

Quick installation manual

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List of equipment required for the installation of a GreenBox EV

1. GreenBox EV
2. Ethernet or PLC (Power Line Communications) cable
3. 250 mA 250 VAC fuse
4. Cross-tip M3 screwdriver
5. Cable with a maximum section of 4 mm²

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Installing the GreenBox EV in the electrical panel

1. Turn the power to the system off in order to work safely.
2. Secure the GreenBox to the DIN rail of the electric box
3. Connect the fuse between phase and terminal 2.8
4. Connect the neutral to terminal 2.5
5. Give priority to a phase and a neutral coming from the same circuit breaker as that of the pulse meter

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Aansluiting van de meter met S0-impulsuitgangen

1. Connect terminals S0+ and S0- of the pulse output meter to one of the GreenBox's three S0 terminals:

Input 1: 2.2 (S0+) and 2.6 (S0-)
Input 2: 1.7 (S0+) and 1.3 (S0-)
Input 3: 2.7 (S0+) and 2.3 (S0-)

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Connecting the PLC or Ethernet cable

1. Connect the Ethernet cable (straight or crossover) into the RJ45 connector on the GreenBox EV
2. Connect the other end of the cable directly to the router or a PLC
3. If you use a PLC on the GreenBox EV side, connect the other PLC to the router

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Switching on the GreenBox EV and checking assembly

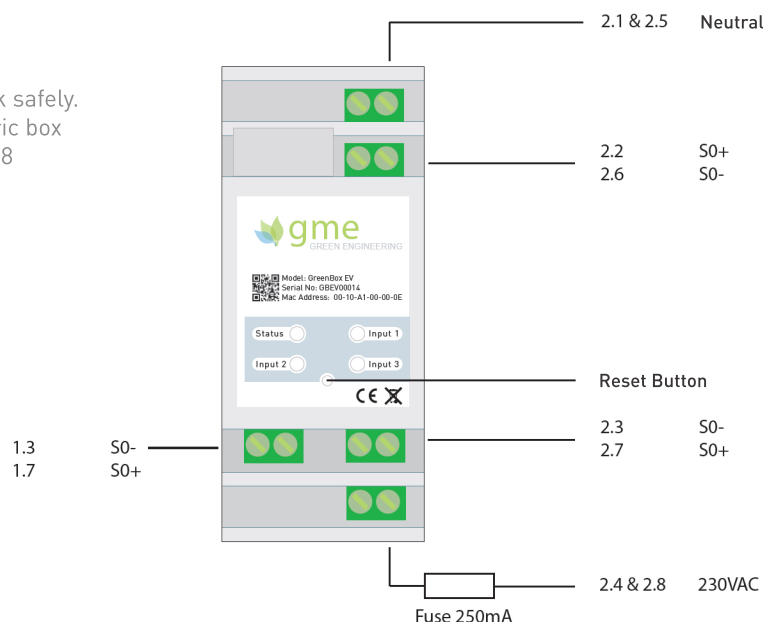
1. Turn on the circuit breaker
2. Check that the status LED observes the following steps:

- When turned on, the LED should be lit permanently and not blinking
 - After a few seconds, the LED should start flashing rapidly (2x per second). This status indicates that the GreenBox is correctly installed on the local network
 - Once the Internet connection is established the LED should start flashing slowly (1x per second)
3. Check that the input LED to which you have connected your meter has flashed at least once. This validates the connection of the S0 inputs of the pulse meter(s).

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Before you start!

1. Take the reading of the pulse meter(s).
2. Write down the serial number of the pulse meter(s) if you want to take the readings automatically.
3. Make sure that the status LED flashes slowly (1x per second)
4. Configure the GreenBox on your installer interface www.mygreenbox.be



If there is a problem:

1. The status LED does not light during switching-on

- Check the wiring on terminals 2.5 (Neutral) and 2.8 (Phase)
- Check the 250 mA fuse

2. The LED corresponding to the meter input never blinks

- Check the wiring of the S0+ and S0- inputs.
If they are reversed no pulse will be recorded

3. The status LED does not blink

- Check the Ethernet cable
- Check if you are on a network with fixed IP.
If this is the case, switch the GreenBox to static IP mode: push the reset button until the status LED flashes once. For further information on this topic, see the operating manual.

4. The status LED flashes rapidly (2x per second) but not slowly (1x per second)

- Check the Internet connection: Disconnect the Ethernet cable from the GreenBox and plug it into the PC instead. Make sure that your computer is connected to the Internet.
- If the GreenBox is connected to a Belgacom BBox, check that the Ethernet cable is plugged into a LAN port (1 & 2, yellow colour) and not a Belgacom TV port (3 & 4, grey colour)