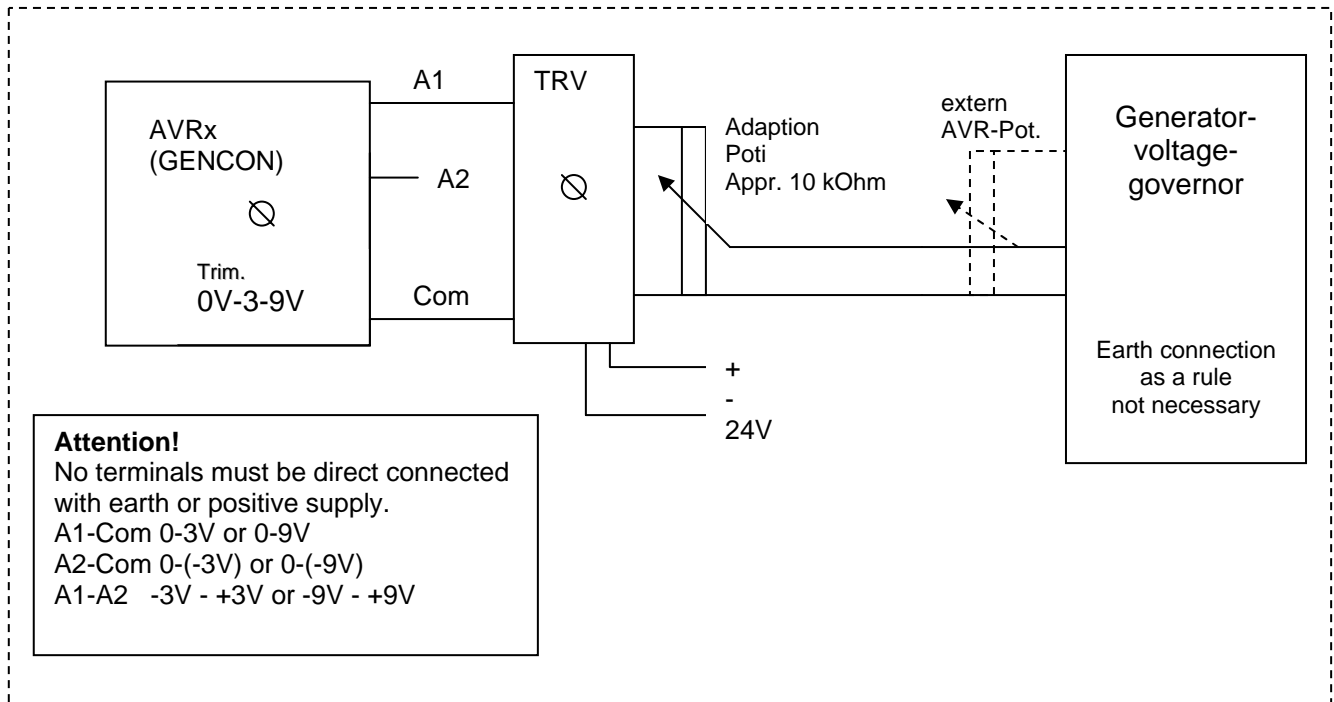


Adaptation for different types of Generator Speed Governors to GENCON II PRO by means of TRV100-G014 buffer amplifier



Practical Adjusting Instruction

(Please work with care)

- 1) GENCON and dieselmotor must be switch on to run. No voltage to be connected to the input terminal V4 (A41/A42) of the GENCON. Control cable for generator switch and mains power switch must be deleted on terminals K7 and K8 on the relay circuit board.
- 2) Output voltage of generator to be adjust with extern potentiometer of voltage governor to 231 / 400V. During this adjustment a look to the output generator voltage is necessary to say if the voltage rises by down going tap of potentiometer to ground contact. This is the right direction. In the other way the Parameter *Sygain%P/V* in menu *Set up->Prog Wert* must be inverted. The buffer amplifier TRV100-G014 now to be supply with 24V battery voltage and his input to be connected with A1 and Com of the AVRx. Output of TRV to be connected to a potentiometer P1.

At about middle adjustment of the potentiometer P4 of AVRx and when necessary a adjustment of amplifiing of buffer amplifier P2 the former measured generator voltage 231V must now be set with potentiometer P1.

- 3) The output of P1 must be connected with the input of generator voltage governor under notice of the right polarity.
- 4) Generator voltage to be adjust with P1 and with P4 when necessary.
- 5) Flat plug must pull from terminal B32 of GENCON, now the generator voltage must drop about 10%. With P2 this difference to be adjust.
Cables from B32 and B33 to be connected short times, so the generator voltage must rise about 10%. In fact negative direction the parameter Sygain%P/V to be inverted, see 2.).
- 6) Connecting of mains voltage to V4 (tabs A41/A42) of GENCON to be made.
- 7) The synchronizing function of GENCON is now activated. Displaying will be shown by button 6. Voltage difference of generator and mains should be run to 0.
With button 7 control of PWMout will be shown. This value should be around 45% – 55%.
Small deviations could be adjust by P4 on AVRx.

If you have any other questions, we are always ready to give approbiate answer.