# Z Zaptec

## **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. <u>Only use connection terminals marked L1- N, PE.</u>

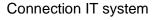
Connecting the PLC 3 phase or using L2 or L3 will extend the cable length which can reduce the signal strength.

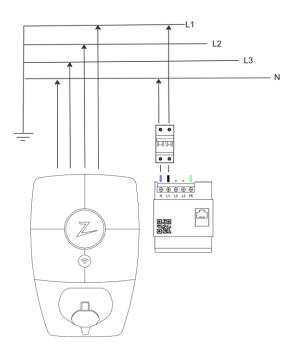
To ensure reliability:

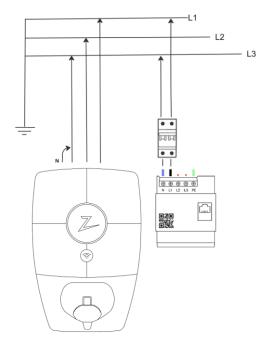
- Minimum one PLC module for each circuit
- Each PLC can support 15-25 chargers, depending on the installation
- For best signal, install the PLC module in an enclosure near the charging stations Network cable should not exceed 90 meters
- Remove/ isolate noise sources from network

For more info, recommendations and troubleshooting tips, go to Zaptec.com/plc

Connection TN 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

12:00	07:56 <sup>to</sup> ut so ■ ← Advanced settings	08:31 <sup>•</sup> 1 50 ■) ← PLC Network	08:02 0 and 50 ■ ← Advanced settings
Install product A configure product A dat e.th. A the owner, you can then manage its settings and view your charging history. A dd new A dat	NETWORK SETTINGS Status Online Communication mode 4G Signal strength all IP Address © Switch to Wi-Fi == Configure PLC © Offline mode O Restart charger t Update charger	Encryption key  DIODRICEC660A7D08FC58059000434707  Gr Set encryption key  Cost set work name  Cost Set work name  Seve Switch to PLC	NITWORK SETTINGS Status Online Communication mode PLC Devices m IP Address Share network via Wi-Fi VIS Connect to 4G Switch to Wi-Fi Configure PLC Solution PLC Solution mode
ि देह डि. Home Chargers Account	Firmware version: 34.3.8		C Restart charger

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**

ს	Green	PLC is connected to power	
ს	No Light	PLC is not connected to power	
企	Red	PLC communicates with charger(s)	
仚	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	
A.	Green	PLC is connected to network router	
A.	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.

For further questions feel free to contact our technical support team at zaptec.com/support.