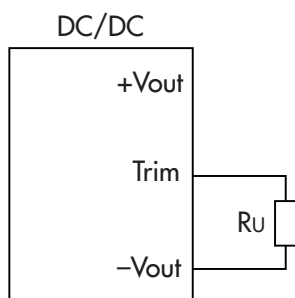


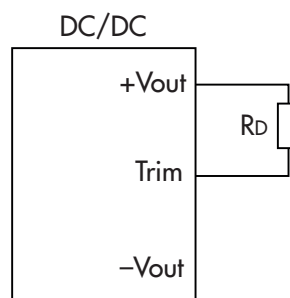
Output Voltage Adjustment

Output voltage set point adjustment allows the user to increase or decrease the output voltage set point of the single output module. This is accomplished by connecting an external resistor between the Trim pin and either the +Vout or -Vout pin. 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.

Connection of trim up resistor



Connection of trim down resistor



Trim-Tables for single output converters

THL 30-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]	60.49	27.14	16.03	10.47	7.14	4.91	3.33	2.14	1.21	0.47
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_p [kOhm]	72.64	32.49	19.10	12.41	8.39	5.72	3.80	2.37	1.25	0.36

THL 30-xx11WI

Trim-Up										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
Vout [V]	5.050	5.100	5.150	5.200	5.250	5.300	5.350	5.400	5.450	5.500
R_u [kOhm]	107.37	48.26	28.56	18.71	12.80	8.86	6.05	3.94	2.29	0.98
Trim-Down										
	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	10 %
Vout [V]	4.950	4.900	4.850	4.800	4.750	4.700	4.650	4.600	4.550	4.500
R_p [kOhm]	139.38	62.91	37.42	24.68	17.03	11.94	8.29	5.56	3.44	1.74

Trim-Tables for single output converters (continued)

THL 30-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 30-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 30-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]	487.13	218.01	128.30	83.45	56.54	38.60	25.78	16.17	8.69	2.71
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]	598.65	267.77	157.48	102.33	69.24	47.18	31.43	19.61	10.42	3.07