

# PLC Installation Guide

## 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.

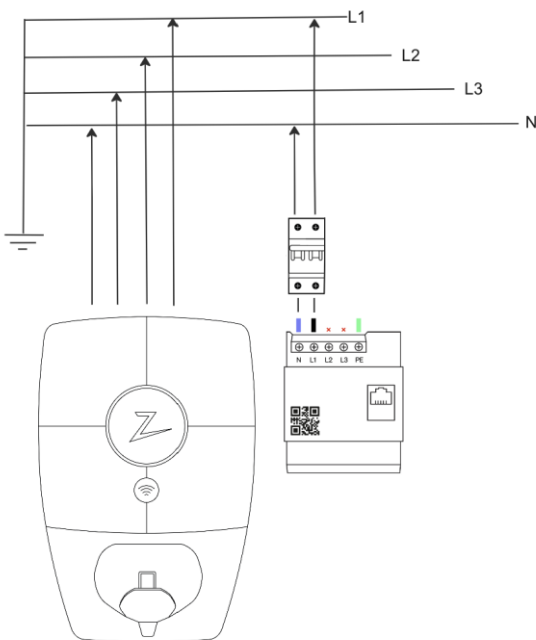
Connecting the PLC 3 phase or using L2 or L3 will extend the cable length which can reduce the signal strength.

To ensure reliability:

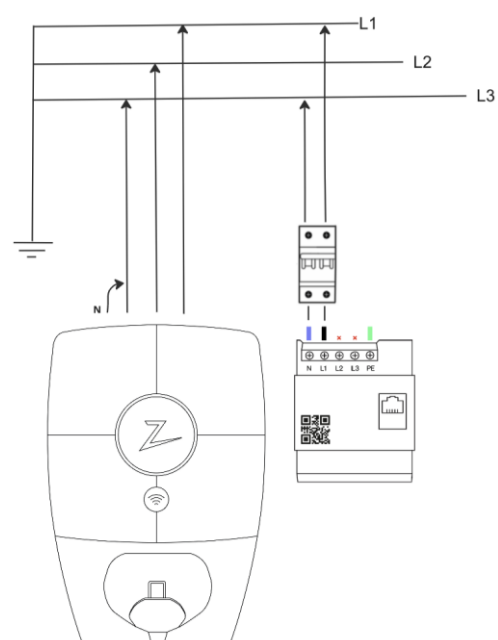
- Minimum one PLC module for each circuit
- Each PLC can support 15-25 chargers, depending on the installation
- For best signal, install the PLC module in an enclosure near the charging stations Network cable should not exceed 90 meters
- Remove/ isolate noise sources from network

For more info, recommendations and troubleshooting tips, go to [Zaptec.com/plc](https://Zaptec.com/plc)

Connection TN system




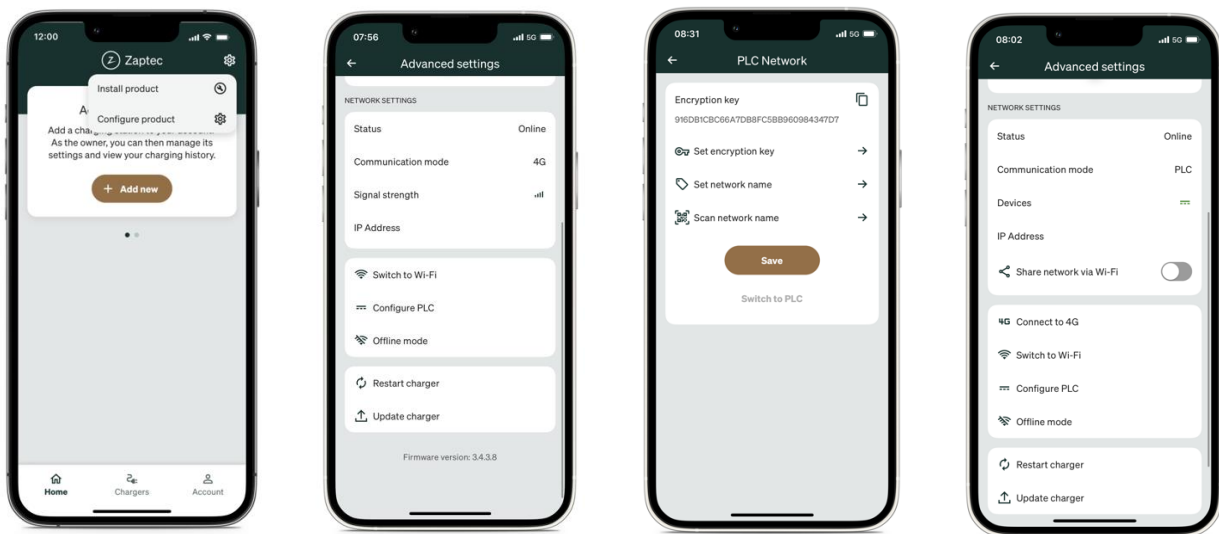
Connection IT system



## Configure the PLC module

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

1. From Home, tap the  at the top-right
2. Tap **Configure products** and connect to the charger with Bluetooth
3. Scroll down to Network settings
4. Tap **Configure PLC**
5. Tap **Scan Network Name**
6. Use the camera to scan the QR code on the PLC module. Iphone users can 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 chargers to the right PLC.

## 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](https://zaptec.com/plc).

For further questions feel free to contact our technical support team at [zaptec.com/support](https://zaptec.com/support).