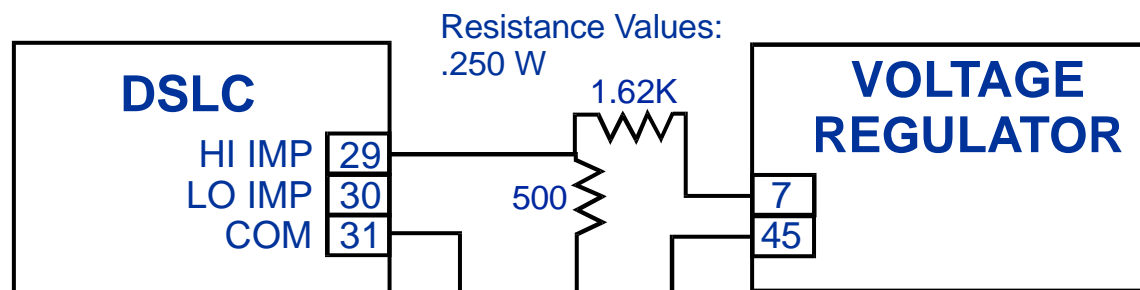


DSLCL Voltage Bias Output Wiring For Caterpillar DVR Voltage Regulators



Initial Settings:

Menu 6, Item 5

Voltage Bias Output 0.0 Vdc

Menu 4, Item 2

VAR/PF Gain 0.5

Note: Use Defaults for all other initial settings.

Adjustment Procedure:

- 1 Measure 0.0 Vdc bias output across terminals 29(+) and 31(common) of the DSLCL prior to connections to DVR regulator.
- 2 Once Connected, measure 2 Vdc across DVR terminals 7 and 45.
- 3 The DVR takes a 0 to 4 Vdc input to change the voltage reference +/- 10%, with 2 Vdc serving as the zero bias point.
- 4 Connect DSLCL to DVR as shown.
- 5 Set DVR operating voltage to operating voltage of the generator.
- 6 Start engine and monitor generator voltage.
- 6 Adjust voltage bias in menu 6, item 5 as needed to obtain desired operating voltage.

Note:

This drawing is to be used in conjunction with the DSLCL manual, number 02007. To Prevent injury and/or property damage, personnel using this drawing must be knowledgeable of the system and aware of appropriate safety and wiring practices. The information contained on this drawing is believed to be correct. However, Woodward Governor Company makes no representation, and takes no responsibility, for the accuracy of any information provided by others, or any interface wiring which is part of the original system, or equipment modifications or additions to the system made at any time by others, whether or not any of these equipment modifications or additions are in this drawing.