

NOTES:
THE REGULATOR COMPRISES 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 — — — — — ±1.0% #
INTERNAL IMPEDANCE — — — — — EXTREMELY LOW
PHASE SHIFT — — — — — NEGLIGIBLE
EFFICIENCY — — — — — APPROXIMATELY 98%
TEMPERATURE RANGE — — — — — 0°C (32°F) TO +50°C (122°F)

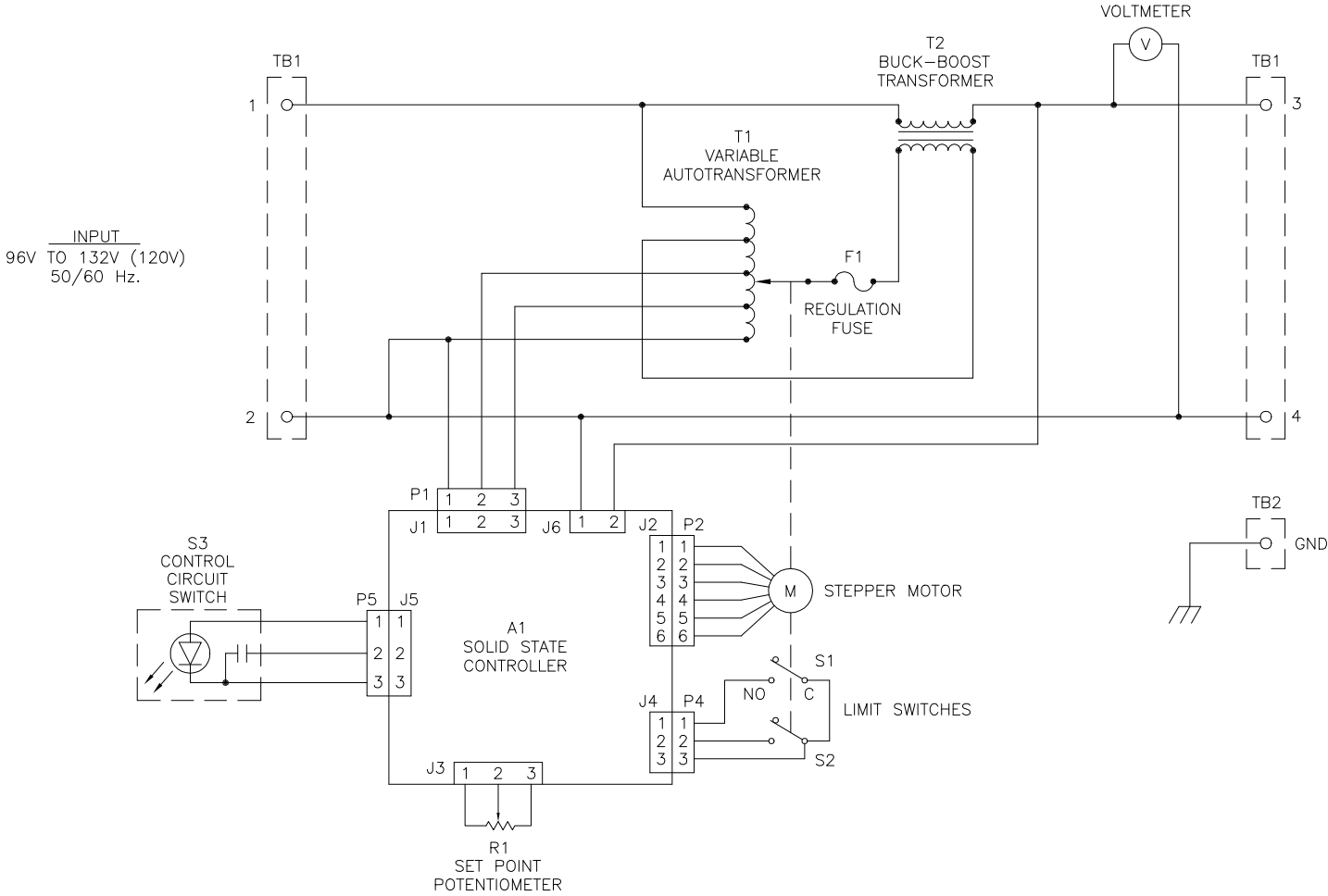
CONTROLS:
VOLTAGE METER: AN ANALOG 0-150 VAC METER IS PROVIDED TO READ THE OUTPUT VOLTAGE.
SET POINT: THIS POTENTIOMETER CONTROL IS ROTATED CLOCKWISE TO INCREASE THE OUTPUT VOLTAGE SET POINT AND COUNTERCLOCKWISE TO DECREASE THE OUTPUT VOLTAGE SET POINT.

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 ±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 .XX .0012 .002 HOLES .005 ANGLES 1° DRAFT 1-1/2°				UNITS IN [mm]		TITLE: SPEC. CONTROL DRAWING AUTO. VOLTAGE REGULATOR MODEL: SVR-12WBSN007				 DAYTON, OHIO U.S.A.	
MATERIAL:				ALL DIMENSIONS APPLY AFTER PLATING							
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DRAWN BY		DATE		FIRST USED ON		DO NOT SCALE DWG.		CUSTOMER APPROVAL		DATE	
S.A. SMITH		6/20/96									
CHECKER		DATE		WEIGHT APPROX.		CODE IDENT. NO. 83008		DWG. SIZE		DWG. NO.	
								D		095-1876	
ENGINEER		DATE		SCALE		SHEET 1 OF 1					
				.50=1							

Mouser Electronics

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[SVR-12WBSN007](#)