



SPEED CONTROL, CP10495
115 VAC INPUT
The Freedom Electric Co. |
16 Stony Hill Rd.
Bethel, CT 06801 USA +

BOTTOM VIEW WITH COVER REMOVED

REV.	DESCRIPTION	APPROVED	DATE
A	ADDED C.13650-23 TO TABLE	KC	8-20-06
B	ADDED CIRCUIT BOARD COLUMN	KC	3-13-07
C	ADDED MODELS EMGX-1 & -2	KC	11-5-07
D	CP10495-PGX WAS CP10495-PG CP10830 WAS CP10542	KC	11-10-08

CONTROL -1 (115V MODELS) -2 (230V MODELS)	TURN ON SPEED (RPM)	POWER INPUT CORDSET PART NO.	TO MOTOR CORDSET PART NO.	FUSE PART NO.	CIRCUIT BOARD PART NO.
EM-1	200 TO 600	CP10541	CP10542	1.5 AMP CP10543	CP10495
EM-2	200 TO 600	CP10541 OR * COPTION	CP10542	1.5 AMP CP10543	CP10495-2
EMG-1	100 TO 300	CP10541	CP10542	1.5 AMP CP10543	CP10495-PG (R3 = 68 Kohm)
EMG-2	100 TO 300	CP10541	CP10868	1.5 AMP CP10543	CP10495-2PG (R3 = 62 Kohm)
EMGX-1	100 TO 300	CP10541	CP10830	1.5 AMP CP10543	CP10495-PGX (R3 = 51 Kohm)
EMGX-2	100 TO 300	CP10541	CP10868	1.5 AMP CP10543	CP10495-2PGX (R3 = 51 Kohm)
EMH-1	200 TO 600	CP10541	CP10830	5 AMP CP10586	CP10495
EMH-2	200 TO 600	CP10541 OR * COPTION	CP10868	3 AMP CP10574	CP10495-2
EMX-1	100 TO 300	CP10541	CP10830	5 AMP CP10586	CP10495
EMX-2	100 TO 300	CP10541 OR * COPTION	CP10868	3 AMP CP10574	CP10495-2
C.13650-23 (ACE GLASS)	0	CP10541	CP10830	1.5 AMP CP10543	CP10495-PGX

PART No. * 230V CORDSET OPTIONS
 CP10553 MALE, UNITED KINGDOM, CPOTION21
 CP10554 MALE, CONTINENTAL EUROPE, CPOPTION22
 CP10555 MALE, INDIA 10A, CPOPTION25

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
DIM. ARE IN INCHES	DRAWN DN	12/5/2005
TOLERANCES ON:	CHECKED	
2 PL DEC. ± .010	APPROVED	
3 PL DEC. ± .005		
ANGLES ± 2'		
FRACTIONS ± 1/32		

Blackstone Industries, Inc.
Bethel, Connecticut 06801

PART NAME **WIRING DIAGRAM, 115V & 230V
DIAL CONTROL, BENCH MODEL, EM**

PART NO. **N/A** SCALE **1 TO 1**

DWG. NO. **02B01546** REV. **D**