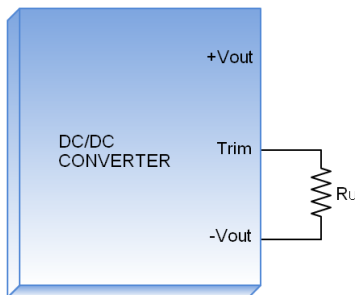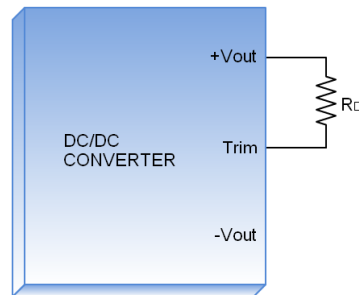## Output Voltage Adjustment

This feature allows increasing and decreasing the output voltage of single output models. This is accomplished by connecting an external resistor between the Trim pin an either the +Vout or -Vout pin. The resulting external Trim resistor is specified in Ohm and needs to be at least 1/16 Watt of rated power.

For trimming up, please assure max. output power is not exceeded.

Connection of trim up resistor

Connection of trim down resistor

Trim up equation

$$R_U = \frac{G \cdot L}{(U_{out,up} - L - K)} - H$$

Trim down equation

$$R_D = \frac{(U_{out,down} - L) \cdot G}{(U_{out,nom} - U_{out,down})} - H$$

Trim constants				
Models	**G**	**H**	**K**	**L**
THN xx-xx10WI	5110	2050	0.8	2.5
THN xx-xx11WI	5110	2050	2.5	2.5
THN xx-xx11WI-A1	5110	2050	2.5	2.5
THN xx-xx12WI	10000	5110	9.5	2.5
THN xx-xx13WI	10000	5110	12.5	2.5
THN xx-xx15WI	56000	13000	21.5	2.5

For example: Trim up model THN 15-2411WI with ΔU = 10 % to output voltage of Uout,up = 5.5 V

$$R_U = \frac{G \cdot L}{(U_{out,up} - L - K)} - H = \frac{5110 \cdot 2.5}{(5.5 - 2.5 - 2.5)} - 2050 = 23500 \, \Omega$$