



VEBKO ONLINE HELP

XRIO Converter Formula Writing

Category	tester
Section	Modules Toolbar and Statusbar
Language	English
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To write the “XRio Converter” file, it is necessary to get familiar with some concepts. To begin, load “XRio Converter” of “7SJ62” relay in “Test Object” window. By clicking on “50” block in the path of “50/51 Overcur”, “Setting Group A” and “Relay Parameter Section” on tree diagram of the “XRio Converter” file, parameters of the “50” block are displayed.

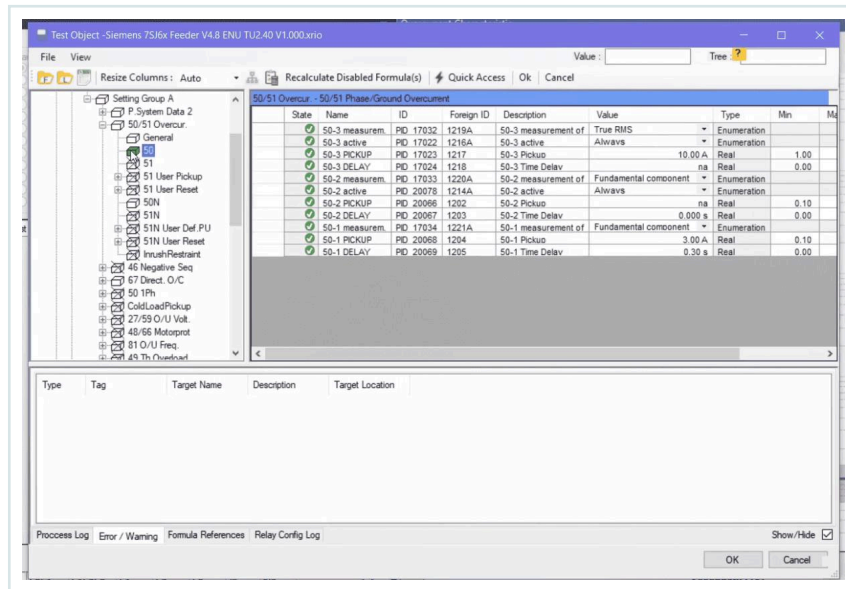


Figure 1

Description of a block's specifications: By double-clicking on “50” block, the “Rio Parameter Viewer” window opens; you can find “ID”, “Name” and “Description” of a block in “General Settings” section. Also, it is possible to specify a “Comment” and “Foreign ID” in every block. In the “Enabled” section you can see whether a block is enabled and if it's dependent on a formula. By clicking on “...” option, “XRio Formula Editor” window opens.

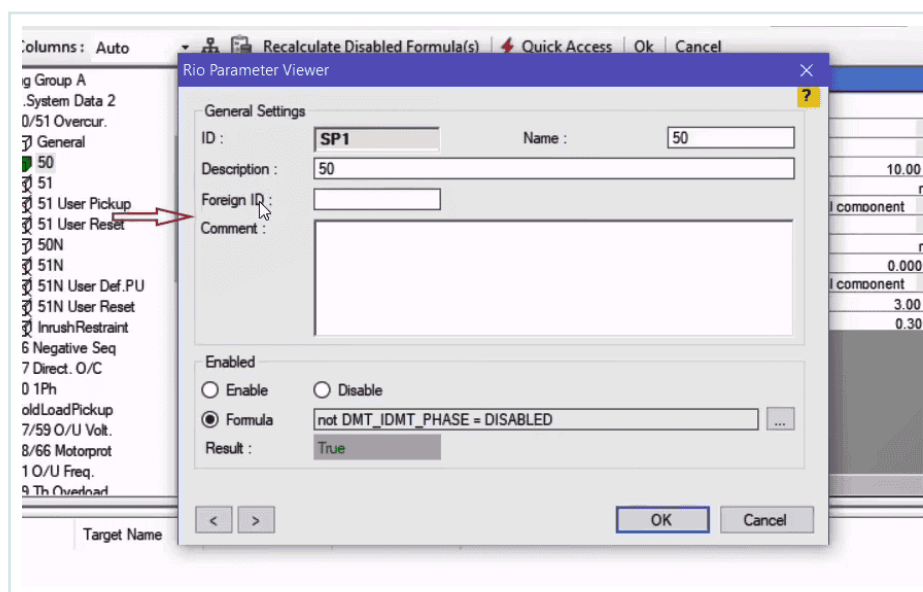


Figure 2

On the right of this window, a formula is written for this block. “References” section includes “Ref. Enums” and “Ref. Params” sections and whether the “50” block is enabled depends on parameters and the “Enumerations” added in this section. To add a parameter, click on “+” option and select a parameter from the “XRio” tree diagram on the “Add Ref. Param” window; its details are displayed in the “Details” section. Details include “Name”, “ID”, “Description”, “Value”, “Data Type”, RefParam Name” and “RefEnum Name”. “Ref Enums” of this parameter are displayed in the form of a tree diagram at the bottom of the page.

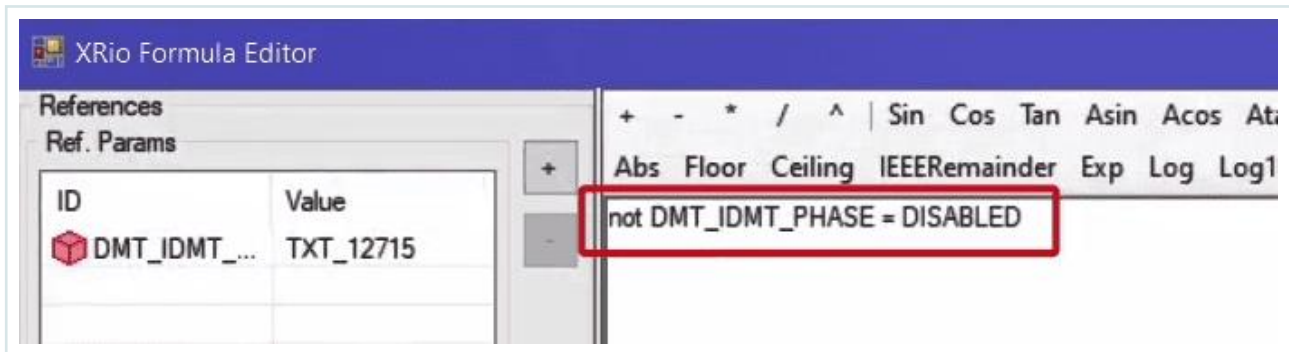


Figure 3

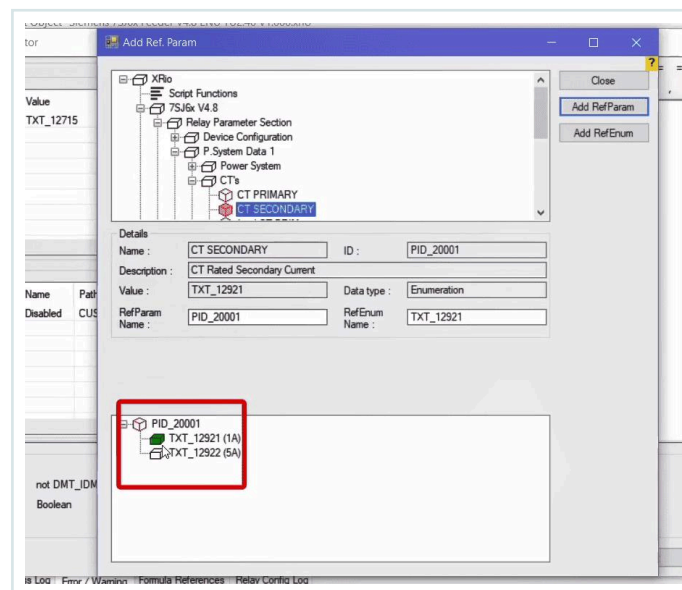


Figure 4

By clicking on “Add RefParam” and “Add RefEnum” options respectively, the selected parameter and its “RefEnum” are added to the “References” section. After adding the parameters to the “References” section, the formula should be entered on the right side by using the “ID” of the added parameters. Also, you can use the toolbar available on this page to write the formula. In the “Result” section, the final formula along with the type of acceptable data and the result of this formula are displayed. After writing the formula, you should click on “Test” option. If the formula is written correctly, a notification “Test was successful” is displayed.

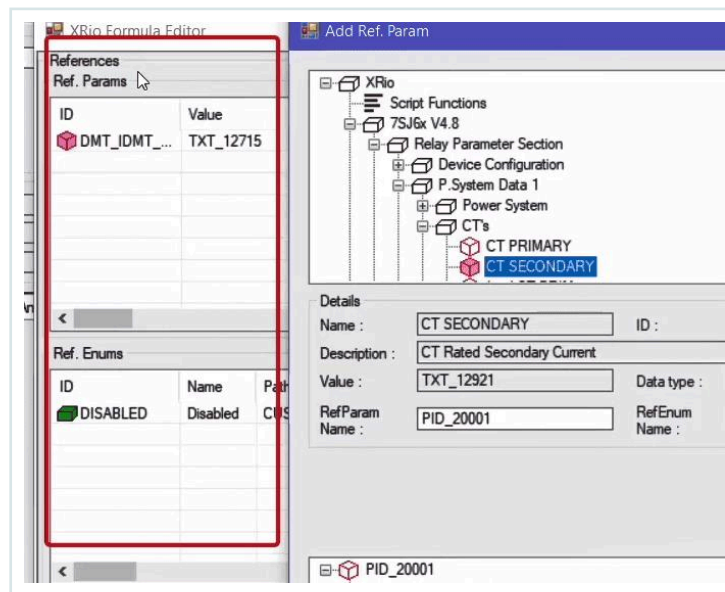


Figure 5

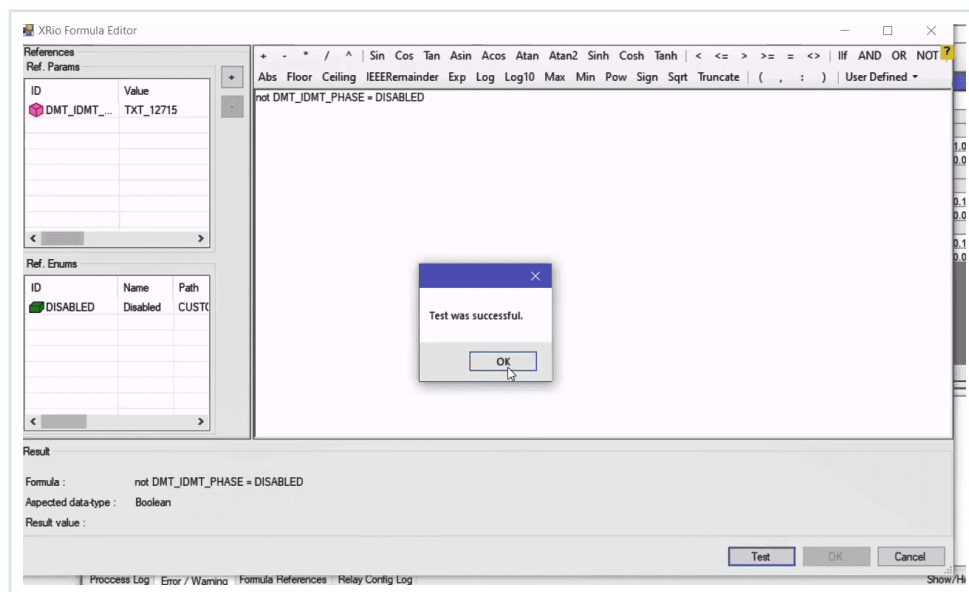


Figure 6

Description of a parameter's specifications: If you double-click on one of the parameters from the "State" column, for example, "50-3 PICKUP" parameter, the "Rio Parameter Viewer" window opens. In the "General Setting" section, just like the "Block" section's description, the same info, such as "Foreign ID" and "ID" are displayed but this time for a parameter. The difference is that this time there are "Value Properties" and "Display Properties" sections as well. In the "Value Properties" section, the value of a parameter, as well as its type and maximum / minimum allowed values are mentioned. Also, it is possible to depend on the value of a parameter on another parameter by using the formula.



Figure 7

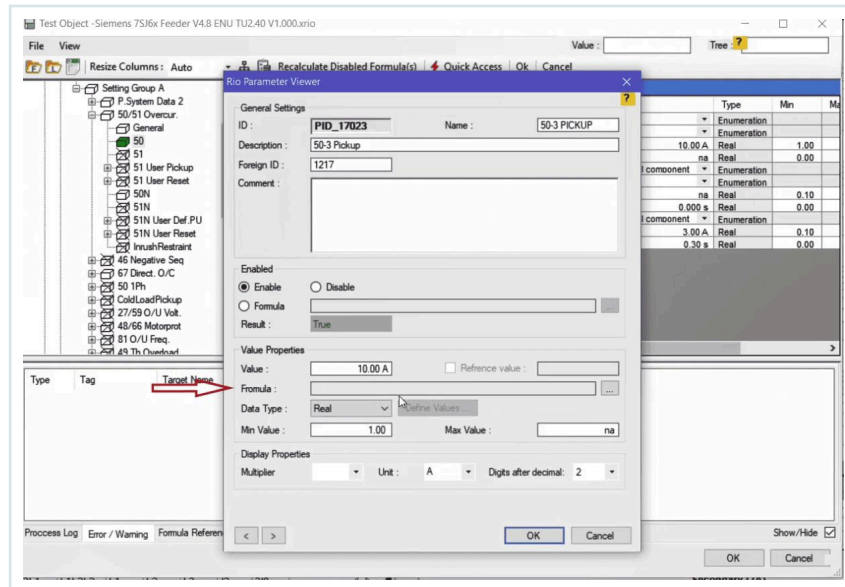


Figure 8

In this case, its formula is displayed in the "Formula" field which is exactly similar to the "Block" section. If the value of a parameter depends on another parameter, its cell is purple. In "Display Properties" section, the settings related to how the value of a parameter is displayed are set. In the "Unit" field, the unit of the parameter and in the "Digits after decimal" field, the number of decimals displayed the "Value" field is specified. In the "Multiplier" field, it is possible to specify a coefficient for unit of the parameters. For example, if unit A is specified, by selecting coefficient K, this parameter is displayed in kilo amperes.

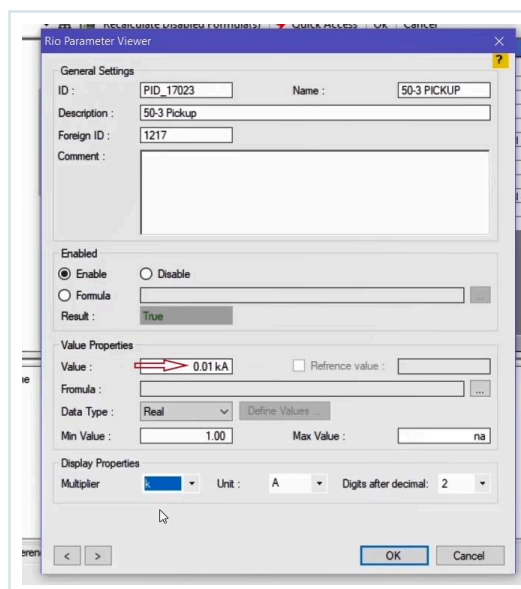


Figure 9



[jg1]Writing_formula_for_the_XRio_Converter1