



VEBKO ONLINE HELP

Complementary Explanations of “Device” Section

Category	tester
Section	Modules Toolbar and Statusbar
Language	English
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Before talking about the "AMT-Sequencer" room and its features, because there are items that are related to the "Device Setting" information, it is necessary to provide some additional information about this section. At the left of this page, the general information about the relay is entered. This information includes name of the manufacturer, type of the relay, serial number, installation location etc. As the type of information in this section indicates, this information is used merely as report and does not affect the test or its results. But the information at the right which is partly derived from the relay settings can be used as a reference for determining the voltage and current output of the device.

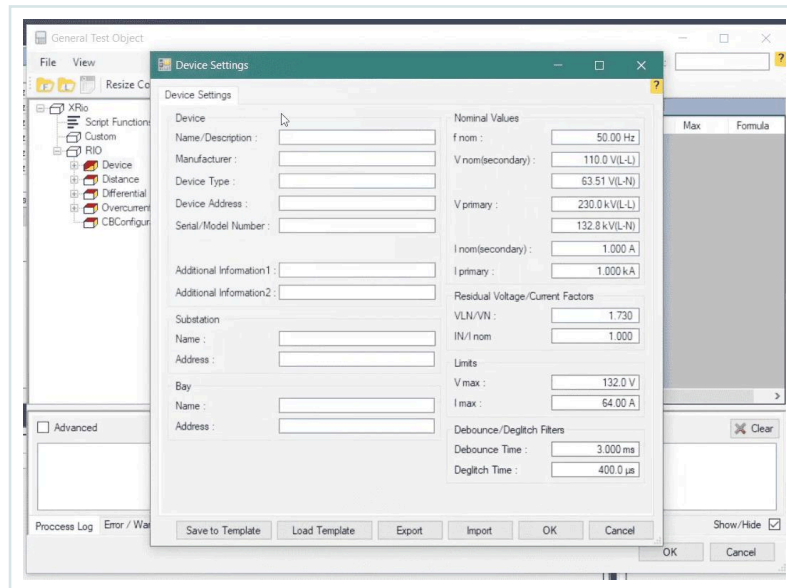


Figure 1

In "Nominal Values" section the information related to nominal frequency and turn ratio of PT and CT are entered. From the information of this section, the PT secondary voltage is known as nominal voltage while the CT secondary voltage is known as nominal current. Note that in "Vprimary" and "Vsecondary" section, it is possible to enter the ratio of transformation in line to line or phase. In "Residual Voltage/Current Factor" section, the coefficients of residual voltage and current for relays where the residual voltage and current are separated from the input voltage and current are mentioned. These coefficients are used to calculate VE and IE. In "Limits" section, the range of maximum output voltage and current of the device are specified and the user can, according to the type of wiring specified in "Hardware Configuration" section, determine the maximum output voltage and current of the device.

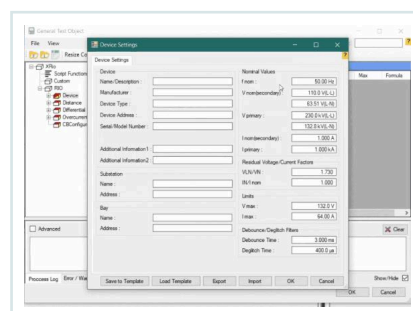
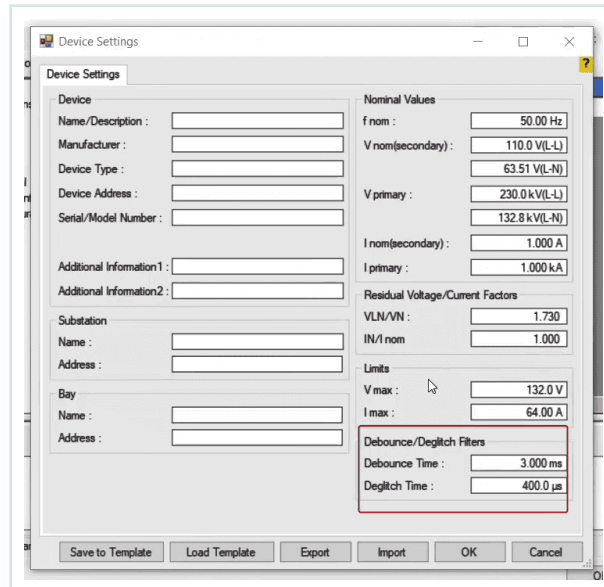


Figure 2

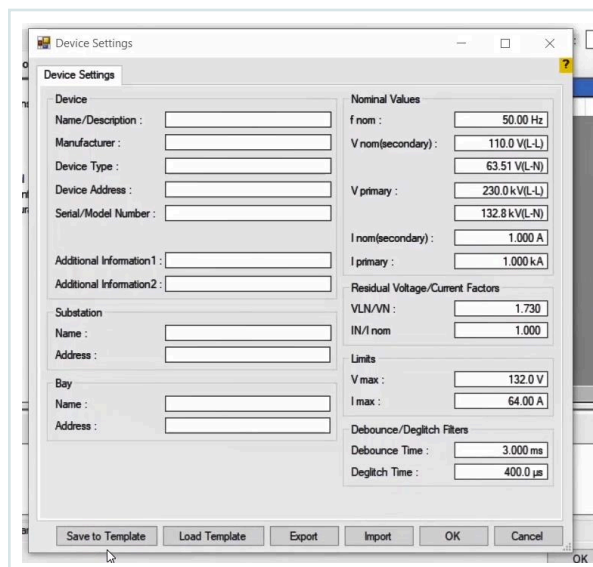
In the "Debounce Time" field In "Debounce/Degitch Filter" section, it is specified that every 3 milliseconds, the device examines the signal transmission from the relay. In "Degitch Time" section, it is specified that the transferred signal from the relay should be retained for 400 microseconds until the reception of signal is detected. Note that both of these values can range from 200 to 1.5 microseconds.



The screenshot shows the 'Device Settings' dialog box. The 'Debounce/Degitch Filters' section is highlighted with a red box. The 'Debounce Time' is set to 3.000 ms and the 'Degitch Time' is set to 400.0 µs. Other sections include 'Device' (Name/Description, Manufacturer, Device Type, Device Address, Serial/Model Number, Additional Information1, Additional Information2), 'Substation' (Name, Address), 'Bay' (Name, Address), 'Nominal Values' (f nom, V nom(secondary), V primary, I nom(secondary), I primary), 'Residual Voltage/Current Factors' (VLN/VN, IN/I nom), and 'Limits' (V max, I max). Buttons at the bottom include 'Save to Template', 'Load Template', 'Export', 'Import', 'OK', and 'Cancel'.

Figure 3

By using "Save to template" option, the information entered in this section is saved in the software as a template and it is possible to load this template by using the "Load Template" option. The "Import" option is used when the user wishes to use the settings of this section on another computer or to be able to recover the settings after cleaning the cache of the software.



This screenshot is identical to Figure 3, showing the 'Device Settings' dialog box with the 'Debounce/Degitch Filters' section highlighted. The 'Debounce Time' is 3.000 ms and the 'Degitch Time' is 400.0 µs. The same fields and buttons are visible as in Figure 3.

Figure 4

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