

OHM ASSISTANT

Bot Installation | WiFi Pairing | App Registration

Setup Guide | 3rd Gen



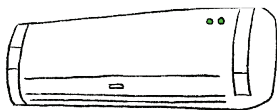
INTRODUCING OHM ASSISTANT



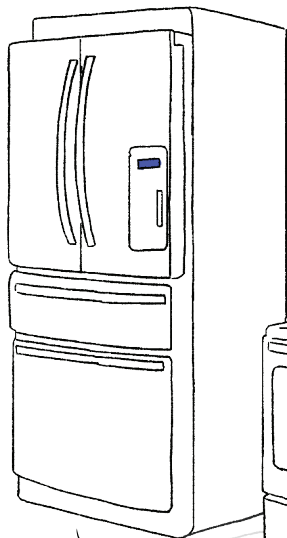
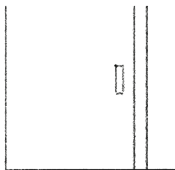
Ohm Assistant is an 'energy-fitness' solution, enabling homes to track appliance-level power usage data & become wiser on energy consumption and appliance management.

Get set to “feel the heartbeat of your home”.

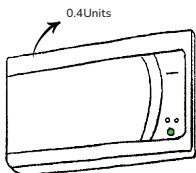
- **Dashboard** | Ohm shows you the electricity consumption of the appliances in your home, real-time right on your mobile app.
- **Analysis** | Power leaks, appliances guzzling energy and its disaggregation - monitor all of these and more.
- **Budget** | No more guess work. Easily understand your usage and learn how you are billed.
- **Vyas & Diagnosis** | Understand your appliances better! Add them in Vyas and diagnose health to check any fault or leakages.
- **Train your Bot** | Train your bot to minimize wrong detection of appliances and get sharper analysis.
- **Community** | Connect, discuss & seek clarifications for anything around your energy efficiency journey. Access user documentation and product updates here. Get news, happenings & articles and keep abreast on Ohm Assistant & SustLabs.
- **Set Alerts** | Get notified in case of sudden surges in power consumption or voltage fluctuations! Set threshold and abnormality alerts, avoid disasters & work toward savings.



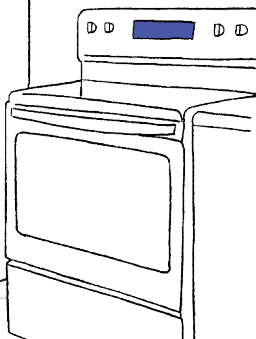
0.8 Units



0.3 Units



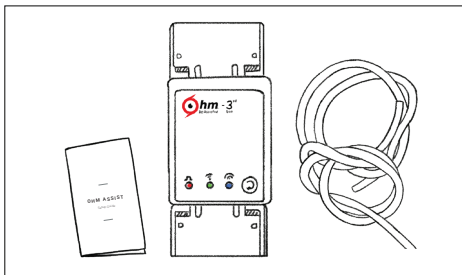
0.4Units



0.2Units

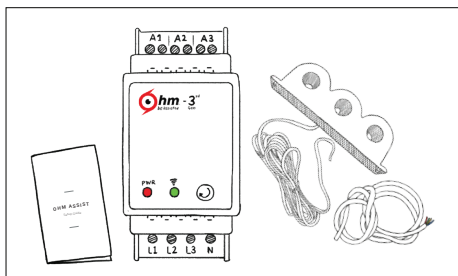


IN THE BOX



For A Single Phase Ohm Assistant - 3rd Gen

Ohm Assistant Single Phase | Setup & Feature Guide
Single Core Cable (6sq mm-2 Nos)



For A Three Phase Ohm Assistant - 3rd Gen

Ohm Assistant Three Phase | Setup & Feature Guide
Four Core Cable (0.5sq mm) | CT Current Sensor Module

PRE INSTALLATION GUIDELINES

1. Confirm that the Ohm Bot can be installed within the distribution panel.
2. Evaluate installation feasibility with your local electrician. You can also reach out to the SustLabs team with photographs of your distribution panel for our advice.
3. If the distribution panel has insufficient space, install the Ohm Bot externally. Mount the Ohm Bot in an external enclosure ensuring proper support.
4. Make arrangements for additional wire, external enclosure etc. as required.

DANGER WARNING

Safe electrical installation must be carried out only by skilled professionals. They must possess demonstrated knowledge in the following areas

- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables

The outputs may carry an electric current even when the device is switched off. Always disconnect the MCB/fuse in the incomer circuit from the supply before working on the connected loads. Failure to follow these instructions will result in serious injury.

NOTE

EQUIPMENT DAMAGE

Do not open the energy monitor, push, puncture or touch any internal parts or attempt to repair. Contact the SustLabs support team for any sort of assistance. If you have observed any damaged cable during the process and also before the process of installation or during maintenance, replace them to avoid any potential fire hazard. Failure to follow these instructions can result in equipment damage.

INSTALLATION

TOOLS AND MATERIAL

- Smart Phone
- Flashlight
- Thick Rubber Gloves
- Flathead & Tester Screwdrivers
- Accessories (Electrical)
- Arrange extras if required.**
- Additional Wire
- Enclosure to install the Ohm Bot externally








BOT SPECIFICATIONS

Single Phase Ohm Assistant - 3rd Gen

TECHNICAL SPECS

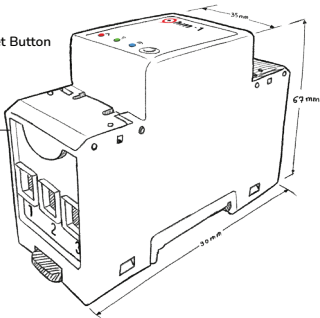
- Connection: 1 Phase 2 Wire
- Current Input: 45 Amps
- Frequency: 50 / 60 Hz
- Mounting: Din Rail 35mm

LED INDICATIONS

-  **Power Indicator | Red Blinking**
Bot powered
- Hotspot Indicator**
-  **Blue Steady**
Bot searching for WiFi
-  **Blue Blinking**
Bot hotspot created for WiFi connection.
-  **WiFi Connection Indicator | Green Blinking**
Bot successfully connected to WiFi
-  **Reset Button**

BOT DIMENSIONS

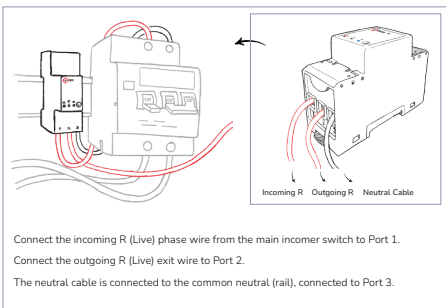
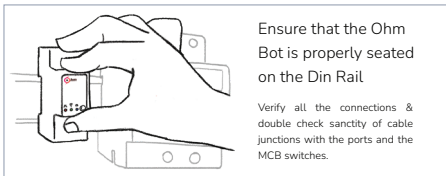
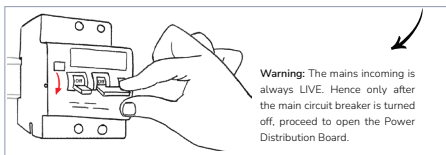
- W: 35 mm
- H: 90 mm
- D: 67 mm



BOT INSTALLATION

Single Phase Ohm Assistant - 3rd Gen

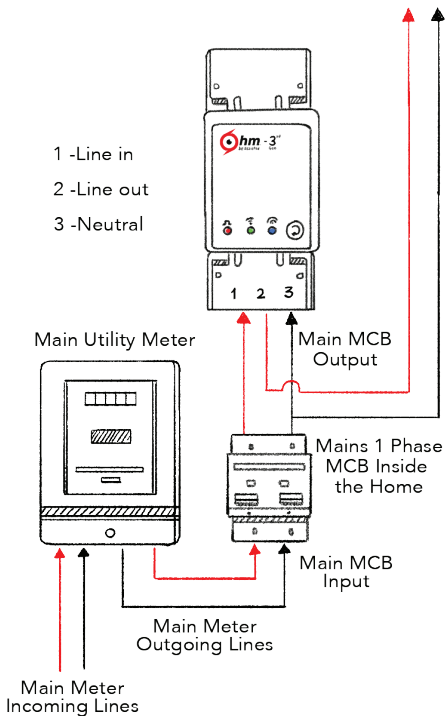
1. Locate the mains electricity panel in your home.
2. Turn off breakers for each phase & individual MCBs for



3. Switch on the mains breaker. Refer the LED indications as given in the Bot Specification page.

INSTALLATION DIAGRAM

Single Phase Ohm Assistant - 3rd Gen








BOT SPECIFICATIONS

Three Phase Ohm Assistant - 3rd Gen

TECHNICAL SPECS

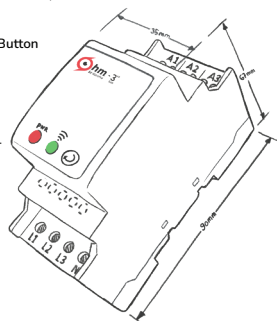
- Connection: External CT
- Current Input: 100 Amps
- Frequency: 50 / 60 Hz
- Mounting: Din Rail 35mm

LED INDICATIONS

-  **Power Indicator | Red**
Bot powered
-  **Hotspot Indicator**
Red Steady (45 sec)
Bot searching for WiFi
-  **Red Blinking**
Bot hotspot created for WiFi connection.
-  **Green Blinking**
Bot successfully connected to WiFi
-  **Reset Button**

BOT DIMENSIONS

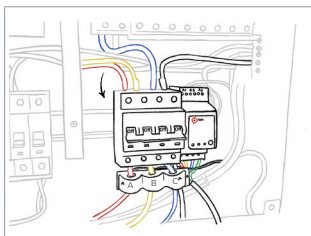
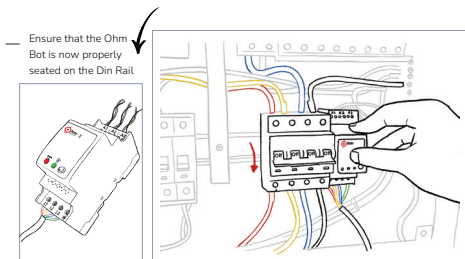
- W: 35 mm
- H: 90 mm
- D: 67 mm



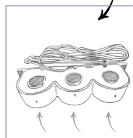
BOT INSTALLATION

Three Phase Ohm Assistant - 3rd Gen

1. Locate the mains electricity panel in your home.
2. Turn off breakers for each phase & individual MCBs for safety.
3. Verify all the connections to the Ohm Bot & double check sanctity of cable junctions with the ports and the MCB switches before mounting. (Refer the diagram below)



The orientation of the Current Sensor core is important as shown in the diagram. The wrong direction will result in negative values.

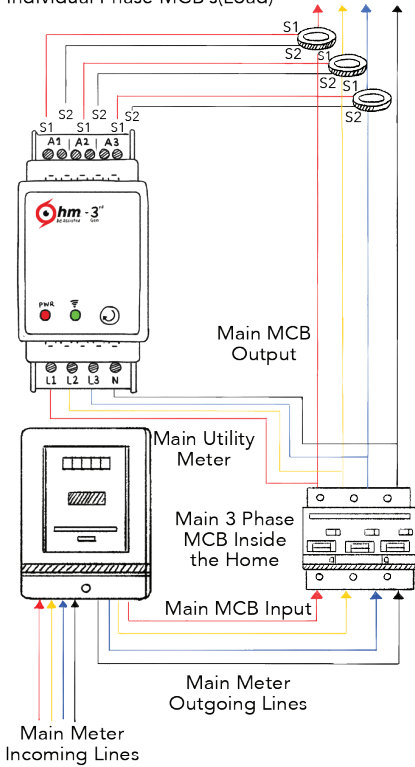


4. Once installed, switch on the mains breaker. Refer the LED indications as given in the Bot Specification page.

INSTALLATION DIAGRAM

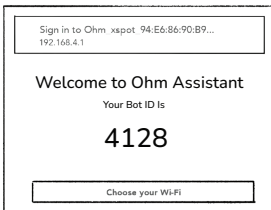
Three Phase Ohm Assistant - 3rd Gen

To Individual Phase MCB's(Load)

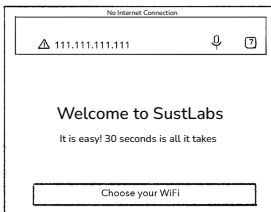


WIFI PAIRING

1. Turn off mobile data or disconnect the device (mobile phone or laptop) from the existing network.
2. Open the WiFi scanner and select the 'ohm_xspot' network. Connect to this network using the password **abcd1234**.
3. When the device is connected to the Ohm Bot, the default page is automatically opened in the browser. Carefully note the Bot ID displayed, for subsequent registration in the Ohm Assistant App



*Note: If the default Bot ID page does not open automatically, manually open the bot local link (setup.sustlabs.com/111.111.111.111)



WIFI PAIRING CONTD.

4. Click "Choose your WiFi". The list of available networks is displayed. Select home/preferred network from the available list. Carefully enter the correct password and save.

Sign in to Ohm_xspot_94:E6:86:90:B9...
192.168.4.1

It is advisable to connect your bot to signal strength **more than 30%** for better experience.

ZTE-f3tXCu

Sparrow2

66%

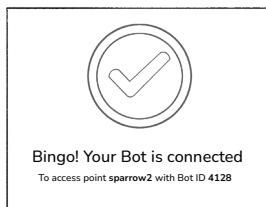
42%

Sparrow2

Save

5. Bingo! You're Ohm Bot is now connected to the WiFi. For LED indications please refer the Bot Specification page for Single phase or Three phase as applicable.

6. Ensure the LED activity as required and confirm that the device is disconnected from the Ohm network.



7. If the 'ohm_xspot' network reappears, repeat the WiFi pairing process.

8. Restart the Bot, if it does not respond.

APP REGISTRATION

1. Download the application from the App Store or Google Play Store. PC/Laptop users can access MyOhm Web App through Web Browser. **app.ohmassistant.com**
2. Install the Ohm Assistant App. Proceed to register with the following information.
 - a. Mobile Number & OTP (One time password)
 - b. User Name & Email ID
 - c. Bot ID (Generated during WiFi pairing)

WARRANTY DETAILS

Standard Warranty: 12 months from the date of delivery.

The warranty shall not cover:

1. Mechanical damage caused by impact, falling or dropping the Ohm device or the object, unauthorized use or not observing the installation guidelines & incorrect installation
2. Damages resulting from external causes, for example flood, fire, lightning, storm, natural calamities.
3. Damages resulting from power surges in the utility network, improper connection to the grid in a manner inconsistent with the installation guide, or from connecting other devices not recommended by the manufacturer.
4. Damages & defects resulting from the use of spurious spare parts or accessories improper, repairing, tampering or introducing alterations by unauthorized persons, or operating devices or inoperable accessories.

CUSTOMER SUPPORT

Contact Details

Website: www.ohmassistant.com

Email: support@sustlabs.com

Landline: +91-22 2085 0360

Ohm Assist Helpline: +91-773 888 0339

Address: SustLabs, SINE, 3rd Floor,

CSRE Building, IIT Bombay, Powai,

Mumbai - 400076, Maharashtra, India.

Ohm user documentation is available online.
Access the Ohm Community to explore the
product documents & support videos.



Ohm Assistant is a trademark and the property of SustLabs.