Installation Instructions - M600B

Please review and follow steps 1-4 during installation. It is very important that this guide is followed to avoid damage to equipment and potential hazards to the environment.

The power box should only be installed by qualified personnel.

The installer must ensure that the customer/user is instructed on how to operate the power box. The person(s) receiving training will be referred to as trained personnel.

1. Installation

- The box should be placed in the same room or in close proximity to the power rails/mats to be connected. Avoid excessively long cable runs.
- Recommended cable cross-section from the device to the power rail/mat is 1.5-2.5mm^2.
- Mount with 4 screws at each corner of the box.
- Installation height: 120-150cm
- **Remove the LED connected between + and - on the terminal clamps! See the attached image.**
- Connect the power rail/mat to the plus and minus terminals on the circuit board's output. (Double-insulated cable should be used down to the power rail).
- Connect the box to a grounded power outlet.

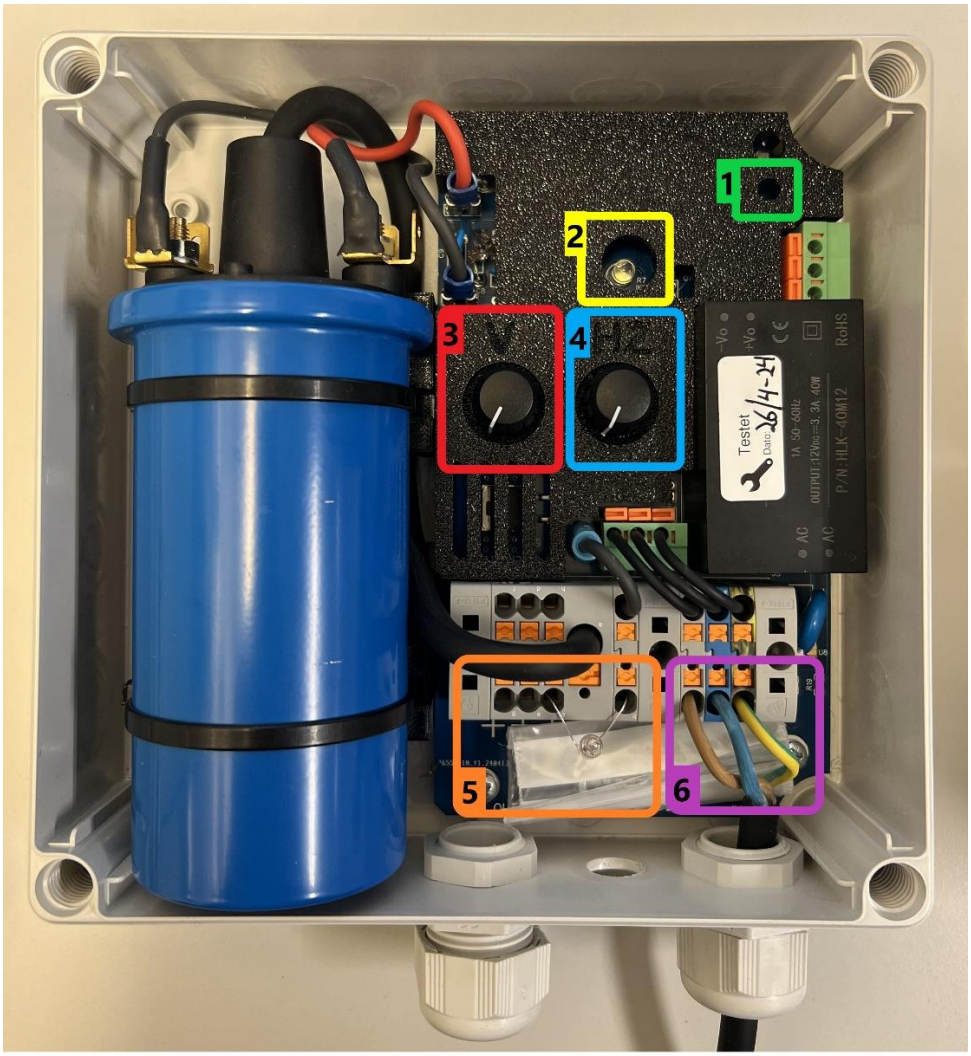
2. Commissioning

- **The power rail/mat must be connected to the output before the mains power is connected!**
- Ensure all connections are made according to regulations.
- Perform a visual inspection before the power is connected to the box.
- The green LED on the terminal clamp will light up when voltage is connected.
- The white LED will indicate the frequency at the output.
- Potentiometer P1 adjusts the output voltage. The output on the high-voltage side has a voltage range from 1.2kV to 6kV. Turn clockwise to increase the voltage.
- Potentiometer P2 adjusts the pulsing frequency. The frequency range is from 5 pulses per second to 1 pulse every other second. Turn clockwise to increase the frequency.

3. Warning Signs

- Set up visible warning signs where the power rail/mat is installed!
- The power box should only be operated by trained personnel.

Attached image 1.1



1 ● LED - Normal operation

2 ● LED - Pulsing frequency

3 ● P1 - Voltage adjustment

4 ● P2 - Frequency adjustment

5 ● High voltage output

6 ● 230 VAC input

4. Voltage Check

- Check the voltage on the power rail/mat with a current tester.
- Check the voltage at the point farthest from the box. The voltage should not fall below 900 volts. Adjust the voltage if necessary.
- The maximum voltage should not exceed 4000 volts.