



### Variable Voltage Transformers



Fig. A



Fig. B



Fig. C

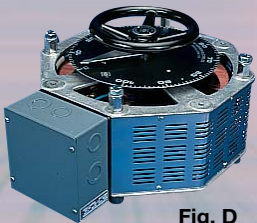


Fig. D



Fig. E



Fig. F

#### Construction Features:

Tempco's Variable Voltage Transformers provide a simple, rugged method of controlling electrical voltage, current and power. They take in utility line voltage and provide continuously adjustable output voltage. A wide range of sizes, drives, enclosures and controls is offered.

Standard fixed ratio transformers have output terminals connected to a particular turn of the coil to provide a given output voltage. Instead of a fixed connection to a particular turn of the coil, Tempco's Variable Transformers utilize a brush riding on a commutator formed as part of the transformer turns. The user can select any output turn ratio and thereby vary the output voltage. Because they are autotransformers, one winding acts as both the primary and secondary coil of the transformer.

Fig.	Volts	Output Amps	Output KVA	Size (in) H x W x D	Weight (lbs.)	Cross Reference		TEMPCO Part Number
						Superior	Staco	
<b>120 Volt Panel or Bench Mounting Model</b>								
A	0-120/132	2.25	0.30	3 $\frac{3}{8}$ x 2 $\frac{13}{16}$ x 3	3	10C	291	VTV00001
B	0-120/140	5	0.70	4 $\frac{13}{16}$ x 3 $\frac{3}{4}$ x 4 $\frac{9}{16}$	6	21	501	VTV00002
B	0-120/140	10	1.40	6 $\frac{1}{8}$ x 5 x 5 $\frac{13}{16}$	12	116CU	1010	VTV00003
C	0-120/140	10	1.40	7 $\frac{1}{16}$ x 5 x 5 $\frac{5}{8}$	12	116CT	1010CT	VTV00004
E	0-120/140	15	2.10	8 $\frac{1}{8}$ x 6 $\frac{1}{16}$ x 5 $\frac{3}{8}$	18	126T	1510CT	VTV00005
E	0-120/140	22	3.10	10 $\frac{1}{16}$ x 7 $\frac{3}{4}$ x 6 $\frac{1}{8}$	26	136BT	2510CT	VTV00006
D	0-120/140	50	6.20	17 x 13 $\frac{3}{8}$ x 9 $\frac{1}{2}$	82	1156DT	5010CT	VTV00007
<b>240 Volt Panel or Bench Mounting Model</b>								
B	0-240/280	3.5	0.98	6 $\frac{1}{8}$ x 5 x 5 $\frac{13}{16}$	12	216CU	1020	VTV00008
C	0-240/280	3.5	0.98	7 $\frac{1}{16}$ x 5 x 5 $\frac{5}{8}$	12	216CT	1020CT	VTV00009
E	0-240/280	7.5	2.10	8 $\frac{1}{8}$ x 6 $\frac{1}{16}$ x 5 $\frac{3}{8}$	18	226T	1520CT	VTV00010
E	0-240/280	10	2.80	10 $\frac{1}{16}$ x 7 $\frac{3}{4}$ x 6 $\frac{1}{8}$	26	236BT	2520CT	VTV00011
D	0-240/280	28	7.80	17 x 13 $\frac{3}{8}$ x 9 $\frac{1}{2}$	82	1256DT	5020CT	VTV00012
D	0-240/280	35	9.80	17 x 13 $\frac{3}{8}$ x 9 $\frac{1}{2}$	82	1296DT	6020CT	VTV00013
<b>120 Volt Portable Model (Includes cord and matching receptacle)</b>								
F	0-120/140	10	1.40	6 $\frac{1}{8}$ x 5 x 5 $\frac{13}{16}$	12	3PN116C	3PN1010	VTV00014
F	0-120/140	22	3.10	10 $\frac{1}{16}$ x 7 $\frac{3}{4}$ x 6 $\frac{1}{8}$	26	3PN136B	3PN2210	VTV00015
<b>240 Volt Portable Model (Includes cord and matching receptacle)</b>								
F	0-240/280	3.5	0.98	7 $\frac{1}{16}$ x 5 x 5 $\frac{5}{8}$	12	3PN216C	3PN1020	VTV00016
F	0-240/280	7.5	2.10	8 $\frac{1}{8}$ x 6 $\frac{1}{16}$ x 5 $\frac{3}{8}$	18	3PN226	3PN1520	VTV00017
F	0-240/280	10	2.80	10 $\frac{1}{16}$ x 7 $\frac{3}{4}$ x 6 $\frac{1}{8}$	26	3PN236B	3PN2520	VTV00018



**Note:** Photographs of the corresponding figures show general characteristics only and may vary from model to model.

#### Ordering Information

Choose the **Part Number** of the Variable Voltage Transformer that matches your requirements for voltage, amperage, and phase.

**Standard lead time is stock to 3 weeks.**

Make certain that the construction type matches your application needs as some units have an open construction that can only be used in panel mounting applications – see the pictures on the left to identify the construction.

*Other models are available; consult Tempco.*