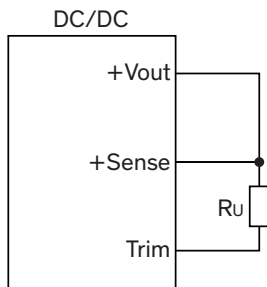


Output Voltage Adjustment

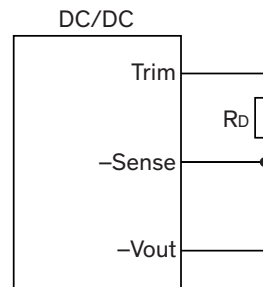
Output voltage is adjustable for 10% trim up or 20% trim down of nominal output voltage by connecting an external resistor between the Trim pin and either the +Sense or -Sense pins. With an external resistor between the Trim and -Sense pin, the output voltage set point decreases. With an external resistor between the Trim and +Sense pin, the output voltage set point increases. Maximum output deviation is +10% inclusive of remote sense. The value of external resistor can be obtained by equation below. The external TRIM resistor needs to be at least 1/8W of rated power.

For trimming up, it must be assured that max. output power is not exceeded.

Connection of trim up resistor



Connection of trim down resistor



Trim up equation

$$R_U = \left(\frac{V_{OUT} \cdot (100 + \Delta\%)}{1.225 \cdot \Delta\%} - \frac{(100 + 2 \cdot \Delta\%)}{\Delta\%} \right) k\Omega$$

Trim down equation

$$R_D = \left(\frac{100}{\Delta\%} - 2 \right) k\Omega$$

For example: Trim up model TEP 100-2411WIR with $\Delta U = 10\%$ and V_{out} nominal = 5 VDC

$$R_U = \frac{V_{OUT} \cdot (100 + \Delta\%)}{1.225 \cdot \Delta\%} - \frac{(100 + 2 \cdot \Delta\%)}{\Delta\%} = \frac{5 \cdot (100 + 10)}{1.225 \cdot 10} - \frac{(100 + 2 \cdot 10)}{10} = 32.9 k\Omega$$