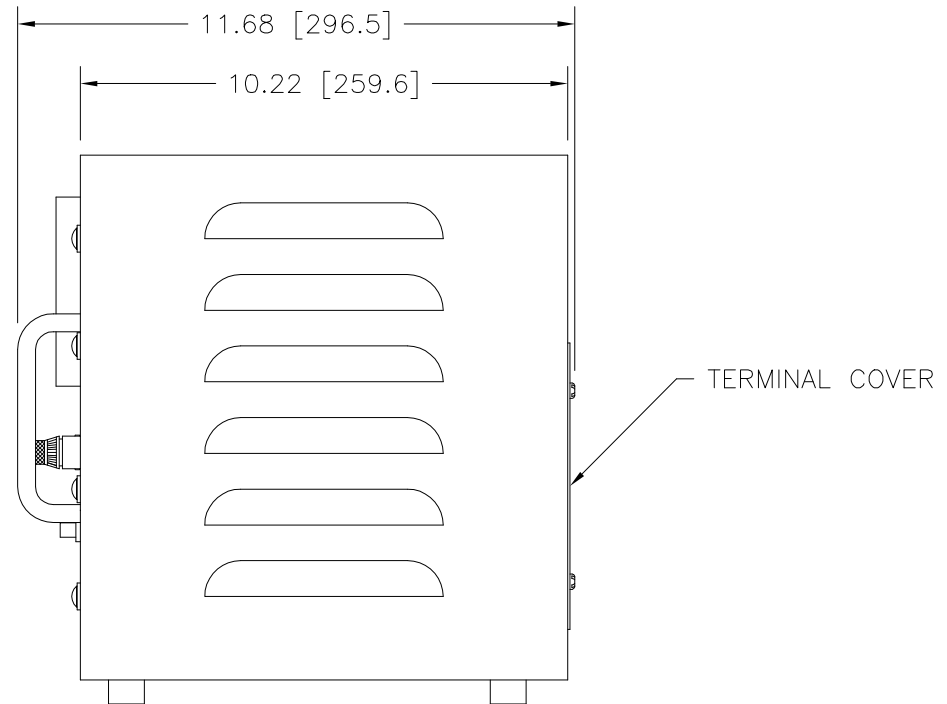
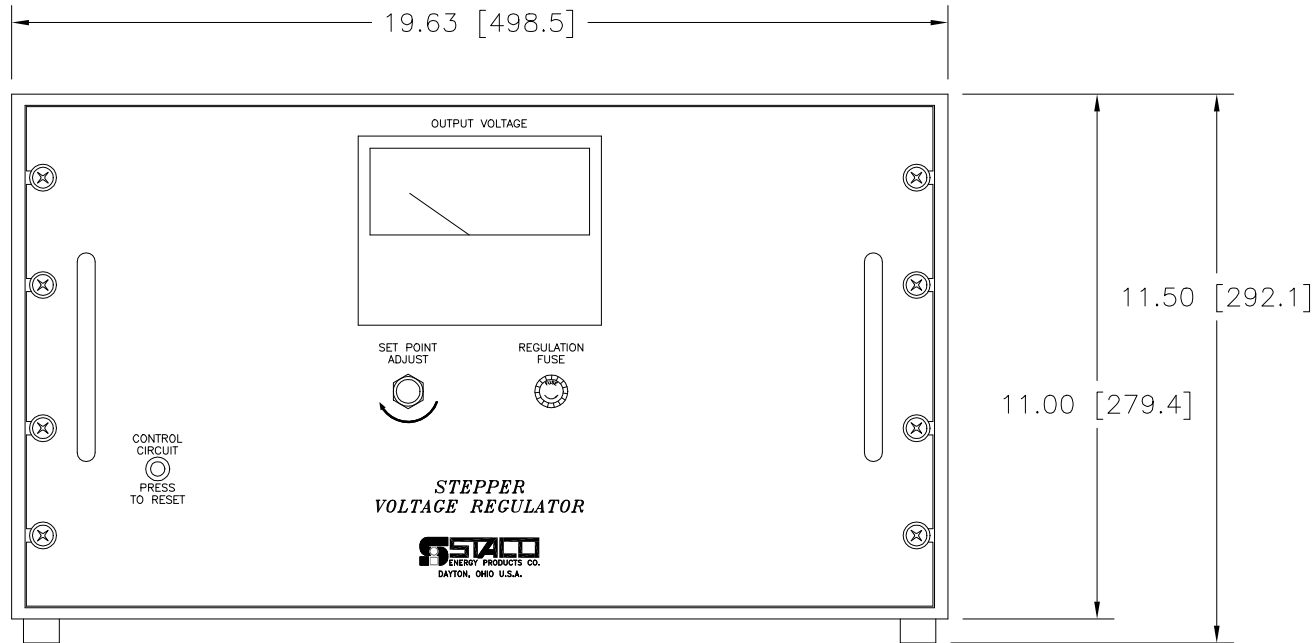


Go to [VARIAC.com](http://VARIAC.com)  
to purchase and for  
technical support.  
Made in the USA



**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.

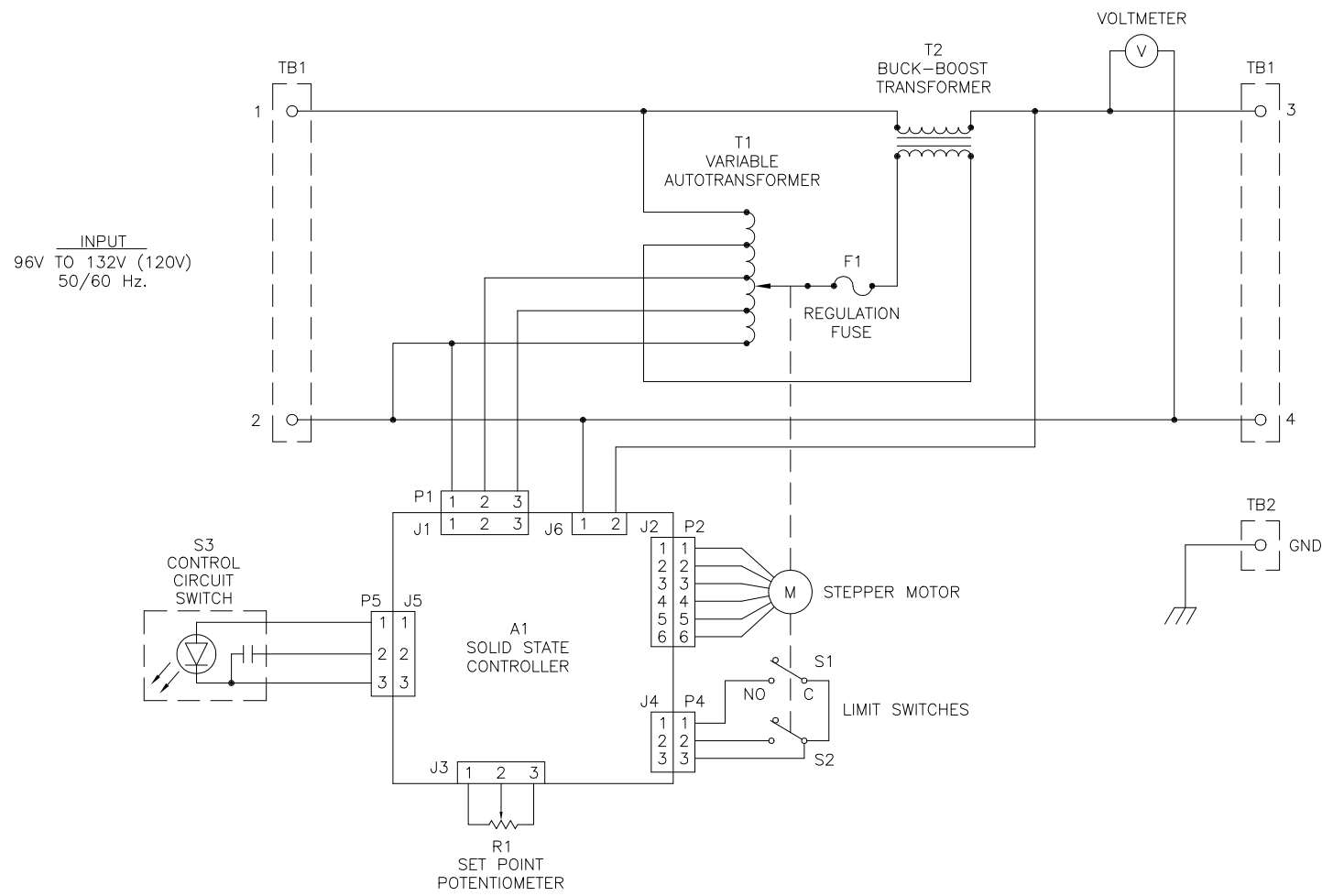
SET POINT: THIS POTENTIOMETER CONTROL IS ROTATED CLOCKWISE TO INCREASE THE OUTPUT VOLTAGE SET POINT AND COUNTERCLOCKWISE TO DECREASE THE OUTPUT VOLTAGE SET POINT.

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.



REGULATED OUTPUT  
 120 VAC  
 62.5 AMPS  
 7.5 KVA

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 #	UNITS	TITLE: SPEC. CONTROL DRAWING		
DECIMALS .12 .002	IN [mm]	AUTO. VOLTAGE REGULATOR		
Holes .12 .002		MODEL: SVR-12WBSN007		
ANGLES 1° 1-1/2°		DRAWN BY	DATE	FIRST USED ON
DRAFT 1-1/2°		S.A. SMITH	6/20/96	DO NOT SCALE DWG.
		CHECKER	DATE	WIGHT APPROX.
		ENGINEER	DATE	SCALE .50=1
				CODE IDENT. NO. 83008
				DWG. NO. 095-1876
				SHEET 1 OF 1