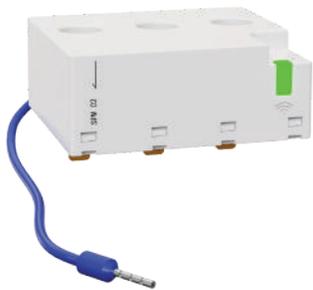




Safety Instructions

- Any DLB-pack must be associated with an easily accessible upstream protection and circuit- breaker system.
- DLB-pack shall not be installed if, while unpacking, any damage is observed.
- DLB-pack must be installed inside electrical panels or switchboards, behind a door or plate, so that it is inaccessible to unauthorized persons.
- DLB-pack may only be installed, operated, serviced and maintained by qualified professionals.
- Wear appropriate personal protective equipment (PPE) and follow safe electrical work practices.
- All relevant local, regional, and national regulations must be respected while installing and using the DLB-pack.
- During the installation of the DLB-pack, a verification of the appropriate mechanical connection and electrical continuity of the connections must be performed by a professional technician.
- Turn off all power supply sources before installing and during maintenance of the DLB-pack.
- Always use a properly rated voltage sensing device to confirm power is off.
- Do not use the DLB-pack for voltage testing purposes. A Voltage Tester must be used instead.
- Failure to follow these instructions can result in death, serious injury, or equipment damage.
- EVshield is not liable in case the instructions mentioned in this document and other referred documents are not respected.



Technical Overview

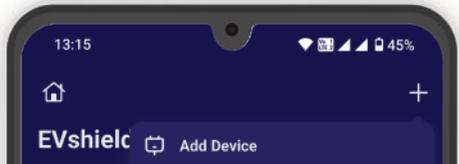
| | |
|---------------------------|-------------------------|
| Nominal Voltage | : 208-415VAC 50/60Hz |
| Amps | : Max. 63A |
| Measurement Accuracy | : 1 % |
| Surge withstand voltage | : 4kV |
| Overvoltage category | : III |
| Temperature | : -25°C ~ 70°C |
| Humidity | : <85% |
| Altitude | : <2000m |
| Wiring | : Max. 35mm2 |
| Mounting | : 35mm DIN-rails |
| Ingress Protection | : IP20 |
| Communication | : Wi-Fi |
| Normal power consumption | : 0.7W |
| AP Mode power consumption | : 1.4W |

Connect to APP

Download the EVshield APP from the APP store.



- 1) Create an account or use the APP with a local account.
- 2) Make sure the phone is connected to a **local 2.4GHZ Wi-Fi network** and **Bluetooth is Enabled**
- 3) Make sure the DLB-pack is connected to power and in pairing mode.
- 4) In the top right corner, press the + symbol to add a new device. Follow the instructions on screen to add the DLB-pack to the APP.



- 4a) Device not found? Reset Wi-Fi by holding down the RESET-button above the LED on the device for 5 seconds.



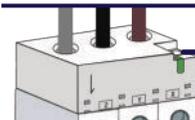
- 5) Make sure another EVshield Device is connected to the APP:

- ThunderCord
- Smart-pack

- 6) Create a new "SMART Task"
- 6a) For quick Installation; select one of the preconfigured SMART tasks.
- 6b) SMART tasks can be reconfigured to better suit the installation power requirements

Disclaimer

This guide is to be used as a reference only. EVshield does not provide advice, instructions or recommendations regarding the electrical installation and cannot be held liable for incorrect installation of the EVshield DLB-pack and associated components. Always follow the instructions of the charger manufacturer and have the installation carried out by a certified installer according to local safety guidelines.



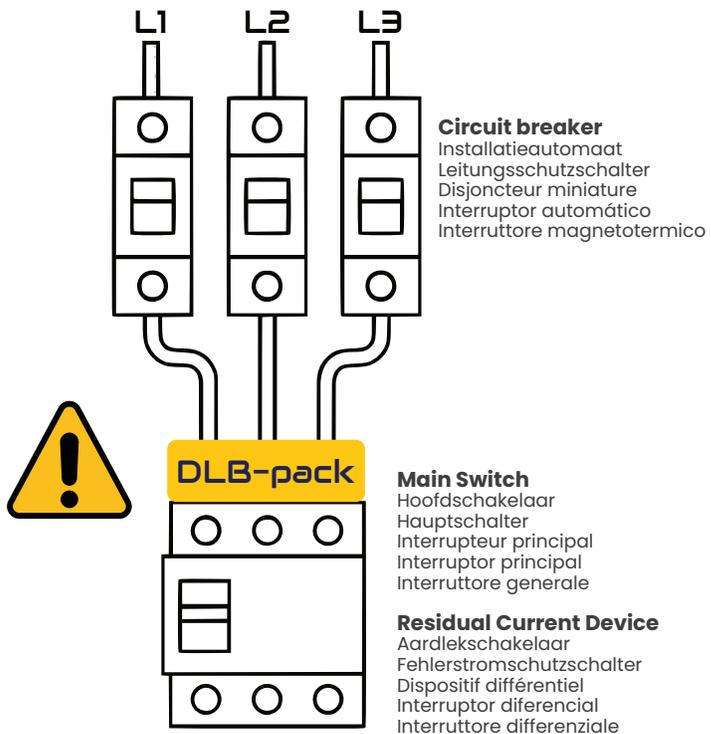
RESET

LED Overview

| | | |
|--|---|--|
| | | |
| Device connected LED ON | Pairing mode Flashing 2Hz | AP Mode Flashing 0.5Hz |
| DLB-pack is online and functioning normally with APP connectivity. | To enable pairing mode press and hold the reset button until the LED flashes rapidly. | DLB-pack is in access point mode and connecting to the APP. |
| | | |
| APP Disconnected Flashing 1Hz | Other Error Flashing 0.25Hz | ALARM Flashing 1Hz |
| Connected to Wi-Fi, but failed to connect to the APP. | The device failed to self-check. Please power off, restart, and reconfigure the network settings. | An electric fault has been detected. Please check the wiring and power supply. |

Installation location

Install the DLB-pack directly after the main switch or residual current meter. The DLB-pack must be able to measure the entire power consumption, not only the EVshield! Incorrect installation will result in Dynbamic Load balancing not working



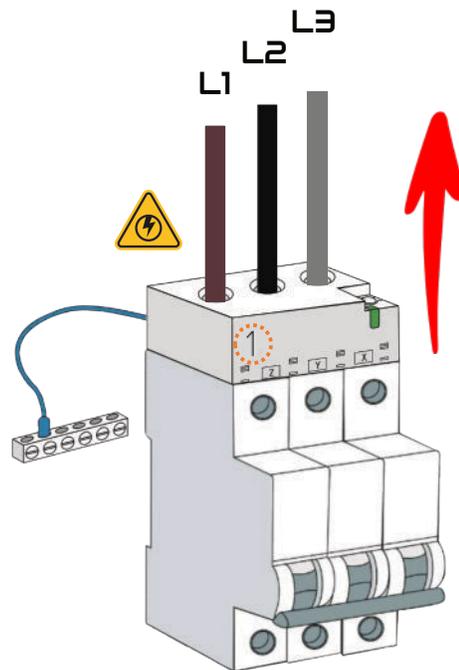
Installation Instructions

Choose option A or option B, make sure the arrow on the DLB-pack must be pointing along with the flow of electricity: towards the EVshield.

If the device is placed pointing away from the flow of electricity the measurements will be inverted!



Option A



Option B

