

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

Publisher: Fronius International GmbH – TechSupport International
Version: 01_EN
Date: 03 / 2021

Note

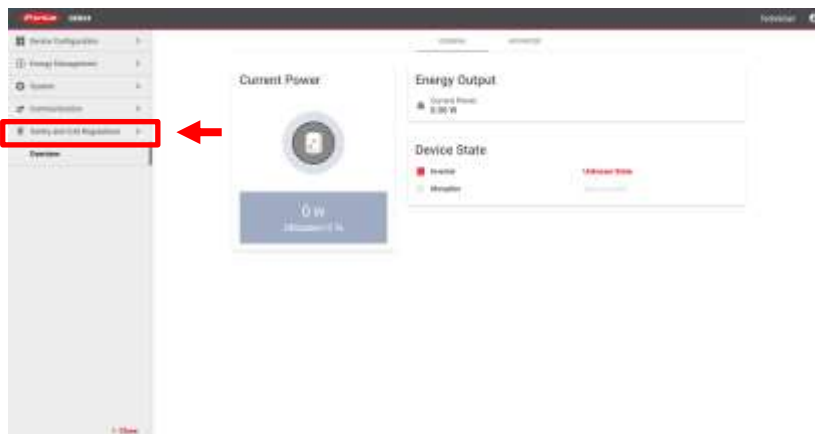
In order to currently obtain information as to whether the integrated overvoltage contactors (SPDs for short) have tripped, the display is done via a workaround. This can be done as follows.

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.

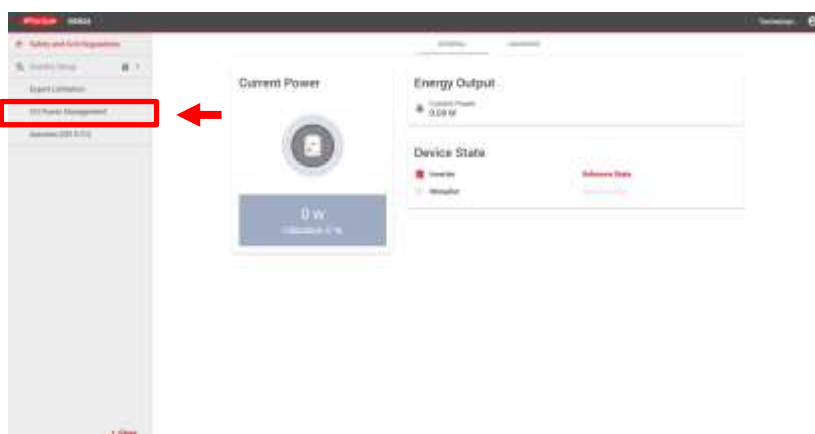
Step 2

Go to the tab „Safety and Grid Regulations“



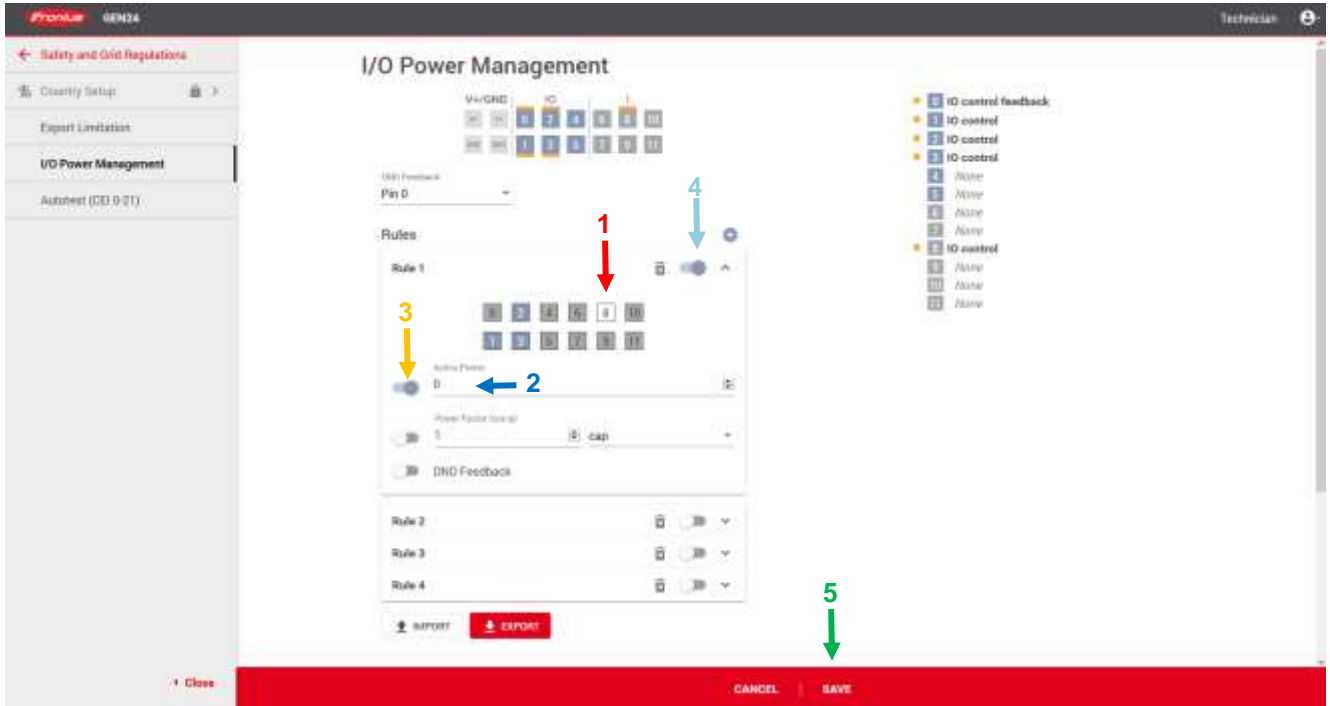
Step 3

Go to the tab „I/O Power Management“



Step 4

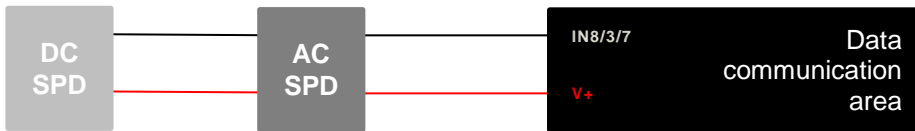
Activate the active power function at a free rule (in the example rule 1 - IO control position 8). Depending on the setting of the value, in this case it was set to 0% output power of the inverter, the inverter regulates its output power.



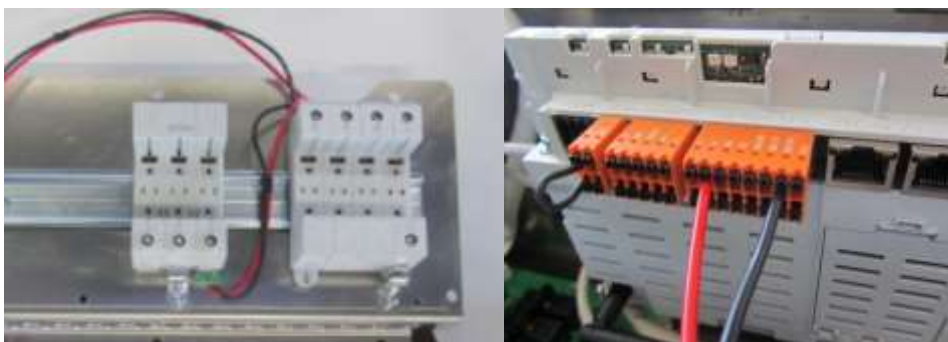
Note to step 4

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 0%. This ensures that you also see this behavior very clearly in the Solar.web at Archive. Since this is a very drastic measure, you are of course free to adjust this value for yourself.

Circuit diagram:



Example pictures:





Display State Code (1003)

If the overvoltage protection is triggered, this rule reduces the inverter to an output power of 0% 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:

Service Messages

Current Messages [More information on Solar.web](#)

State	Code	Description	Timestamp	Message
0000	GE04-1003	Wechselrichter Leistungs-Reduzierung aufgrund eines Befehls	16 Februar, 15:46:06	

Historie

State	Code	Description	Timestamp	Message
0	GE04-1024	Wechselrichter-Einstellungen wurden verändert - Wechselrichter Neustart er...	16 Februar, 15:34:25	16 Februar, 15:34:25
0	GE04-1024	Wechselrichter-Einstellungen wurden verändert - Wechselrichter Neustart er...	16 Februar, 15:40:17	16 Februar, 15:40:18
0007	GE04-1244	Keine Verbindung zum Fronius Smart Meter	16 Februar, 15:46:06	16 Februar, 15:46:10
0000	GE04-1003	Wechselrichter Leistungs-Reduzierung aufgrund eines Befehls	16 Februar, 15:46:06	
0004	GE04-1146	No valid license file or device ID is missing in the license	16 Februar, 15:45:30	16 Februar, 15:45:37
0	GE04-1196	Internal voltage supply - on the 15 V voltage level	16 Februar, 15:43:27	
0007	GE04-1244	Keine Verbindung zum Fronius Smart Meter	16 Februar, 15:43:09	
0000	GE04-1003	Wechselrichter Leistungs-Reduzierung aufgrund eines Befehls	16 Februar, 15:37:35	
0000	GE04-1003	Wechselrichter Leistungs-Reduzierung aufgrund eines Befehls	16 Februar, 15:23:38	16 Februar, 15:32:04
0000	GE04-1003	Wechselrichter Leistungs-Reduzierung aufgrund eines Befehls	16 Februar, 15:07:18	16 Februar, 15:02:18
0000	GE04-1003	Wechselrichter Leistungs-Reduzierung aufgrund eines Befehls	16 Februar, 14:45:15	16 Februar, 14:52:45