

# PLC Installation Guide

The PLC module converts wired internet connection (network cable) to the internet over the local power grid.

## Installation

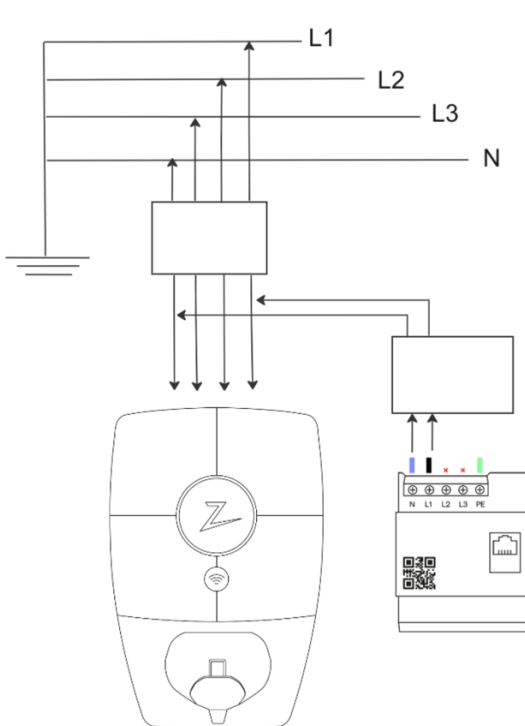
The PLC module is mounted on a DIN rail. It requires a connection to the mains power cabling and a standard ethernet. Only use connection terminals marked L1- N, PE

Connecting the PLC 3 phase or using L2 or L3 will extend the cable length which can reduce the signal strength.

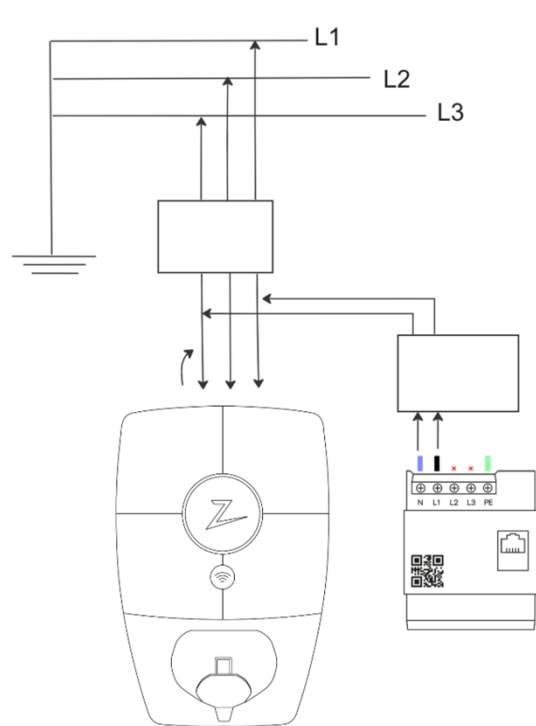
To ensure reliability:

- Minimum one PLC module for each circuit
- Each PLC can support up to 30 chargers
- Install the PLC module in an enclosure near the charging stations. Network cable should not exceed 90 meters
- Remove/ isolate noise sources from network

Connection TN system



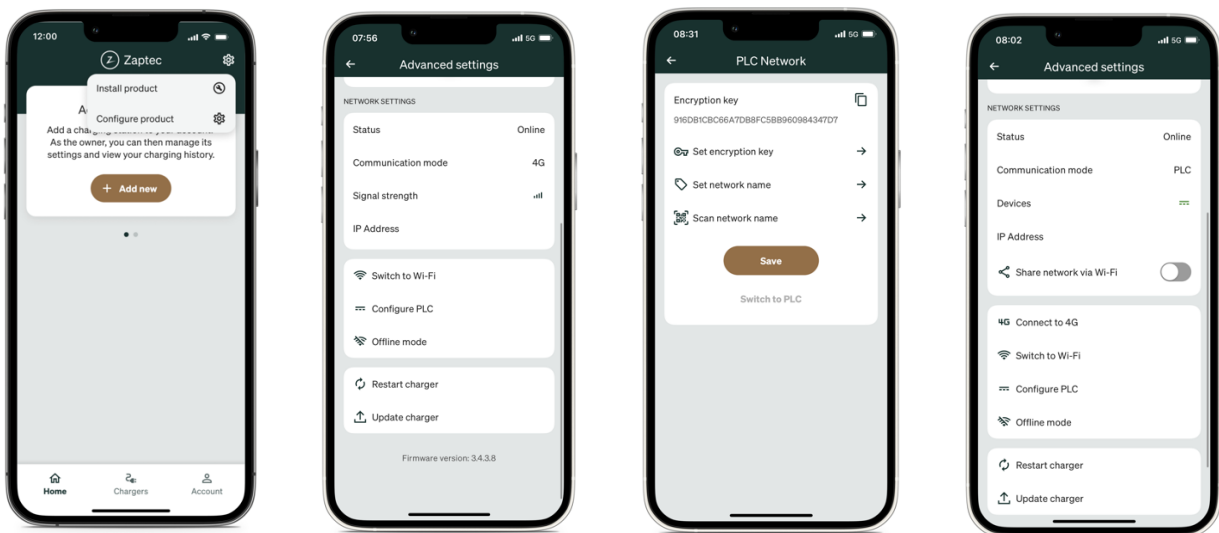
Connection IT system



# Configure the PLC module

After installation, the PLC module must be configured in the Zaptec App.

1. Open the Zaptec App and log in with your Zaptec account
2. From the Home, tap the ●●● at the top-right
3. Select "**Configure product** " and connect to the charger with Bluetooth
4. Scroll down to Network settings. Tap "**Configure PLC**"
5. Tap "**Scan Network Name**"
6. Use the camera to scan the QR code on the PLC module or upload image from gallery
7. Tap "**Save**" to connect to network



Repeat these steps for each charging station to be connected to the PLC module.

**Note!** For installations with more than one PLC module, be sure to encrypt the PLC to belonging chargers

## Status light indicator



Green PLC is connected to power

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No Light PLC is not connected to power

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Red PLC communicates with charger(s)

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Green PLC is not communicating with other units on the PLC network. This could be because the chargers are not encrypted with the same encryption key as PLC

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Green PLC is connected to network router

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No Light PLC is not connected to open port on router. Even though it is communicating with router, it does not mean it has access to the internet.

## Support

If you discover an issue, please read our troubleshooting section at [zaptec.com/PLC](http://zaptec.com/PLC)

If you have any further questions feel free to contact our technical support team at:

[+47 919 03 676](tel:+4791903676)