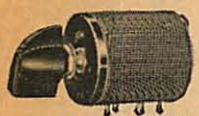
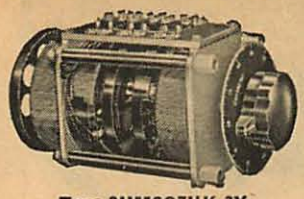
Superior Electric Powerstats®

400/800 CYCLE SINGLE AND 3-PHASE STANDARD POWERSTAT® VARIABLE TRANSFORMERS



Type 1RHS03UK



Type 2HMS07UK-3Y

"Powerstat" variable transformers are now available in several standard series for high frequency aircraft, marine, missile and industrial applications. Single and three phase, 400/800 cycle, manual and motor-driven air-cooled models are offered for 28, 120, 240, and 480 volt service in ratings from 56 VA to 8.7 KVA. Of rugged, compact construction, assemblies perform same task as conventional 60 cycle units, but weigh only ¼ as much and occupy only ¼ the cubic space. Engineered to operate in −55° to +40° C ambient at full rated load (reducing to +80° C); altitudes to 50,000 feet; up to 95% relative humidity; vibration, shock and inclination per MIL-T-17113; corrosion resistance per QQM-151-A and other applicable military specifications. All manual units are knob operated but screwdriver slot method of turning may be ordered for types HS and HMS single phase units. All types HL and HMS units are available as motorized assemblies. Motor-driven types are available with either a 28 v. DC or a 120 v., 400 cycle AC motor with a standard speed of 60 seconds for full range travel.

FOR 28, 120 AND 240-VOLT SINGLE PHASE

Superior Number	Line Volts	Output Volts	Output Max. Amps	Output Max. KVA	Approx. Shpg. Wt., Lbs.	Price Each
3HSO2UK	28	0–28	2.0	.056	0.9	$ 20.00
*3HSO2CK**	28	0–28	2.0	.056	0.9	22.00
3HSO4UK	28	0–28	4.0	.112	1.2	22.00
3HSO4CK*	28	0–28	4.0	.112	1.2	24.00
1HSO1UK	120	0–140#	1.0	.14	1.3	14.50
1HSO1CK*	120	0–140#	1.0	.14	1.4	20.00
1RHSO3UK	120	0–28	2.6	.073	1.0	34.00
1HMSO3UK	120	0–140#	3.0	.42	2.8	15.50
1HMSO7UK	120	0–140#	7.5	1.0	3.8	20.00
1HMDO7UK	120	0–140#	7.5	1.0	4.2	20.00
1HMDO7CK*	120	0–140#	7.5	1.0	4.7	22.00
1HL15UK	120	0–140#	15.0	2.1	14.0	50.00
2HMSO3UK	240	0–280#	3.0	.84	3.8	22.50
2HMDO3UK	240	0–280#	3.0	.84	4.2	22.50
2HMDO3CK*	240	0–280#	3.0	.84	4.7	24.50
2HLO9UK	240	0–280#	9.0	2.5	15.4	50.00

FOR 240 AND 480-VOLT THREE-PHASE

2HMSO3UK-3Y	240	0–280#	3.0	1.5	8.5	$ 49.50
2HMSO7UK-3Y	240	0–280#	7.5	3.6	11.6	67.00
2HL15UK-3Y	240	0–280#	15.0	7.3	41.0	140.00
4HMSO3UK-3Y	480	0–560#	3.0	2.9	11.6	74.50
4HLO9UK-3Y	480	0–560#	9.0	8.7	45.5	140.00

*Enclosed construction. All others are open construction. #Supplied with terminals for limiting maximum output voltage to line voltage, if desired.

Type 21-40

40-VOLT POWERSTATS®

Meet the high current, low voltage requirements of low voltage power supplies and a wide range of transistor circuit applications. All types are open construction. Individual units in ganged assemblies have the same electrical ratings as single units of the corresponding type number.

SINGLE PHASE

Superior Number	Line Volts	Freq. Cps	Output Volts	Output Max. Amps	Output Max. KVA	Price Each Manual	Price Each Motor* Driven
10B-40	40	60	0–40	6	.24	$11.00	.....
10B-40-2†	40	60	0–40	6	.24	33.00	.....
10B-40-3†	40	60	0–40	6	.24	50.00	.....
21-40	40	60	0–40	15	.6	16.00	$104.00
21-40-2†	40	60	0–40	15	.6	43.00	131.00
21-40-3†	40	60	0–40	15	.6	64.00	152.00
116U-40	40	60	0–40	25	1.0	23.00	111.00
116U-40-2†	40	60	0–40	25	1.0	56.00	144.00
116U-40-3†	40	60	0–40	25	1.0	84.00	172.00

*Add type number prefix for full range travel motor speed desired: **5M** for 5 sec.; **15M** for 15 sec.; **30M** for 30 sec.; **60M** for 60 sec. (for example, **15M**21-40). †Ratings given apply separately to each unit in assembly.

DOUBLE WOUND POWERSTAT® VARIABLE TRANSFORMER WITH ISOLATED SECONDARY

Type LW136

POWERSTAT type LW136 is a double wound assembly with an isolated secondary. Any single unit can be connected for either 120 volt or 240 volt, 50/60 cycle input and can be used as a source of 0-30 volts isolated output; either a 120 volt or 240 volt line corrector; or either a 120 or 240 volt limited range "buck-boost" variable transformer. Any three phase, three gang unit can be connected for either 240 or 480 volt, 60 cycle input and can be used as a source of 0-60 volts isolated output; either a 240 or 480 volt line corrector; or either a 240 or 480 volt limited range "buck-boost" variable transformer. Gray enamel finish for either panel or general utility mounting. When ordering (*) motor driven assemblies prefix type number with desired speed of either 5, 15, 30 or 60 seconds for full range travel and letters MC. Any of the ratings given below are possible simply by using the proper terminal connections. These are only a few of the many ratings that can be obtained. Data sheet on request.

FOR 50/60 CYCLE SINGLE PHASE

Superior No.	Line Volts	Output Volts	Output Max. Amps	Output Max. KVA	Price Each Manual	Price Each Motor* Driven
	120	0–30	25	.75		
	120	15–0–15	35	.52		
	240	0–30	25	.75		
LW136	240	15–0–15	35	.52	$77.00	$215.00
	120	105–135	35	4.7		
	107–137	120	35	4.2		
	240	225–255	35	8.9		
	226–256	240	35	8.4		

FOR 60 CYCLE THREE-PHASE

	240	210–270	35	16.4		
LW136-3	214–260	240	35	14.6	$253.00	$391.00
	480	450–510	35	31.0		
	452–512	480	35	29.1		

EN TYPE POWERSTATS®

Type EN116

Wide application and mounting flexibility. Housed in lightweight, functional aluminum enclosures that permit easy installation, wiring and servicing. Single units and ganged assemblies available for 120, 240 and 480 volt, single and three phase service with loads up to 5.2 KVA. Data sheet on request. Single units below size: 5¾" w. x 6" d. x 6 13/16" h. Shipping Weight, 15 lbs.

FOR SINGLE PHASE SERVICE

Super. Type	Input Volts	Input Freq.	Output Volts	Output Amps	Output KVA	Price Each
EN116	120	50/60	0-140	6.5	.91	$25.00
EN117	120	60	0-120	8.5*	1.5*	25.00
EN216	240	50/60	0-280	2.6	.73	30.00
EN217	240	60	0-240	3.5*	1.3*	31.00

*Current is maximum for constant-current load; KVA is maximum for constant-impedance load.

VOLTBOX® AC POWER SUPPLY

UC1M

Handy instrument for laboratory, inspection department and the plant that eliminates nuisance of collecting variable AC voltage testing elements. Included in gray cast aluminum case are a **"Powerstat"**, direct reading voltmeter, 3 output receptacles, 2 Superior 5-Way binding posts, "on-off" switch, line-load meter switch, renewable fuse and a six foot cord and plug.

Type UC1M—Input: 120 volts, 50/60 cycles, single phase AC. Output: 0-140 volts, 7.5 amps, 1000 VA. Weight, 13 lbs. Price Each..... $72.00

Type UC2M—Input: 240 volt, 50/60 cycles, single phase AC. Output: 0-280 volts, 3.0 amps, 840 VA. Weight, 13 lbs. Price Each..... $77.00

Superior Electric Powerstats®

STANDARD POWERSTAT® VARIABLE TRANSFORMERS

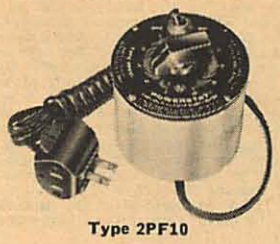
POWERSTAT® Variable Transformers are auto-transformers of toroidal core design, with a movable brush-tap which rotates to deliver a continuously-adjustable output voltage from AC power lines. Into each "Powerstat" are incorporated superior qualities of top electrical performance, rugged mechanical construction, compact design and durability. "Powerstats" feature zero waveform distortion, excellent regulation, conservative ratings, standard mountings, smooth control and high efficiency. Manual and motor-driven types available in ratings from 132 VA to 217 KVA. Complete line of standard explosion-proof and oil-cooled models offered in numerous capacities. For complete technical data request "Powerstat" Catalog P363G.

SINGLE PHASE

Seco†† No.	Line Volt.	Freq.	Output Volt.	Output Max. Amps	Output Max. KVA	Price Each Manual	Price Each Motor* Driven
2PF10	120	60	0–132	1.0	.13	$ 18.00	.....
10B	120	60**	0–132#	1.75	.23	9.00	.....
21	120	50/60	0–140#	3.75	.53	14.00	$ 102.00
116U	120	50/60	0–140#	7.5	1.0	20.00	108.00
116	120	50/60	0–140#	7.5	1.0	26.00	118.00
3PF116	120	50/60	0–140	7.5	1.0	33.00	.....
3TF116	120	50/60	0–140	7.5	1.0	33.00	.....
3PN116	120	50/60	0–140	7.5	1.0	30.00	.....
117T	120	60	0–120	10.0	1.6	25.00	118.00
126U	120	50/60	0–140#	12.5	1.8	34.00	150.00
126	120	50/60	0–140#	12.5	1.8	39.00	160.00
2PF126§	120	50/60	0–140#	12.5	1.8	48.00	.....
136	120	50/60	0–140#	20.0	2.8	55.00	193.00
2PF136§	120	50/60	0–140#	20.0	2.8	72.00	.....
136-2††	120	50/60	0–140#	40.0	5.6	129.00	266.00
1156D	120	50/60	0–140	45.0	6.3	130.00	267.00
1156D-2P	120	50/60	0–140	90.0	12.6	296.00	433.00
1156D-3P	120	50/60	0–140	135.0	18.9	460.00	597.00
1156D-4P	120	50/60	0–140	180.0	25.2	674.00	812.00‡
1156D-6P	120	50/60	0–140	270.0	37.8	1117.00	1254.00‡
10B-2	240	60**	0–264#	1.75	.46	28.00	.....
216U	240†	50/60	0–280#	3.0	.84	22.00	110.00
216	240†	50/60	0–280#	3.0	.84	29.00	120.00
3PF216	240	50/60	0–280	3.0	.84	36.00	.....
3TF216	240	50/60	0–280	3.0	.84	36.00	.....
3PN216	240	50/60	0–280	3.0	.84	33.00	.....
217T	240	60	0–240	4.0	1.5	28.00	121.00
226U	240†	50/60	0–280#	6.0	1.7	34.00	150.00
226	240†	50/60	0–280#	6.0	1.7	39.00	160.00
2PF226§	240†	50/60	0–280#	6.0	1.7	48.00	.....
116U-2	240	50/60	0–280#	7.5	2.1	49.00	137.00
116T-2	240	50/60	0–280#	7.5	2.1	59.00	153.00
236	240†	50/60	0–280#	9.0	2.5	55.00	193.00
2PF236§	240†	50/60	0–280#	9.0	2.5	72.00	.....
117T-2	240	60	0–240	10.0	3.1	61.00	154.00
126U-2	240	50/60	0–280#	12.5	3.5	79.00	195.00
126-2	240	50/60	0–280#	12.5	3.5	88.00	209.00
136-2	240	50/60	0–280#	20.0	5.6	129.00	266.00
1256D	240†	50/60	0–280	28.0	7.8	130.00	267.00
1156D-2S	240	50/60	0–280	45.0	12.6	287.00	425.00
1256D-2P	240†	50/60	0–280	56.0	15.7	296.00	433.00
1256D-3P	240†	50/60	0–280	84.0	23.5	460.00	597.00
1156D4PS	240	50/60	0–280	90.0	25.2	657.00	794.00‡
1256D-4P	240†	50/60	0–280	112.0	31.4	674.00	812.00‡
1156D6PS	240†	50/60	0–280	135.0	37.8	1117.00	1254.00‡
1256D-6P	240	50/60	0–280	168.0	47.0	1117.00	1254.00‡
216U-2	480†	50/60	0–560#	3.0	1.7	54.00	142.00
216T-2	480†	50/60	0–560#	3.0	1.7	64.00	157.00
217T-2	480	60	0–480	4.0	3.0	66.00	160.00
226U-2	480†	50/60	0–560#	6.0	3.4	79.00	195.00
226-2	480†	50/60	0–560#	6.0	3.4	88.00	209.00
236-2	480†	50/60	0–560#	9.0	5.0	129.00	266.00
1256D-2S	480†	50/60	0–560	28.0	15.7	287.00	425.00
1256D4PS	480†	50/60	0–560	56.0	31.4	657.00	794.00‡
1256D6PS	480†	50/60	0–560	84.0	47.0	1117.00	1254.00‡

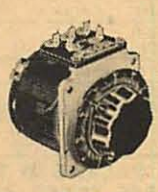
THREE PHASE

10B-2	120	60**	0–132#	1.75	.40	$ 28.00	.....
21-2	120	50/60	0–140#	3.75	.91	41.00	$ 129.00
116U-2	120	50/60	0–140#	7.5	1.8	49.00	137.00
116T-2	120	50/60	0–140#	7.5	1.8	59.00	153.00
117T-2	120	60	0–120	10.0	2.7	61.00	154.00
126U-2	120	50/60	0–140#	12.5	3.0	79.00	195.00
126-2	120	50/60	0–140#	12.5	3.0	88.00	209.00
136-2	120	50/60	0–140#	20.0	4.8	129.00	266.00
1156D-2D	120	50/60	0–140	45.0	10.9	287.00	425.00
1156D-4D	120	50/60	0–140	90.0	21.8	657.00	794.00‡
1156D-6D	120	50/60	0–140	135.0	32.7	1117.00	1254.00‡
10B-3	240	60	0–240	1.75	.73	44.00	.....
21-3	240	60**	0–280#	3.75	1.8	65.00	153.00
216U-2	240†	50/60	0–280#	3.0	1.5	54.00	142.00
216T-2	240†	50/60	0–280#	3.0	1.5	64.00	157.00
217T-2	240	60	0–240	4.0	2.6	66.00	160.00
226U-2	240†	50/60	0–280#	6.0	2.9	79.00	195.00
226-2	240†	50/60	0–280#	6.0	2.9	88.00	209.00
116U-3	240	60**	0–280#	7.5	3.6	68.00	156.00
116T-3	240	60**	0–280#	7.5	3.6	85.00	178.00
236-2	240†	50/60	0–280#	9.0	4.4	129.00	266.00
117T-3	240	60	0–240	10.0	5.4	86.00	180.00
126U-3	240	60**	0–280#	12.5	6.1	116.00	231.00
126-3	240	60**	0–280#	12.5	6.1	129.00	250.00
136-3	240	60**	0–280#	20.0	9.7	187.00	325.00
1256D-2D	240†	50/60	0–280	28.0	13.6	287.00	425.00
1156D-3Y	240	60**	0–280	45.0	21.8	433.00	571.00
1256D-4D	240†	50/60	0–280	56.0	27.2	657.00	794.00‡
1256D-6D	240†	50/60	0–280	84.0	40.7	1117.00	1254.00‡
1156D-6Y	240	60**	0–280	90.0	43.6	1090.00	1228.00‡
216U-3	480†	60**	0–560#	3.0	2.9	76.00	164.00
216T-3	480†	60**	0–560#	3.0	2.9	91.00	185.00
217T-3	480	60	0–480	4.0	5.2	95.00	188.00
226U-3	480†	60**	0–560#	6.0	5.8	116.00	231.00
226-3	480†	60**	0–560#	6.0	5.8	129.00	250.00
236-3	480†	60**	0–560#	9.0	8.7	187.00	325.00
1256D-3Y	480†	60**	0–560	28.0	27.2	433.00	571.00
1256D-6Y	480†	60**	0–560	56.0	54.3	1090.00	1228.00‡

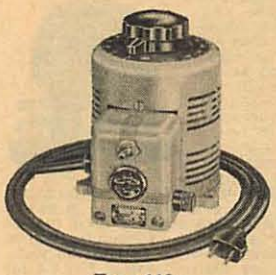

Type 2PF10


Type 136


Type 10B


Type 21


Type 117


Type 116


Type 1256D

FOOTNOTES TO ADJACENT TABLE

††**Letters in Part Numbers Indicate as follows:**
2PF—Two-prong parallel-blade plug and receptacle, cartridge type fuse and holder.
2TF—Same as 2PF except twist-lock plug and receptacle.
3PF—Same as 2PF except with third wire grounded to frame.
3PN—Same as 3PF except NEMA plug and receptacle.
3TF—Same as 3PF except twist lock plug and receptacle.
Suffix letters and numbers (2, 2S, 4P, 6P, etc.), indicate ganged units. Numeral shows number of units in assembly.
U—Supplied without protective screening, terminal enclosure, input cord, output receptacle, fuse or switch.

*Add type number prefix for full range travel motor speed desired —126–226 Series: 5MB for 5 sec.; 15MB for 15 sec.; 30 MB for 30 sec.; 60MB for 60 sec. (For example, 15MB226-3). 136–236 Series: 5MC for 5 sec.; 15MC for 15 sec.; 30MC for 30 sec.; 60MC for 60 sec. (For example, 15MC136). 21, 116, 117, 216, 217 and 1156D and 1256D Series: 5M for 5 sec.; 15M for 15 sec.; 30M for 30 sec.; 60M for 60 sec. (For example, 15M1156D-2S).

‡Not available in 5 second speed.

‡‡Requires also choke type T5000 at $14.00 additional.

**If the maximum output voltage is limited to the input voltage, the frequency range is 50-60 cycles.

#Unit supplied with terminals for limiting output voltage to line voltage if desired. Other units must be ordered "L" connected.

†Also has terminals for operating at ½ this input voltage.

§Also available as 2TF, 3PF, 3TF and 3PN types.

METERED KNOB POWERSTATS®

All manually-operated, enclosed single types in the 116–216, 117–217, 126–226 and 136–236 Series (with or without cord-plugs) listed in adjacent table are available with metered knobs.

When ordering, prefix type number with letter **"V"** and add **$28.00** to listed manual price. **Conversion kits** at **$30.00** each are also available to modify currently cataloged types not having metered knobs.


Type V3PN126

Superior Electric Components

POWERSTAT DC MOTOR SPEED CONTROLLERS

Provide continuously adjustable speed control of DC shunt-wound or series motors from AC power lines. Gives full rated torque at any speed; instant start, stop and reverse. Dynamic braking. Ideal for smooth control of conveyor systems; fast, high-torque starting for heavy loads; adjustable speed with full torque for grinders, drill presses and machine tools. Motor does not have to be derated for rectifier operation due to choke in armature circuit to reduce AC ripple. For continuous slow speed operation, maximum torque may have to be reduced because of insufficient motor rotational cooling. No electron tubes are used. Ruggedly constructed for a long, maintenance-free life. With main input fuse plus separate fuse protection in the DC armature circuit (but not in the field circuit). **AC Input:** 110–125 V (120 V nominal). **DC Field Output:** 0.5 amp, 120 V. **Motors:** Most DC motors within the controller ratings may be used. Two stocked types are listed here for convenience.

SPEED CONTROLLERS

Superior Type	For Motor	DC Arm. Output Volts	DC Arm. Output Amps	Size, In. H. x W. x D.	Price Each
MSC16	⅛ hp	0–120	2.0	8½ x 6 x 2¹³⁄₁₆	$110.00
MSC33	⅓ hp	0–120	3.5	11 x 8¼ x 4¹⁄₁₆	155.00

DC MOTORS

Superior Type	HP	RPM	NEMA Frame	Construction	For Controller	Price Each
MDC16-1	⅛	1725	56	Open	MSC16	$61.00
MDC33-1	⅓	1725	56	Open	MSC33	71.00

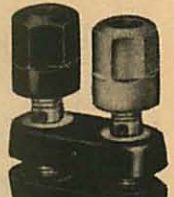
FLEXIFORMER® PACKAGED TRANSFORMER PRIMARY TYPES TP150 AND TP1000

Self-contained toroidal primary coil encased in high-impact plastic case and equipped with Superior Five-Way® binding posts for rapid connections. Can be used as a multiple source of AC voltages, or as a current transformer. Used as an AC voltage source, the correct number of secondary winding turns needed to obtain the desired output voltage are threaded through the center opening. A handy reference chart, supplied, gives easy-to-follow winding information for the most frequently used ratings. Used as a current transformer, the Flexiformer winding is shunted by an ammeter which indicates the current flow in a conductor that is passed through the center opening. Flexiformers may be used to test the current-carrying capacity of contacts, connectors, relays, circuit breakers, fuses and other devices. Input rating, 120 volts, 50/60 cps single phase for both types. Output rating, 150 VA for type TP150; 1000 VA for type TP1000. Either unit may be used as a portable or may be fastened in place. $25.00

Superior Type TP150 Flexiformer—Net Each..... $25.00

Superior Type TP1000 Flexiformer—Net Each..... $75.00

DOUBLE ASSEMBLY SUPERIOR FIVE-WAY® BINDING POSTS

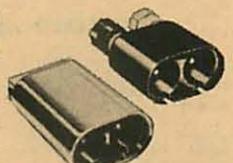


For use on instrument and equipment panels requiring binding posts that mount on ¾" centers. Rugged, self-contained assemblies; more accurate, faster and simpler usage than two individual binding posts. Fixed-panel-insulator of low-loss Lexan* plastic molded over brass cores frozen to shafts. Shoulders are raised for firm seating in mounting holes. Sliding panel mounting insulator of Lexan* plastic molded over brass cores; seats securely in mounting holes. All brass parts are gold plated. Rated for current carrying capacity of 30 amps, 1000 V working. Mount in any panel ⅛"–¼" thk. High impact strength from −100° F to +275° F; ductility rather than brittleness under impact. Available in three color code combinations. Specify: Black and White, suffix BWTC; Black and Black, suffix BBC; Black and Red, suffix BRC.

Superior Type DF30-2— Net Each..... 85c

*GE trademark

DUB-L-PLUG DUAL CONNECTORS



Multi-purpose Dub-L-Plug dual connectors provide quick, safe connections to binding posts mounted on ¾ in. centers. Feature gold plated metal conducting parts, color-coded captive thumbnuts, protectively recessed twin banana plugs. **Shielded/Insulated:** Die-cast chrome plated metal case and internal grounding banana plug, can be removed for use on 2-wire ungrounded circuits or with 2-conductor shielded cable. Shielded cable can be grounded to case with nylon cord-locking screw. **Insulated/Unshielded:** Nylon plastic bodies, available in red, white, blue, black, yellow or green. Provision for wiring connection by stud hole clamping, looping and clamping, or by spade lug, clip-lead or banana plug. Wiring slots permit stacking.

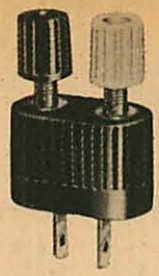
Superior Type SPGK2BC—Shielded/Insulated; black nylon plug. Net Each..... $4.50

Superior Type IPG2*—Insulated. Net Each..... $2.50

*Add suffix for color desired: BC, black; YC, yellow; RC, red; BLC, blue; GNC, green; WTC, white (e.g., IPG2RC is red).

FIVE-WAY® BINDING POSTS

DUAL ADAPTER



Designed to facilitate line voltage connections from output receptacles to binding posts. Ideally suited for applications using Dub-L-Plug dual connectors and other connectors designed for mating with binding posts on ¾" centers. Durable, black plastic body has fluted design for positive grip. Captive thumbnuts are color coded for circuit and polarity identification. Current carrying parts are finely machined brass with gold plating for stable electrical contact and resistance to corrosion. Rated for 125 volts, 15 amps. $1.50

Superior Type DAP15BWC—Net Ea...

5-WAY® BINDING POSTS

DF30 DF31 DF21 GP30NC FP15GBC

Design permits connection by (1) standard banana plug; (2) clip-lead to shaft; (3) wire looped around the shaft and clamped; (4) wire permanently clamped through center hole; (5) clamped spade lug connection. Binding posts can be mounted and securely locked in any panel from ⅛" to ¼" thick. Adapter spacers are available for mounting in thinner panels. Current carrying parts of hex nut, fluted nut, miniature and fused types are of gold plated brass. Types with nickel-plated brass parts are available on special order. All metal grounding type binding post is made of finely-machined brass nickel-plated and polished. When ordering hex nut, fluted nut or miniature types, specify color by suffix: **BC**—black; **YC**—yellow; **RC**—red; **BLC**—blue; **GNC**—green; or **WTC**—white.

Superior Type DF30 Hex Nut—Rated 30 amps, 1000 V working. Durable, nylon plastic insulating parts meet MIL-M-20693A, Type IV. Net Each..... 40c

Superior Type DF31 Fluted Nut—Insulating parts of Lexan* polycarbonate resin have low loss and power factor; high voltage insulation and impact strength. Rated 30 amps, 1000 V working. Net Each..... 40c

*GE trademark.

Superior Type DF21 Miniature—Smaller in size. Ideal for use on electrical and electronic apparatus where space is limited. Plastic parts meet MIL-M-20693A, Type IV. Rated 15 amps, 1000 V working. Available in fluted nut design only. Net Each..... 40c

Superior Type GP30NC Grounding—Designed for making rapid connections to ground. Functional design complements other hex nut Superior 5-Way® Binding Posts. Complete with washer and twin 10-32 hex nut. All metal construction. Net Each..... 40c

Superior Type FP15GBC Fused—Integral fuseholder accepts standard type 3AG fuse replaceable from front of panel. Rated 250 V, 15 amps max. Standard black; colors on special order. Net Each..... $1.50

SUPERCON® ELECTRICAL CONNECTORS

These socket and pin types of plugs and receptacles incorporate many new features. Wiring connections can be soldered or solderless. Two cable fastening screws permit accommodation of a wide range of cable sizes for many needs. Current carrying parts are of gold plated brass for stable electrical contact and resistance to corrosion. Molded plastic parts offer high dielectric strength, durability, color stability, self-locking action, resistance to heat and corrosion. Plug grips of two-piece threaded construction for quick assembly. Receptacles have color-matching caps and bodies for circuit identification in front and back of panel. Plug and receptacles available in red, white, blue, yellow, black or green (see footnote below). Available in 25, 50, 100 and 250 amp ratings.

SOCKET RECEPTACLES S. E. No.	Amp	Net Each	SOCKET PLUGS S. E. No.	Amp	Net Each
RS25G*	25	$1.75	PS25G*	25	$1.30
RS50G*	50	2.50	PS50G*	50	2.00
RS100G*	100	3.00	PS100G*	100	2.50
RS250G*	250	5.50	PS250G*	250	3.65

PIN RECEPTACLES			PIN PLUGS		
RP25G*	25	$1.75	PP25G*	25	$1.30
RP50G*	50	2.50	PP50G*	50	2.00
RP100G*	100	3.00	PP100G*	100	2.50
RP250G*	250	5.50	PP250G*	250	3.65

*Add suffix to indicate color desired: B, black; Y, yellow; R, red; BL, blue; GN, green; WT, white (e.g., RS50GB is black).

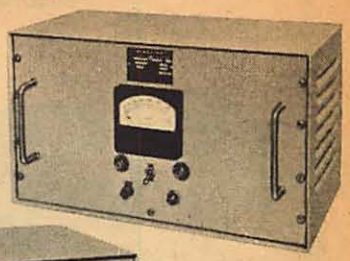
Superior REGULATORS, CONTROL, TEMPERATURE COUPLER

STABILINE® AUTOMATIC VOLTAGE REGULATORS

Maintain a constant output voltage regardless of line or load changes. Several series are available for requirements from 0.25 to 480 KVA. A complete line of Stablines® for use on frequencies of 400 cycles and higher also available. Bulletins giving complete data on all series are available on request.

ELECTRO-MECHANICAL TRANSISTORIZED SERIES

TYPE EMT—Ideal for industrial loads up to 100 KVA and where zero waveform distortion is required. Consists of motor driven "Powerstat" variable transformer, detector circuit and auxiliary transformer. The control circuit is completely transistorized. Requires no critical adjustments and operating sensitivity may be adjusted to within ±1%. All EMT types are designed for 50/60 cycle AC service, except as noted.



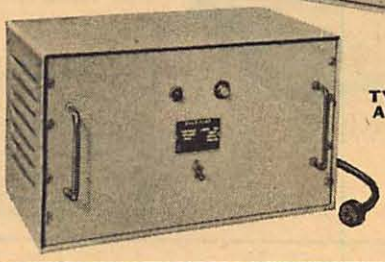
TYPE EMT4102

INSTANTANEOUS ELECTRONIC SERIES

TYPE IE—Completely electronic without moving parts. Provides complete correction in 3 to 10 cycles in smaller units and in 10 to 20 cycles in larger units. Holds output voltage to within ±0.1% of nominal for wide line variations and within ±0.15% of nominal for any load current changes or load power factor changes from .5 lagging to unity. Waveform distortion is generally under 2%, never exceeds 3%. For single phase operation only.

INSTANTANEOUS TRANSISTORIZED SERIES

Type IET—Feature a transistorized circuit. Output voltage remains with a 0.5-volt bandwidth for any and all variations in line voltage, load current and load power factor (0.25-volt bandwidth for input voltage changes only; 0.25-volt bandwidth for load current and power factor changes from lagging 0.5 to unity). For 60-cycle operation.



TYPES IE5101 AND IET5101

Superior Number	Nom'l Output Voltage	Cycles AC	Input Voltage Range	Output Voltage Range	Max. Output Amps	Rated Output KVA	Correction Rate: Sec./Volt	Approx. Wt., Pounds Net	Approx. Wt., Pounds Shpg.	Superior Number	Price Each
EMT4102*	115	50/60	95-135	110-120	17.5	2.0	.075	79	90	EMT4102*	$ 475.00
EMT4106B*	115	50/60	95-135	110-120	52.0	6.0	.075	114	133	EMT4106B*	550.00
EMT4112B*‡	115	50/60	105-125	110-120	104.0	12.0	.15	114	133	EMT4112B*‡	550.00
EMT4115	115	50/60	95-135	110-120	130.0	15.0	.125	250	300	EMT4115	700.00
EMT4104§	120	60	228-256	220-240	35.0	8.4	.10	45	60	EMT4104§	550.00
EMT4104U§	120	60	228-256	220-240	35.0	8.4	.10	37	54	EMT4104U§	445.00
EMT4104UT§	120	60	228-256	220-240	35.0	8.4	.10	40	56	EMT4104UT§	475.00
EMT4207	230	50/60	195-255	220-240	32.5	7.5	.083	150	200	EMT4207	600.00
EMT4228B	230	50/60	205-250	220-240	120.0	27.5	.111	288	350	EMT4228B	750.00
EMT4407	460	50/60	400-520	440-480	15.0	6.6	.041	165	175	EMT4407	715.00
EMT4418	460	50/60	400-520	440-480	40.0	17.6	.041	260	270	EMT4418	800.00
EMT6210Y†	230	50/60	195-255	220-240	25.0	10.0	.083	385	460	EMT6210Y†	1055.00
EMT6215Y†	230	50/60	195-255	220-240	38.0	15.0	.083	385	460	EMT6215Y†	1100.00
EMT6220Y†	230	50/60	195-255	220-240	50.0	20.0	.083	385	460	EMT6220Y†	1200.00
EMT6245Y†	230	50/60	195-255	220-240	113.0	45.0	.25	847	975	EMT6245Y†	1620.00
EMT6270D†	230	50/60	195-255	220-240	175.0	70.0	.25	800	928	EMT6270D†	2000.00
EMT6412Y†	460	50/60	400-520	440-480	16.0	12.5	.041	363	438	EMT6412Y†	1140.00
EMT6417Y†	460	50/60	400-520	440-480	22.0	17.5	.041	391	466	EMT6417Y†	1225.00
EMT6425Y†	460	50/60	400-520	440-480	33.0	25.0	.041	409	490	EMT6425Y†	1245.00
EMT6450Y†	460	50/60	400-520	440-480	66.0	50.0	.125	770	966	EMT6450Y†	1765.00
EMT6475Y†	460	50/60	400-520	440-480	100.0	75.0	.125	825	955	EMT6475Y†	1900.00
EMT64100Y†	460	50/60	420-500	440-480	131.0	100.0	.188	840	968	EMT64100Y†	2000.00
IE51002*	115	60 ± 10%	95-135	110-120	2.2	0.25	.....	44	49	IE51002*	345.00
IE51005*	115	60 ± 10%	95-135	110-120	4.5	0.5	.....	56	60	IE51005*	370.00
IE5101*	115	60 ± 10%	95-135	110-120	8.5	1.0	.....	80	92	IE5101*	430.00
IE5102*	115	60 ± 10%	95-135	110-120	22.0	2.5	.....	156	188	IE5102*	660.00
IE5105*	115	60 ± 10%	95-135	110-120	43.5	5.0	.....	234	284	IE5105*	725.00
IE5110	115	60 ± 10%	95-135	110-120	87.0	10.0	.....	484	610	IE5110	1640.00
IE52002*	230	60 ± 10%	195-255	220-240	1.1	0.25	.....	45	48	IE52002*	345.00
IE52005*	230	60 ± 10%	195-255	220-240	2.2	0.5	.....	56	60	IE52005*	370.00
IE5201*	230	60 ± 10%	195-255	220-240	4.5	1.0	.....	77	87	IE5201*	430.00
IE5202*	230	60 ± 10%	195-255	220-240	11.0	2.5	.....	139	172	IE5202*	625.00
IE5205*	230	60 ± 10%	195-255	220-240	22.0	5.0	.....	232	284	IE5205*	725.00
IE5210	230	60 ± 10%	195-255	220-240	43.5	10.0	.....	479	605	IE5210	1640.00
IEL51005*	115	50 ± 10%	95-135	110-120	4.5	0.5	.....	88	100	IEL51005*	450.00
IEL5101*	115	50 ± 10%	95-135	110-120	8.5	1.0	.....	88	100	IEL5101*	485.00
IEL5105*	115	50 ± 10%	95-135	110-120	43.5	5.0	.....	240	290	IEL5105*	760.00
IEL52005*	230	50 ± 10%	195-255	220-240	2.2	0.5	.....	88	100	IEL52005*	450.00
IEL5201*	230	50 ± 10%	195-255	220-240	4.5	1.0	.....	88	100	IEL5201*	485.00
IEL5202*	230	50 ± 10%	195-255	220-240	11.0	2.5	.....	153	190	IEL5202*	665.00
IEL5205*	230	50 ± 10%	195-255	220-240	22.0	5.0	.....	240	290	IEL5205*	765.00
IET51002*	115	60 ± 5%	95-135	110-120	2.2	0.25	.....	44	49	IET51002*	410.00
IET51005*	115	60 ± 5%	95-135	110-120	4.5	0.5	.....	56	60	IET51005*	430.00
IET5101*	115	60 ± 5%	95-135	110-120	8.5	1.0	.....	80	92	IET5101*	510.00

*Also available as rack models (suffix R when ordering). †Three-phase types; all others are single-phase. ‡Can also be operated on an input range of 95 to 135 V with a rating of 52.0 amps, 6.0 KVA and a correction of .075 second per volt. §60 cycles only.

PTC5 Coupler

FR500MP Controller

STABILTEMP PROPORTIONING TEMPERATURE COUPLER

Automatically maintains voltage required to keep electric furnaces and ovens at correct temperature when used with control systems employing commercial type current- proportioning temperature controllers. Designed for use with motor-driven Powerstat variable transformers rated 120 or 240 V, 50/60 cps single-phase. For 3-phase operation, unit can be used to monitor one line-to-neutral or one line-to-line voltage, depending on Powerstat used. For desired temperature, voltage is regulated at any point within the range of the Powerstat as determined by the controller current command signal regardless of line voltage or load variations. **Command Signal:** 5 mA, max. Shunting resistors must be provided by user for 20 or 50 mA command signals. Size: 11" h. x 6" w. x 7" d., overall. Mounting centers 4½" x 10¼" maximum.

Superior Type PTC5 Proportioning Temperature Coupler—Price Each....**$225.00**

STABILINE® FULL-RANGE REGULATOR CONTROLLER

Designed for use with motor-driven Powerstat variable transformers to maintain constant output voltage. Adjustable to any value within the full range of the Powerstat used. Regulates output from any motor-driven Powerstat rated 120 or 240 volts, 50/60 cps, single-phase. Dependant on Powerstat used, unit may be used for 3-phase applications maintaining one line-to-neutral or one line-to-line voltage. Can also be used in 480 volts, 50/60 cps, 3-phase, but an auxiliary step-down transformer is required for sensing line-to-line voltage. Voltage output remains within 4-volt band when used with 240 V types. Voltmeter on front panel monitors Powerstat output in 0-300 volt range. Other controls include voltage adjust, on-off switch, pilot indicating when unit is energized, motor damping control and three fuses. Size: 11" h. x 6" w. x 7" d., overall. Mtg. centers 4½" x 10¼" maximum.

Superior Type FR500MP Regulator Controller—Price Each.....**$195.00**