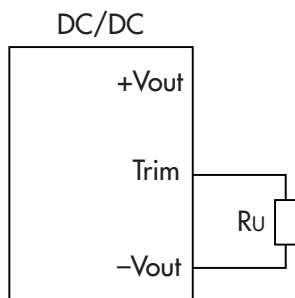


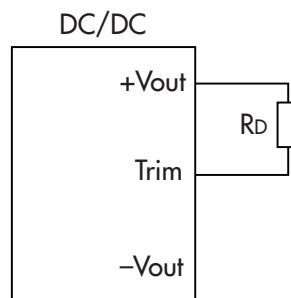
Output Voltage Adjustment

Output voltage set point adjustment allows the user to increase or decrease the output voltage set point of the module. This is accomplished by connecting an external resistor between the Trim pin and either the +Vout or -Vout pins. With an external resistor between the Trim and -Vout pin, the output voltage set point increases. With an external resistor between the Trim and +Vout pin, the output voltage set point decreases. The external TRIM resistor needs to be at least 1/16 W of rated power.

Connection of trim up resistor



Connection of trim down resistor



Trim-Tables for single output converters

THL 15-xx10WI										
Trim-Up										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
Vout [V]	3.333	3.366	3.399	3.432	3.465	3.498	3.531	3.564	3.597	3.630
R_U [kOhm]	60.84	27.40	16.25	10.68	7.34	5.11	3.51	2.32	1.39	0.65
Trim-Down										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
Vout [V]	3.267	3.234	3.201	3.168	3.135	3.102	3.069	3.036	3.003	2.970
R_D [kOhm]	72.61	32.55	19.20	12.52	8.51	5.84	3.94	2.51	1.39	0.50

THL 15-xx11WI										
Trim-Up										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
Vout [V]	5.05	5.10	5.15	5.20	5.25	5.30	5.35	5.40	5.45	5.50
R_U [kOhm]	106.87	47.76	28.06	18.21	12.30	8.36	5.55	3.44	1.79	0.48
Trim-Down										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
Vout [V]	4.95	4.90	4.85	4.80	4.75	4.70	4.65	4.60	4.55	4.50
R_D [kOhm]	138.88	62.41	36.92	24.18	16.53	11.44	7.79	5.06	2.94	1.24

Output Voltage Adjustment

Trim-Tables for single output converters (continued)

THL 15-xx12WI										
Trim-Up										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
V _{out} [V]	12.12	12.24	12.36	12.48	12.60	12.72	12.84	12.96	13.08	13.20
R _u [kOhm]	351.00	157.50	93.00	60.75	41.40	28.50	19.29	12.37	7.00	2.70
Trim-Down										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
V _{out} [V]	11.88	11.76	11.64	11.52	11.40	11.28	11.16	11.04	10.92	10.80
R _d [kOhm]	413.55	184.55	108.22	70.05	47.15	31.88	20.98	12.80	6.44	1.35

THL 15-xx13WI										
Trim-Up										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
V _{out} [V]	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	16.50
R _u [kOhm]	422.77	189.89	112.26	73.44	50.15	34.63	23.54	15.22	8.75	3.58
Trim-Down										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
V _{out} [V]	14.85	14.70	14.55	14.40	14.25	14.10	13.95	13.80	13.65	13.50
R _d [kOhm]	530.73	238.61	141.24	92.56	63.35	43.87	29.96	19.53	11.41	4.92

THL 15-xx15WI										
Trim-Up										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
V _{out} [V]	24.24	24.48	24.72	24.96	25.20	25.44	25.68	25.92	26.16	26.40
R _u [kOhm]	487.14	218.02	128.31	83.46	56.55	38.61	25.79	16.18	8.70	2.72
Trim-Down										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
V _{out} [V]	23.76	23.52	23.28	23.04	22.80	22.56	22.32	22.08	21.84	21.60
R _d [kOhm]	598.66	267.78	157.49	102.34	69.25	47.19	31.44	19.62	10.43	3.08