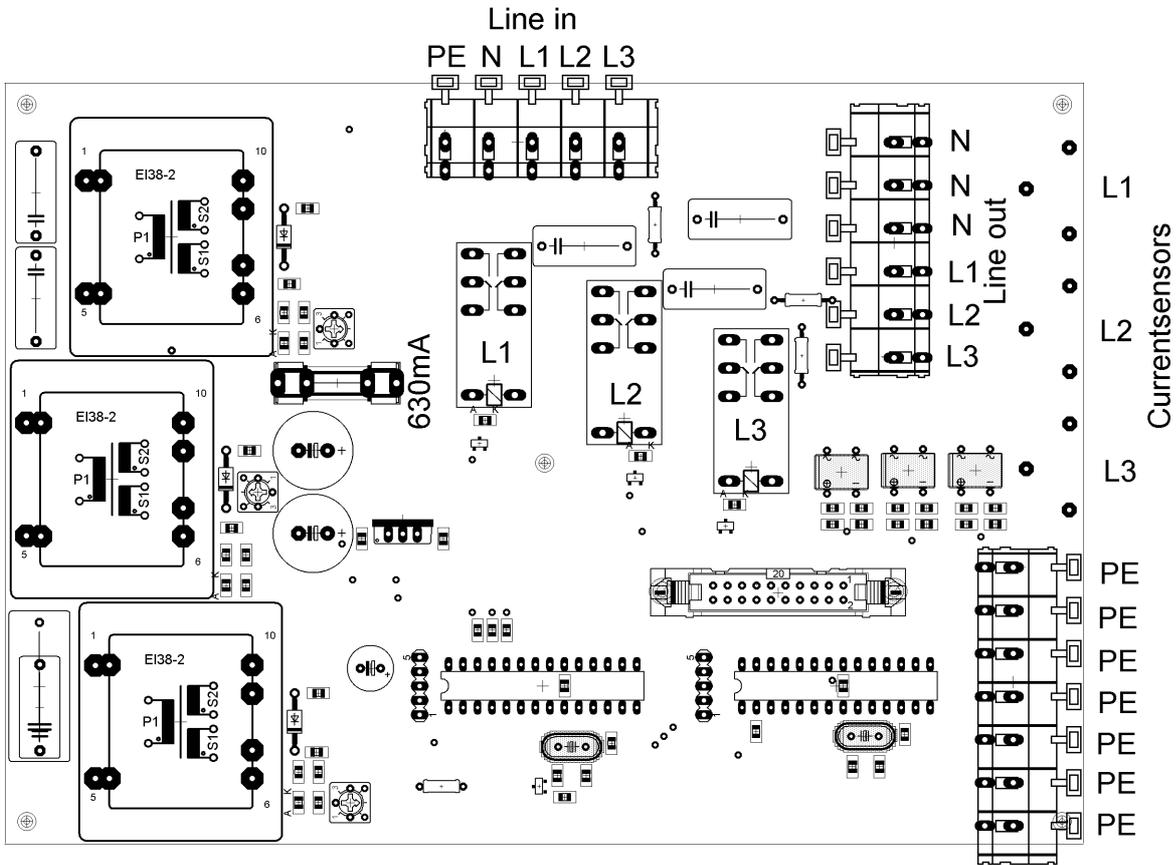


User Instructions for the Varibox devices

Congratulations to your new Varibox. This device might help to save the „life“ of your equipment in some circumstances and will indicate the status of the 3 power lines.

The Varibox is a 3 phase line distribution box with a line monitor and protection circuit. You will find something similar to the following picture of the board under the top cover if you remove the cover from the Varibox.



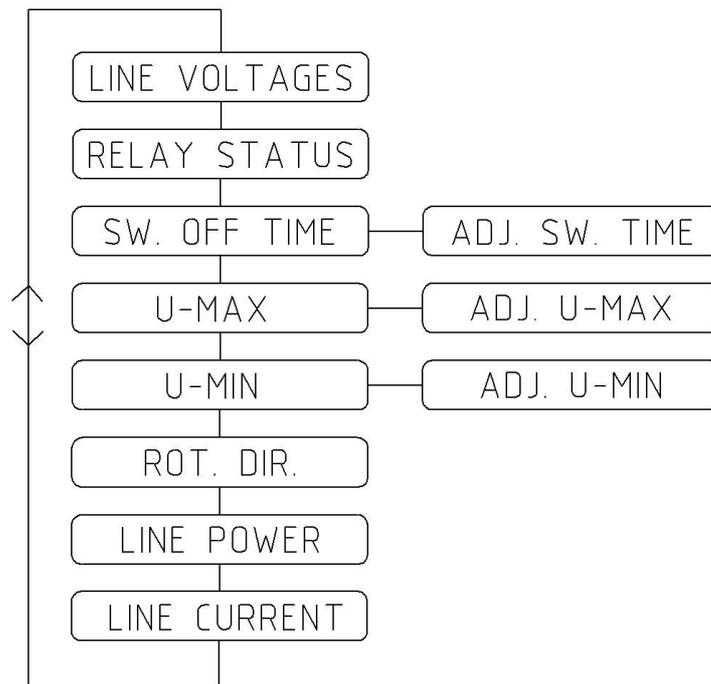
Installation:

You will note the connectors for the input and the output on the board. The current sensors are located at the right side. Please take care that the output line cables will pass through the hole of the current sensor before it will be connected to the output socket if you build your own extension. At the right side of the metalbox is a din rail implemented what allow you to use din rail connectors for an extension. Please note that the Varibox is build for a maximum current of 16 Ampere. The current sensors are able to handle up to 25 Ampere but will be out of the almost linear rage if you use it above 16 Ampere.

WARNING: Please take care that you doing all works inside of the Varibox without any connection to the power lines cause you might the risk of an electrical shock. Don't work inside of the Varibox if you are not be allowed to do any electrical modifications by law!

About the indicated voltages and currents: Please note that the tolerances of the indicated values at the display are somewhere below to +/- 3 % plus/minus one digit. Please don't use this device if you will need exact values for documentations etc. The varibox is build to give you a usable value for your applications on stage, not more and less...

The following diagram shows the different program – and display options. Just feel free to navigate with the “Up” and “Down” buttons through the menu.



The **Switch off time** can be changed by pressing the “Mode” button if this program option is indicated in the display. You can change the switch off time with the “Up” and “Down” button and save it by pressing the “Mode” button.

The **U-Max.** can be changed by pressing the “Mode” button if this program option is indicated in the display. You can change the maximum allowed output voltages with the “Up” and “Down” button and save it by pressing the “Mode” button. The maximum voltage protection is be switched off if you set it to 255 Volt.

The **U-Min.** can be changed by pressing the “Mode” button if this program option is indicated in the display. You can change the minimum allowed output voltages with the “Up” and “Down” button and save it by pressing the “Mode” button. The minimum voltage protection is be switched off if you set it to 0 Volt.

Please note that the Varibox will switch off the output sockets if the setting of the minimum voltages is somewhere above 0 Volt and 1 or 2 power lines are off. This is just a protection if you use 3 phase motors in your application. You might need to set the minimum allowed voltages to 0 Volt if you use the varibox for the protection of other equipment.

Service and Warranty:

The warranty on this product is 2 years from invoice date. Legal references: Please note that these devices may be used only by trained technicians. A responsibility of the manufacturer for possible damage or disadvantages of the user by the use of the devices is hereby expressly excluded. The respective laws for this kind of devices are to be kept by the user. The company Axel Joost Elektronik declared further that these devices are made under the applicable CE-standards and ROHS regulations, Please feel free to contact us at info@optogate.com if you have further questions.