



VEBKO ONLINE HELP

“Settings” Tab of “Overcurrent” Module, Part 1

Category	tester
Section	AMT Overcurrent Module
Language	English
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To continue with explaining "Overcurrent" room, in this video we are going to explain "Setting" tab. In this tab, you can adjust some of the test settings. In "Fault Inception" section, the angle in which the fault occurs is specified. But this angle is not the angle between current and voltage but it equally shifts the current and voltage values. To better understand this, select "Signal View" from the toolbar and check "Voltage Group A" in "Setting". Then, by changing the "Angle" value, you can see the current and voltage signals. Note that to determine the angle between current and voltage, you need to use the "Angle" field in "Shot test" tab.

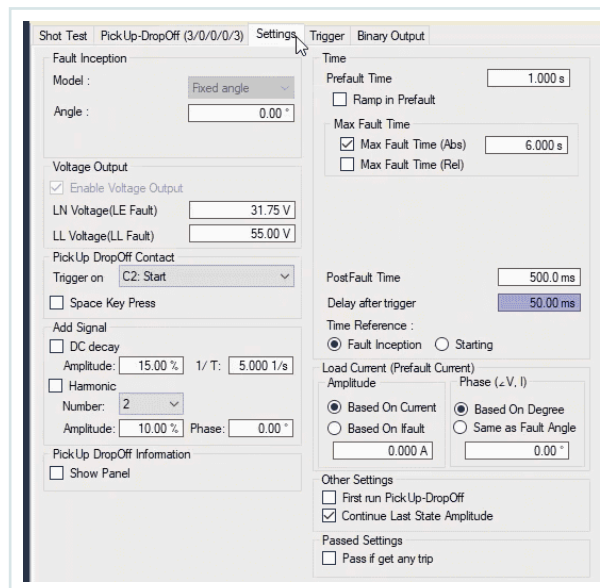


Figure 1

"Voltage Output" is used in "Directional" tests but if, for any reason, you wish to activate your voltages in a "Non-Directional" test and see the influence of changing voltages on "Overcurrent" test, you can use this section.

In "Trigger On" field in "Pick up Drop off Contact" section you can determine the "Contact" to be used for doing "Pick up Drop Off" test. This option is used in cases where the relay does not have "Pick up" contact. In these relays, by reducing the trip time to zero, it is possible to find the approximate pickup current.

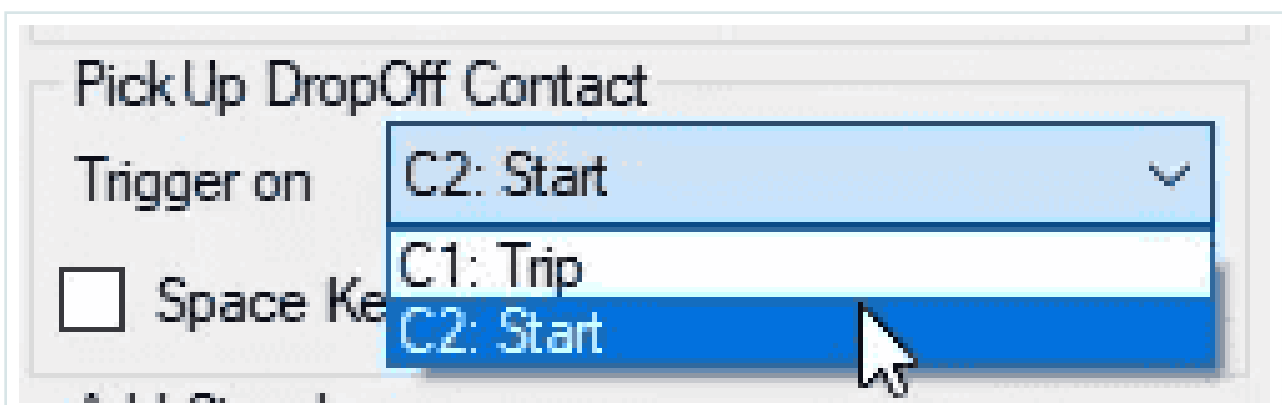


Figure 2

But if you do not wish to change the relay settings, if the relay has "LED" or "Flag" pickup, you can manually issue a "Pick Up" or "Drop Off" command by checking "Space Key Press". You can perform the test by pressing the "Space" button once at the time of "Pick up" and once at the time of "Drop Off".

If you wish to create a transient state for the current waveform in "Add Signal" and test the transient state "Overcurrent", you can do so by checking "Dc decay" (decaying Dc) and specifying the "Amplitude" value in terms of percent and time coefficient in "1/T" and then you can view the changes resulted in the waveform in "Signal View". Now, if you wish to add "Harmonic" to the transient state, you can do so by checking "Harmonic" and specifying the order of the "Harmonic" in "Number" field and specifying the "Amplitude" in terms of percent and phase angle. Note that by unchecking the options in this section, the signal returns to "Normal" state.

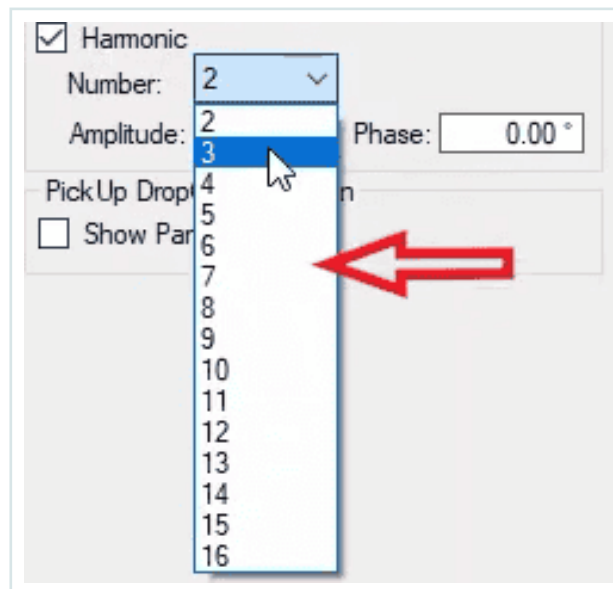


Figure 3

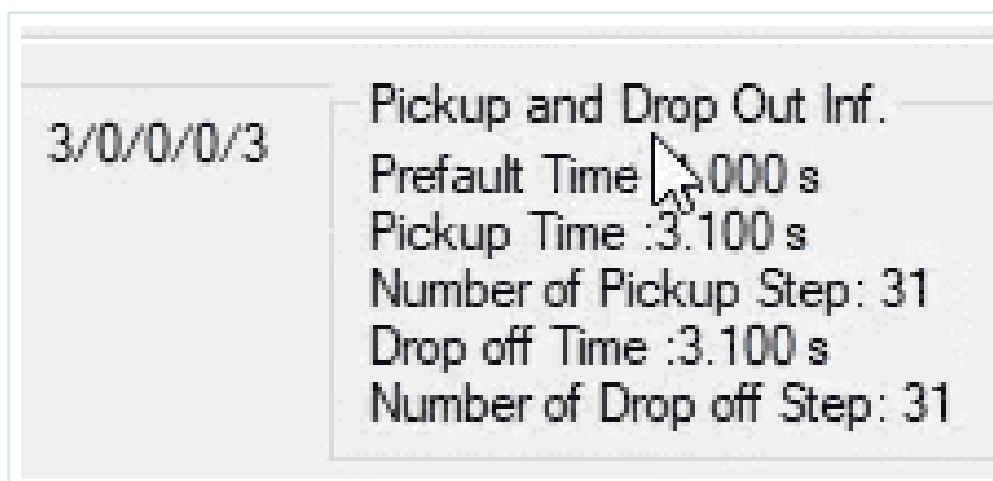


Figure 4

[jg1]Overcurrent_room_settings_Part1