

## **SVS ELECTRICAL INFORMATION**

## Electrical Requirements



**DANGER!** Make sure all electrical installation, service and/or maintenance work is performed by a qualified electrician and is in accordance with applicable electrical codes.

The identification plate for the SVSEC15U model including the required electrical information is shown below:

MFG BY: WOOD-MIZER LLC, 8180 W. 10th St. Indianapolis, IN 46214-2400 317/271-1542 or 800/553-0182											
SERIAL #	SVS 014/2011			FLA OF LARGEST LOAD	22A						
FLA	25A	IR	200kA	SCCR	100kA	VOLTS	480	HZ	60	PH	3
<i>(Base unit only)</i>											
ELECTRICAL DIAGRAM #	SVS001		PATENTS					S20038			
											300_0003C

**SVSEC15U IDENTIFICATION PLATE**

**IMPORTANT!** The SVSEC15U is wired for use with a 480 volt power supply. To operate the SVS with 240 volt, 400 volt or 600 volt power supply an additional transformer is required. See the table below for transformers available from Wood-Mizer.

See Table 5-2.

Conversion From/To	240 to 480 volts	400 to 480 volts	600 to 480 volts
Wood-Mizer Part No.	069712	069616	068047

**TABLE 5-2**

See Table 5-1. The overall dimensions of the SVS are listed in the table below.

<b>Weight</b>	2425 lbs. (1100 kg)
<b>Height</b>	6' 11" (2113 mm)
<b>Width</b>	8' 2" (2483 mm)
<b>Length</b>	17' 8" (5385 mm)

**TABLE 5-1**

## Cutting Capacity

See Table 5-3. The material size and performance capacities of the SVS are given below.

<b>Cutting Length</b>	40" - 142" (1 - 3,6 m)
<b>Max Material Width</b>	15 3/4" (400 mm)
<b>Max Material Height</b>	9 5/8" (250 mm)
<b>Feed Speed</b>	0-82 ft./min (0-25 m/min)

**TABLE 5-3**

See Table 5-4. Wood-Mizer TRU SHARP offers three types of blades to provide efficient sawing. The type of wood you saw should determine which blade you choose for optimum performance.

<b>Motor Size</b>	<b>Recommended Blade Type</b>		
	<b>Softwood</b>	<b>Medium Hardwood</b>	<b>Frozen Timber or Dense Hardwood</b>
<b>5 HP - 15 HP</b>	.042 x 7/8 x 1 1/4"	.042 x 7/8 x 1 1/4"	.045 x 7/8 x 1 1/4" F1

## Blade Motor Specifications

See Table 5-5. See the table below for motor specifications for SVS.

Motor Type	Manufacturer	Model	Power	Other Specifications
Blade Motor	Indukta, Poland	SG132S -2PC HM	11kW (14.7HP)	400 V/50Hz; 20.3 Amp; 2920 RPM
Feed Track Motor	Besel, Poland	SKh80X-4C1 IMB14/1-162	1.1kW (1.47HP)	400 V/50Hz; 2.3 Amp; 1380 RPM

**TABLE 5-5**

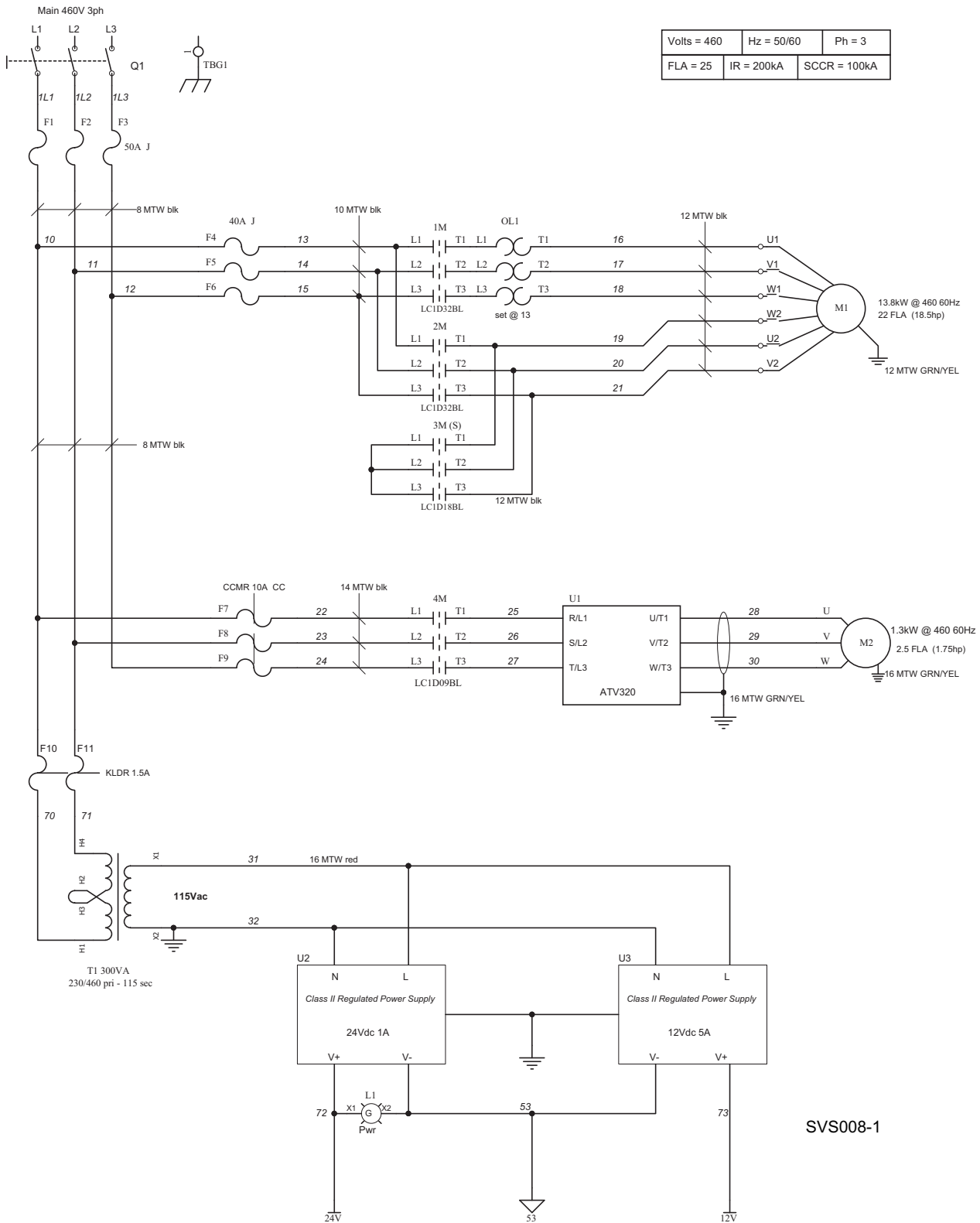
See Table 5-6. The noise levels of the Wood-Mizer SVS are listed below<sup>12</sup>.

	Noise Level L <sub>EX8</sub>
E15 Electric Motor	92,3 dB (A)

**TABLE 5-6**

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1. The noise level measurement was taken in accordance with PN-EN ISO 3746 Standard . The noise exposure level given above concerns an 8-hour work day.
  2. The measured values refer to emission levels, not necessarily to noise levels in the workplace. Although there is a relation between emission levels and exposure levels, it is not possible to determine with certainty if preventives are needed or are not needed. The factors affecting a current level of noise exposure during work are inter alia room characteristics and characteristics of other noise sources, e.g. number of machines and machining operations nearby. Also, the permissible exposure level value may vary depending on country. This information enables the machine's user to better identify hazards and a risk .

# Electrical Diagram, SVS EC15U



SVS008-1

FIG. 5-3 PAGE 1 OF 2

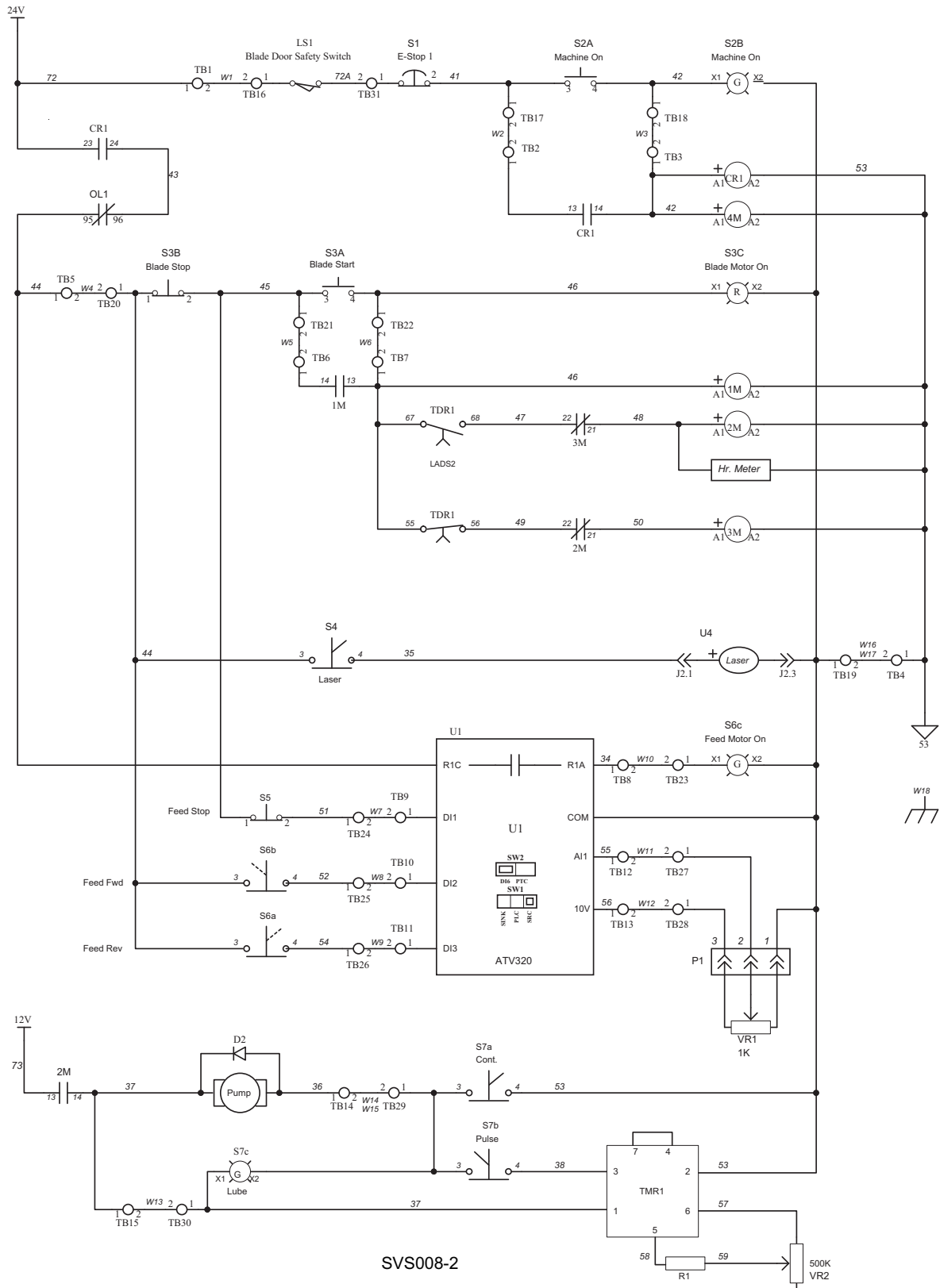


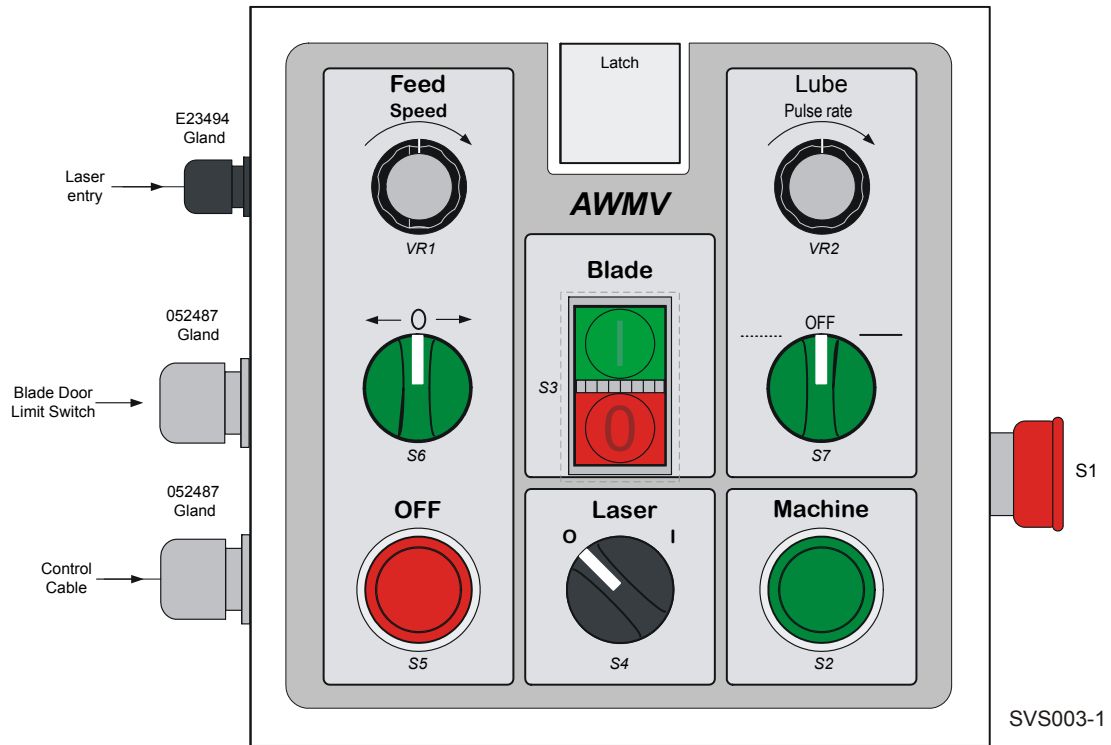
FIG. 5-4 PAGE 2 OF 2

# Electrical Component List

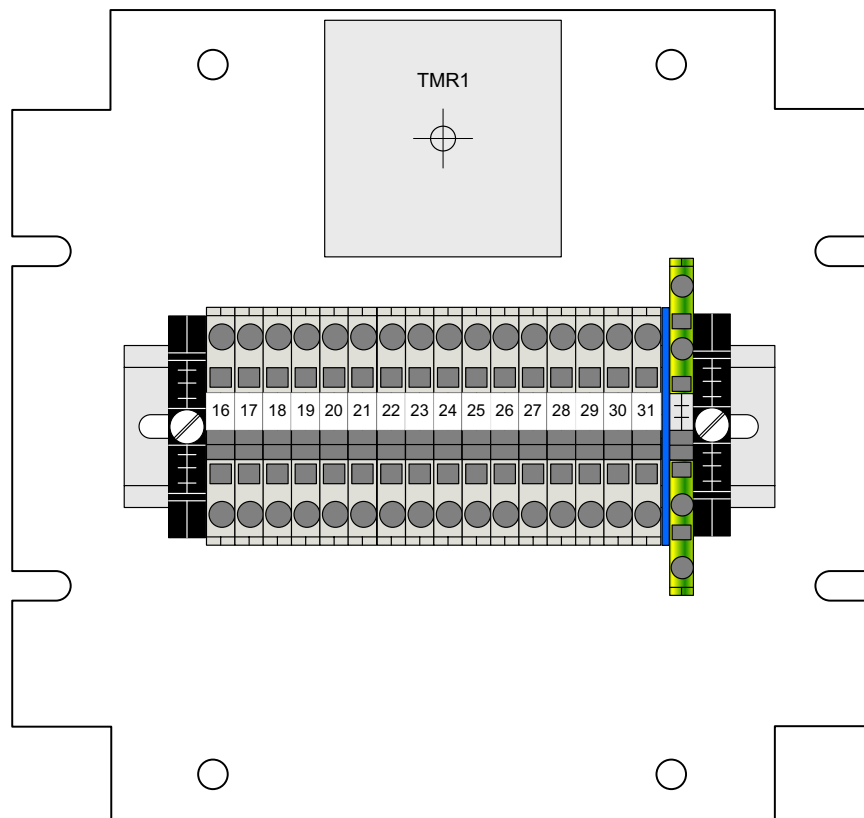
Component	Manufacturer Part No.	Manufacturer	Wood-Mizer Part No.	Description
<b>1M, 2M</b>	LC1D32BL	Square D	053098	Contactora, 32A 3P 24VDC Low Pwr Coil
<b>3M</b>	LC1D18BL	Square D	024911	Contactora, 18A 3P 24V Low Pwr Coil
<b>4M</b>	LC1D09BL	Square D	024890	Contactora, 9A 3P 24VDC Coil
<b>CR1</b>	CA3SK20BD	Square D	051684	Relay, IEC Control 2 NO 24VDC
<b>D1</b>	OT63F3	ABB	050881-1	Disconnect, 63A 600V 3P 6mm Shaft
<b>F1, F2, F3</b>	TCFH60	Cooper Bussman	053717	Fuse, 50A Class J Cube
<b>F4, F5, F6</b>	TCF40RN	Cooper Bussman	069702	Fuse, 40A Class J Cube
<b>F7, F8, F9</b>	CCMR010	Little Fuse	051957	Fuse, 10A 600V Class CC Delay
<b>F10, F11</b>	KLDR01.5	Little Fuse	052482	Fuse, 1.5A 600V KLDR Class CC
<b>HM1</b>	732-0004	Redington Counters	015401	Meter, Hour Rectangle Mount w/ gasket
<b>L1</b>	XB4BVB3	Square D	024970-3	Pilot Light, Green 24V 22mm LED XB4
<b>OL1</b>	LRD21	Square D	053524	Overload, 12-18A
<b>R1</b>	---	---	024591	Resistor Assy, 47K Yellow Lube Timer
<b>S1</b>	ZB4BS54	Square D	024945	Switch, PB E-Stop Maintnd Red 22mm ZB4
<b>S1, S5</b>	ZB4BZ102	Square D	025161	Switch Body, 1NC 22mm ZB4
<b>S2, S3</b>	ZB4BW0B31	Square D	025236-31	Switch Body, 22mm Grn LED 1 NO 24V ZB4
<b>S2</b>	ZB4BW333	Square D	051301	Switch Head, Green Flush ZB4
<b>S3</b>	ZB4BW7L3741	Square D	051746	Switch Operator, 2 Button w/Pilot Red/Gr
<b>S4</b>	ZB4BD2	Square D	051302	Switch Head, 2 Pos. Maintained ZB4
<b>S4</b>	ZB4BZ101	Square D	025242	Switch Body, 1NO 22mm ZB4
<b>S5</b>	ZB4BL4	Square D	050151	Switch Head, Red Extended
<b>S6</b>	ZB4BK1533	Square D	053753	Switch Head, Selector 3pos Mom Illum
<b>S6, S7</b>	ZB4BW0B33	Square D	053754	Switch Body, 2 NO Grn LED
<b>S7</b>	ZB4BK1333	Square D	053752	Switch Head, Selector 3pos Maint Illum
<b>U1</b>	---	---	053755-1	Drive Assembly, SVS Feed Motor
<b>U2</b>	1943385	Meanwell	053118	Power Supply, 1A 24VDC Meanwell
<b>U3</b>	1943457	Meanwell	053769	Power Supply, 12VDC 5A DIN
<b>T1</b>	9070T300D1	Square D	069555	Transformer, 300VA 230x460 Pri 120V Sec
<b>TB1-TB15</b>	---	---	068100	Terminal Block, 2Pos 2.5mm Clamp
<b>TDR1</b>	LADS2	Square D	069732	Relay, Time Delay Auxillary
<b>TMR1</b>	4600A-1-1-A	Artisan Controls	024530	Timer, Repeat Cycle 12VDC 1A .2-60sec
<b>VR1</b>	---	---	052451	Pot Assembly, 1K SHR Feed Control
<b>VR2</b>	---	---	024590	Pot Assembly, Lube Mizer Control

# Component Layout Diagram, SVS EC15U

## Operator Box Panel

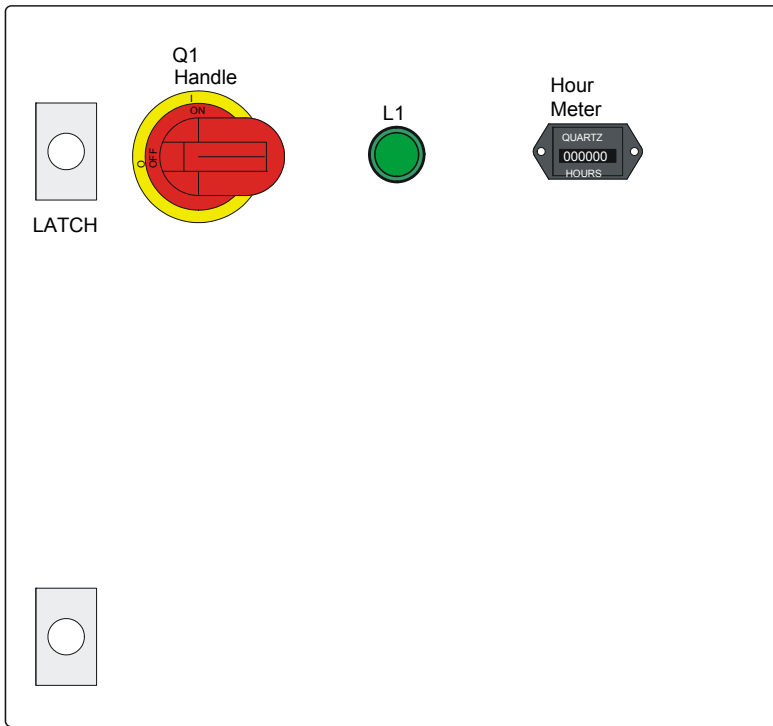


## Operator Box Insert



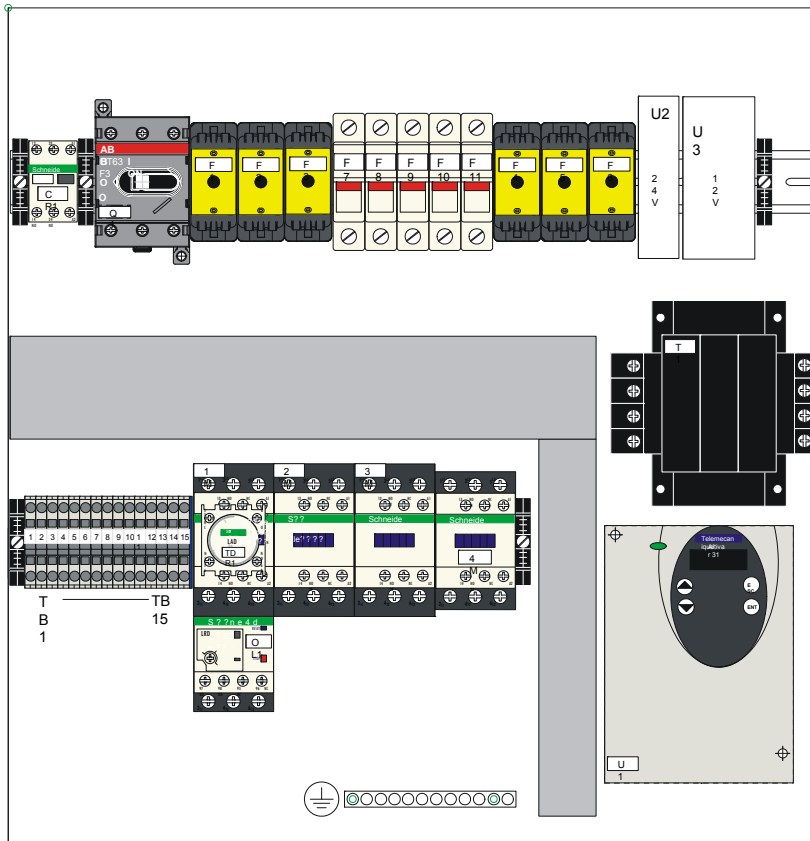


## Control Box Panel



SVS004-1

## Control Box Insert



SVS004-2