FACILE QE-POWER-T

The FACILE QE-POWER-T software is the fastest way to configure the three phase power QE-POWER-T.
Download the software from our website
http://www.qeed.it/category/software/?lang=en
Update your Java if needed.

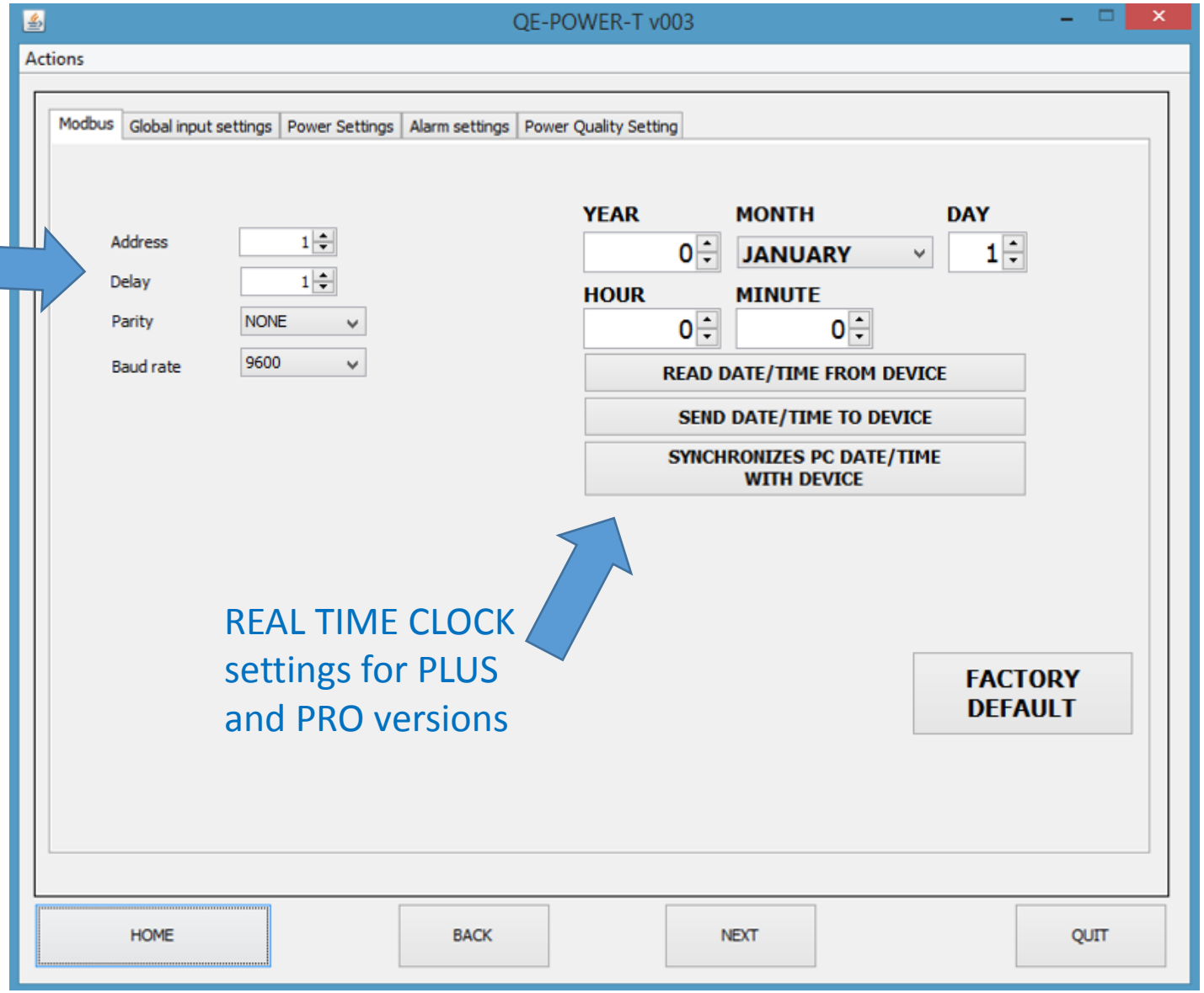
Connect the PC to the QE-POWER-T using a USB-RS485 converter (like the Q-USB485).
The software will give you all the steps for the connection.

Mind that the QE-POWER-T need to be switched off and on to charge the new configuration.

Modbus configuration parameters

Mind that, when you set the internal dip switch to 1 to connect the device to the PC by FACILE you are in the default mode: Address 1 , Baudrate 9600.

In this way, if you don't know the configuration of a QE-POWER-T already installed you can read it anytime using the default setting by dip switch 1 ON e choose LOAD CONFIGURATION FROM DEVICE on the FACILE main page

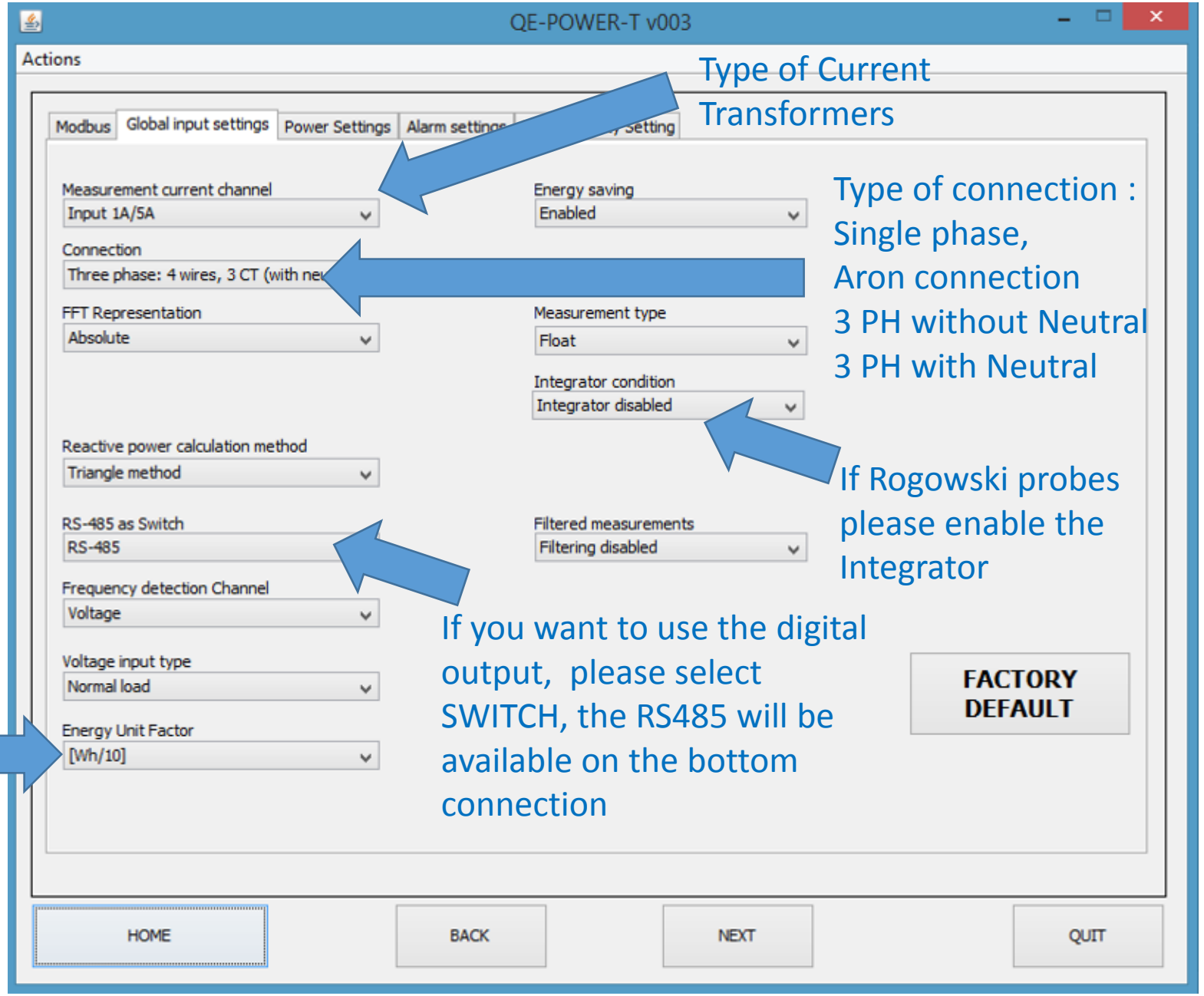


Select the scale for the energy registers:

Wh/10 -> reading 10001 = 1000,1 Wh = 1,0001 KWh

Wh -> reading 10001 = 10001 Wh = 10,001 KWh

KWh -> reading 10001 = 10001 KWh



Type of Current Transformers

Type of connection :
Single phase,
Aron connection
3 PH without Neutral
3 PH with Neutral

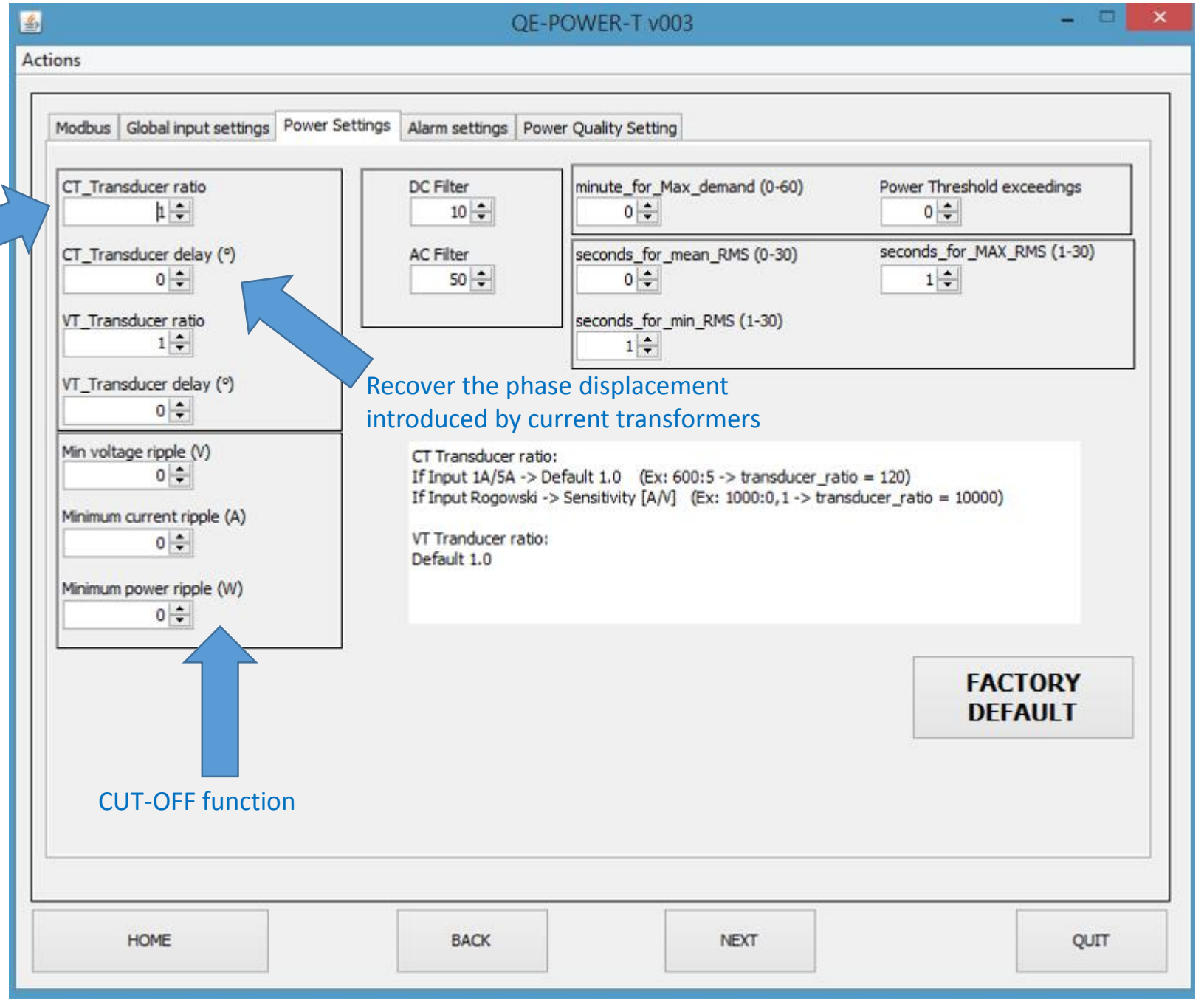
If Rogowski probes please enable the Integrator

If you want to use the digital output, please select SWITCH, the RS485 will be available on the bottom connection

CT Ratio
For Current secondary:
Primary / Secondary
(E.g. : 100 A / 5 A = 20)
Put 20

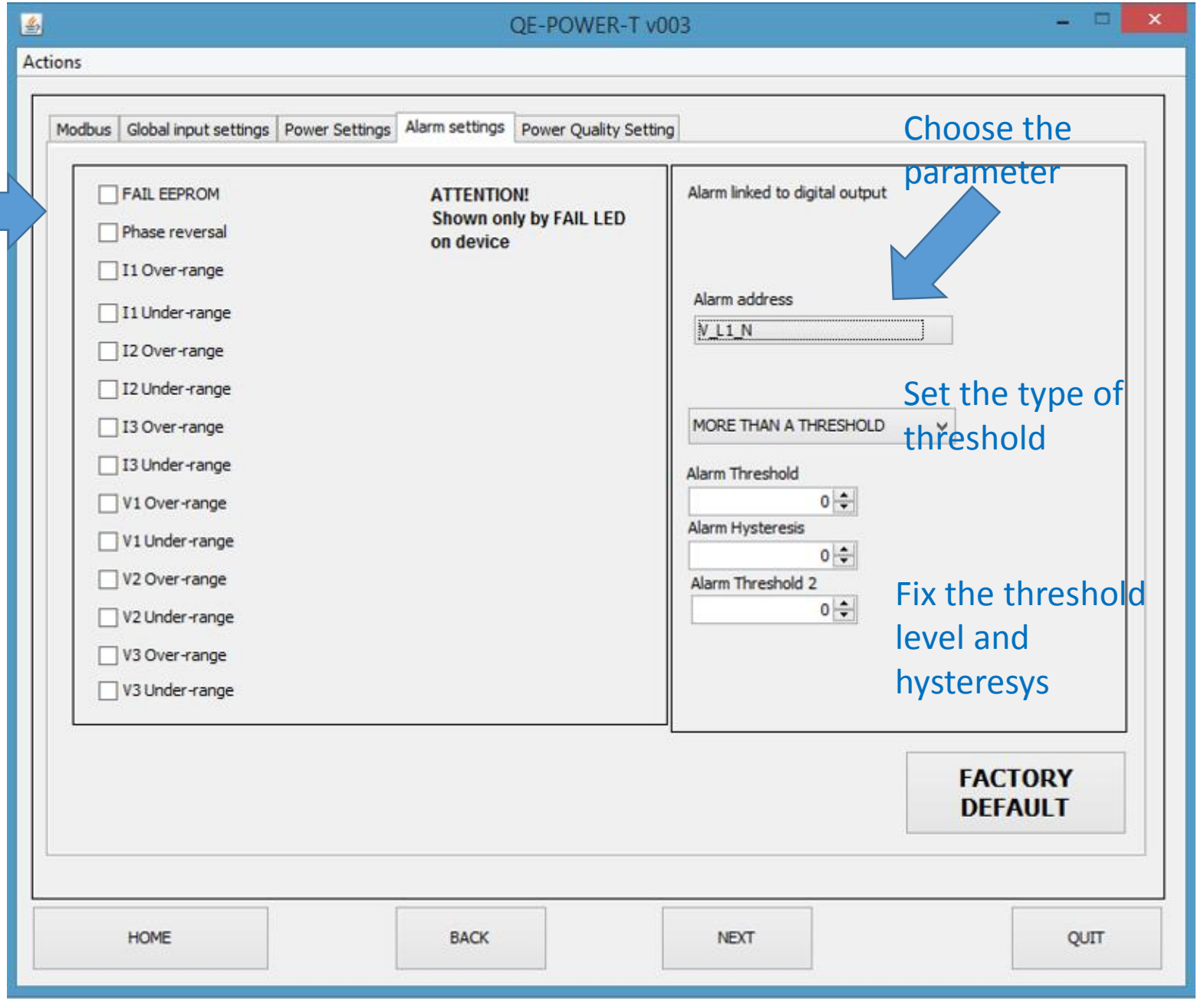
For Voltage secondary:
Amp (primary)/ Volt (secondary)
(E.g. : 100 A /0,333V= 300,3)
Put 300,3

For Rogowski probe use the Sensitivity:
1000 A / 100mV = 10.000
Put 10000



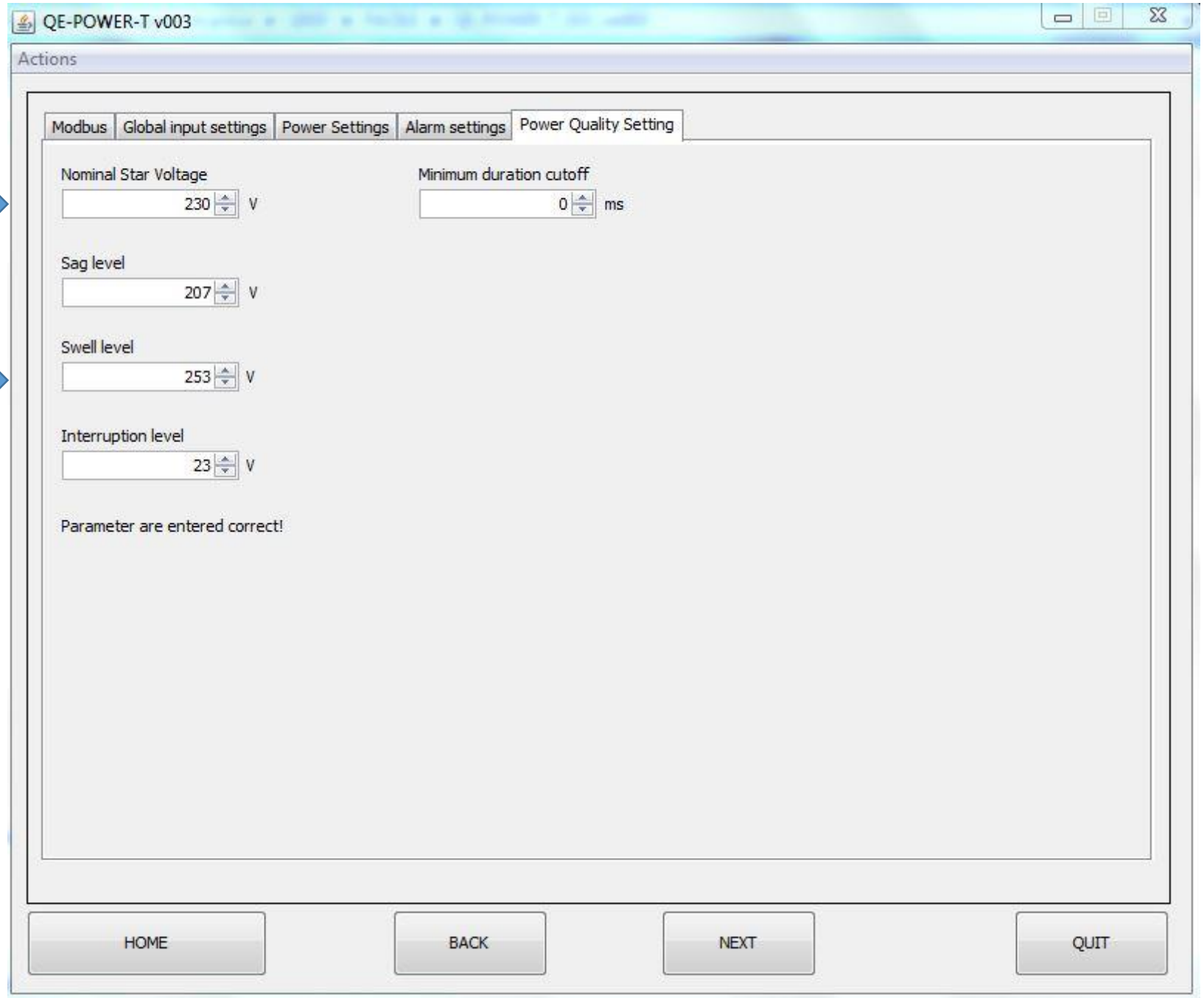
The ALARM SETTINGS page allow you to set the FAIL LED light linked to some specific event.

Please mind that it is only a LED setting. To connect the digital output to the event or threshold you have to set the right side of this page

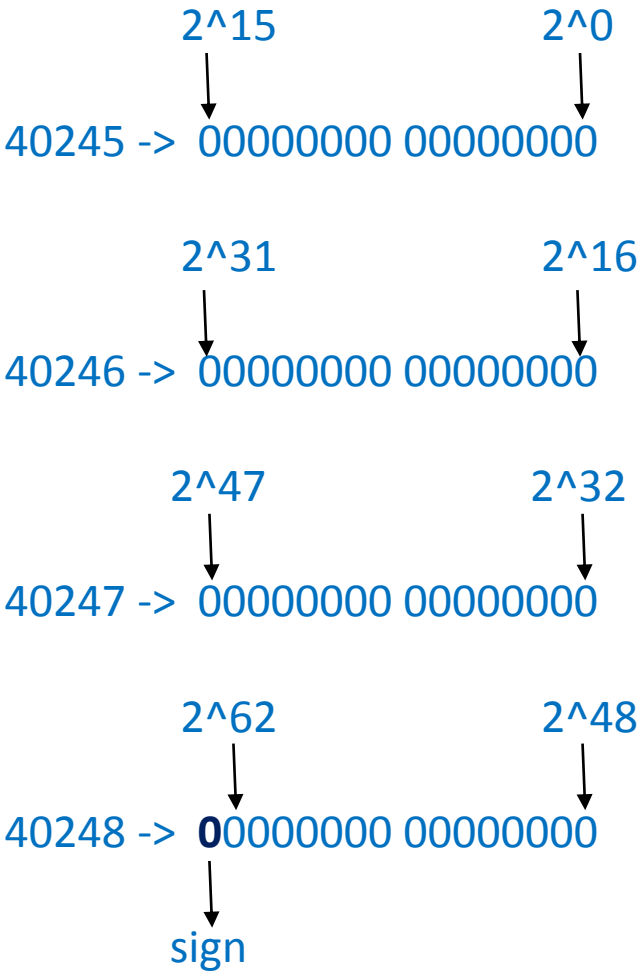


nominal voltage level

set the thresholds SAG, SWELL and INTERRUPTIONS



Energy registers notes :
taking as example the KWh1 totalizer (register 40245) , each one are SIGNED LONG LONG (64 bit)



If the master device can't manage LONG LONG registers is possible manage only the first two register (for each totalizer) as LONG format after to have set the unit factor to KWh (recommended).
Mind that the measure will be without sign and near the maximum value recordable (≈ 4,2 x 10^9) must to be export the value and reset the totalizer.
There isn't the direct reset for the totalizers, to do it, write zero into all of them and save the value writing 0XBABA in 40244 register.