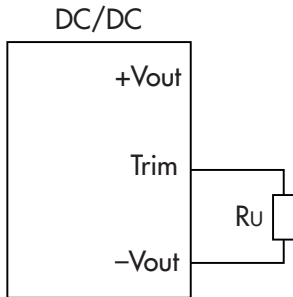


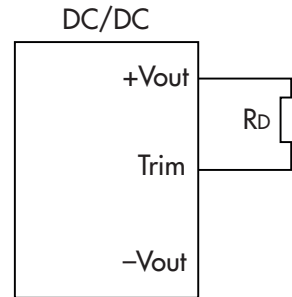
Output Voltage Adjustment

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

TEN 40-xx10WIR										
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]	57.93	26.165	15.577	10.283	7.106	4.988	3.476	2.341	1.459	0.753
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]	69.47	31.235	18.49	12.117	8.294	5.745	3.924	2.559	1.497	0.647

TEN 40-xx11WIR										
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]	36.57	16.58	9.917	6.585	4.586	3.253	2.302	1.588	1.032	0.588
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]	45.533	20.612	12.306	8.152	5.66	3.999	2.812	1.922	1.23	0.676

Output Voltage Adjustment

Trim-Tables for single output converters (continued)

TEN 40-xx12WIR										
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]	367.91	165.95	98.636	64.977	44.782	31.318	21.701	14.488	8.879	4.391
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]	460.99	207.95	123.6	81.423	56.118	39.249	27.199	18.162	11.132	5.509

TEN 40-xx13WIR										
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]	419.81	199.91	126.60	89.95	67.96	53.30	42.83	34.98	28.87	23.98
Trim-Up (continued)										
	11 %	12 %	13 %	14 %	15 %	16 %	17 %	18 %	19 %	20 %
V_{out} [V]	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	18.00
R_U [kOhm]	19.98	16.65	13.83	11.42	9.32	7.49	5.87	4.43	3.15	1.99
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]	284.89	128.68	76.61	50.58	34.96	24.55	17.11	11.53	7.19	3.72

TEN 40-xx15WIR										
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]	1275.2	606.60	383.73	272.30	205.44	160.87	129.03	105.15	86.58	71.72
Trim-Up (continued)										
	11 %	12 %	13 %	14 %	15 %	16 %	17 %	18 %	19 %	20 %
V_{out} [V]	26.64	26.88	27.12	27.36	27.60	27.84	28.08	28.32	28.56	28.80
R_U [kOhm]	59.56	49.43	40.86	33.51	27.15	21.57	16.66	12.29	8.38	4.86
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]	838.15	376.78	222.98	146.09	99.95	69.19	47.22	30.74	17.93	7.68