL 94 V-0
Communications protocol	Wi-Fi IEEE 802.11 b/g/n 2.4Ghz Bluetooth Low Energy