PRELIMINARY INSTRUCTIONS FOR INDICATION A TRIP OF THE OVERVOLTAGE UNIT (SPD'S) ON THE FRONIUS TAURO

Fronius International, TechSupport International, 08.2023

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Version 03 2023

Solar Energy

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Note

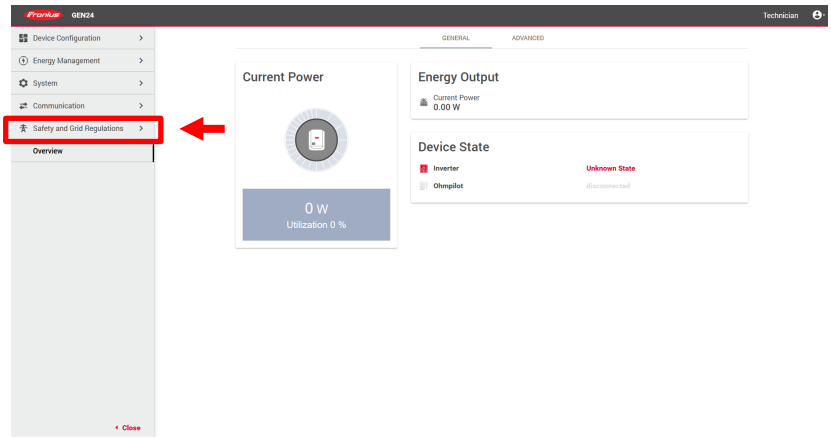
In order to currently obtain information as to whether the integrated overvoltage contactors (SPDs for short) have tripped, the display is done via a workaround. This can be done as follows.

Step 1

Connect via smartphone / tablet or laptop to the data communication board of your Fronius Tauro. You can find out how to do this in your operating instructions.

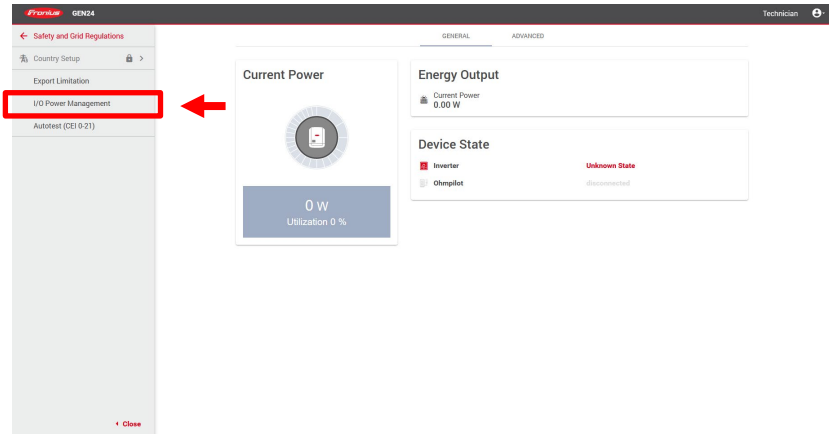
Step 2

Go to the tab „Safety and Grid Regulations“



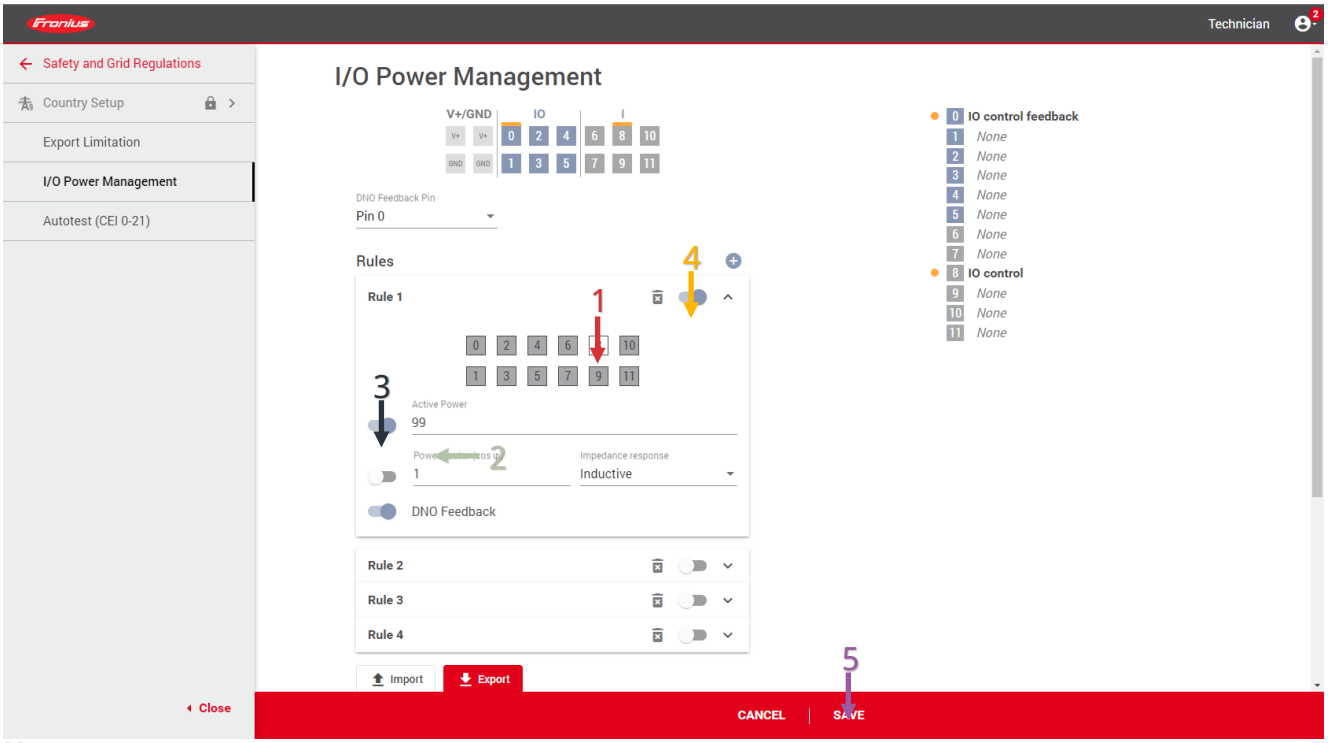
Step 3

Go to the tab „I/O Power Management“



Step 4

Activate the active power function at a free rule (in the example rule 1 - IO control position 8). Depending on the setting of the value, in this case it was set to 99% output power of the inverter, the inverter regulates its output power.

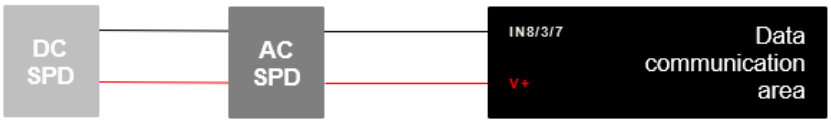


Note to step 4

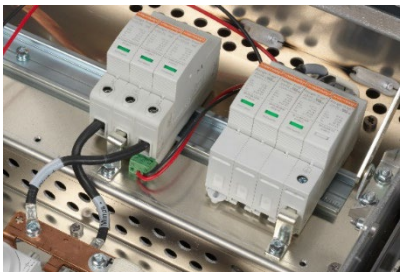
Please note that the signal line of the SPDs is connected to position 8 ex works. If you change the connection, you must take this into account here accordingly.

In the example we reduce the active power to an output power of 99%. This ensures that you also see this behavior very clearly in the Solar.web at Archive.

Circuit diagram:

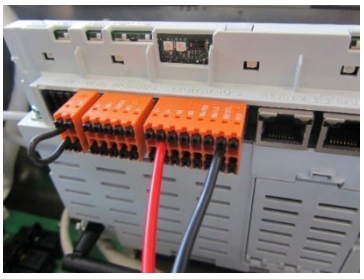


Example pictures:



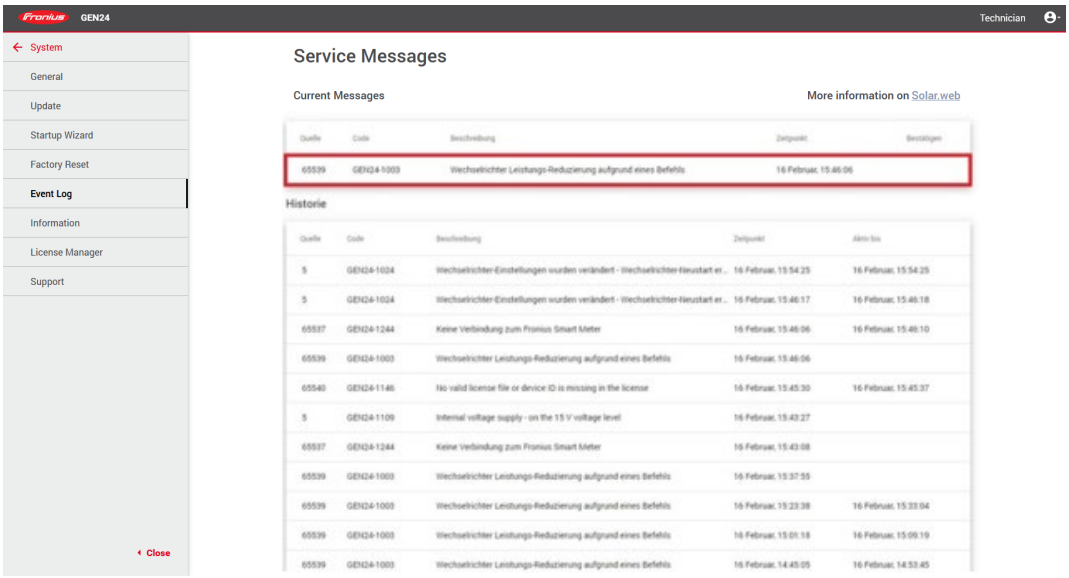
SPD's Fronius Tauro

SPD's Fronius GEN24



Pilot

Display State Code (1003)

If the overvoltage protection is triggered, this rule reduces the inverter to an output power of 99% and at the same time a state code 1003 is ejected. You can see this error message either in Solar.web or via the data communication interface of the inverter.

Example: