



NOTES:
 THE REGULATOR COMPRSES A MOTOR DRIVEN VARIABLE AUTOTRANSFORMER, A BUCK-BOOST FIXED RATIO TRANSFORMER AND A MICROPROCESSOR BASED SOLID STATE CONTROL UNIT THAT AUTOMATICALLY POSITIONS THE AUTOTRANSFORMER TO HOLD THE OUTPUT VOLTAGE CONSTANT.

SPECIFICATIONS:

WAVEFORM DISTORTION — — — — — ZERO
 FREQUENCY RANGE — — — — — 47Hz TO 63Hz
 ACCURACY — — — — — $\pm 1.0\%$ #
 INTERNAL IMPEDANCE — — — — — EXTREMELY LOW
 PHASE SHIFT — — — — — NEGLIGIBLE
 EFFICIENCY — — — — — APPROXIMATELY 98%
 TEMPERATURE RANGE — — — — — 0°C (32°F) TO +50°C (122°F)

CONTROLS:

VOLTAGE METER: AN ANALOG 0-150 VAC METER IS PROVIDED TO READ THE OUTPUT VOLTAGE.

SET POINT: THIS POTENTIOMETER CONTROL IS ROTATED CLOCKWISE TO INCREASE THE OUTPUT VOLTAGE SET POINT AND COUNTERCLOCKWISE TO DECREASE THE OUTPUT VOLTAGE SET POINT.

CONTROL CIRCUIT SWITCH: THIS ILLUMINATED PUSHBUTTON SWITCH IS PROVIDED TO INDICATE THAT THE CONTROL UNIT IS OPERATING WHEN ILLUMINATED AND AS A RESET SWITCH FOR THE MICROPROCESSOR.

REGULATION IS $\pm 0.5\%$ FOR +9% THRU -19% OF THE INPUT VOLTAGE RANGE.

* AT NOMINAL OUTPUT VOLTAGE, INPUT VOLTAGE RANGE (+10% TO -20%) SHIFTS PROPORTIONALLY WITH OUTPUT VOLTAGE SETTINGS.

++ INPUT RANGE IN VOLTS DIVIDED BY THE MOTOR DRIVE TRAVEL TIME IN SECONDS.

SINGLE PHASE 50/60Hz

NOMINAL OUTPUT VOLTAGE	INPUT VOLTAGE RANGE*	MAXIMUM OUTPUT AMPERES	RATED OUTPUT (KVA)	CORRECTION RATE (VOLTS/SECOND)++
120	96-132	62.5	7.5	36

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS + DECIMALS .005 .012 .002 .005 .005 .005	ANGLES 1° 1-1/2°	UNITS IN [mm]	TITLE: SPEC. CONTROL DRAWING AUTO. VOLTAGE REGULATOR MODEL: SVR-12WBSN007	
MATERIAL:	ALL DIMENSIONS APPLY AFTER PLATING.			
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	CHECKER DATE WEIGHT APPROX. CODE IDENT. NO. B3008		DWG. SIZE D DWG. NO. 095-1876	
	ENGINEER DATE SCALE .50=1 SHEET 1 OF 1			

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