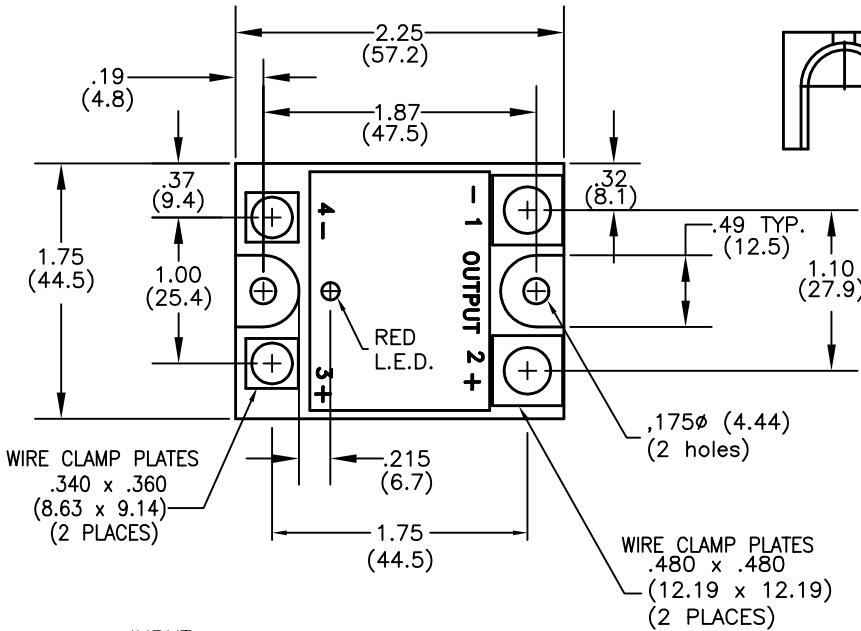
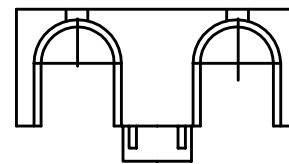
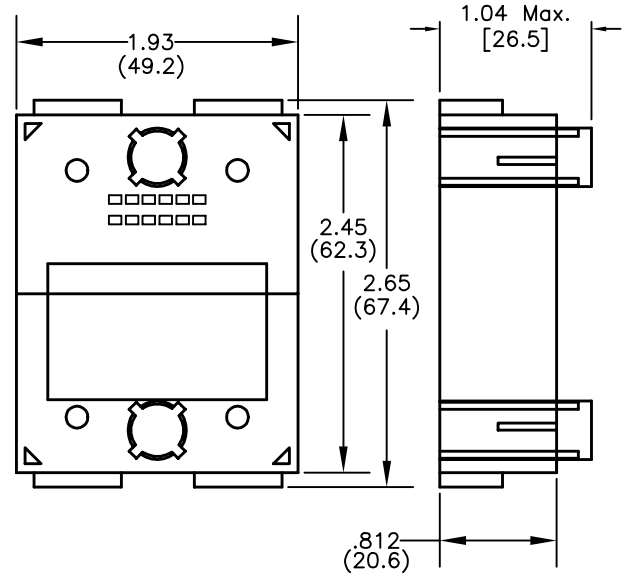
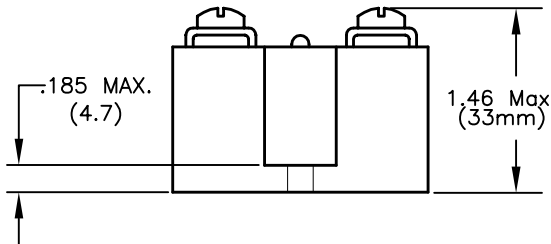
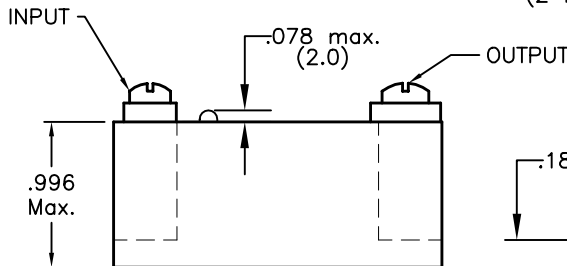


DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1413	A	RELEASED	JWM	7/9/03	HO	7/14/03	DJC	7/14/03

CLEAR SAFETY COVER



ALL SCREW TO BE SLOTTED/STAR (STRAIGHT/PHILLIPS)



SPC-F004.DWG

TOLERANCES: Tolerances: Unless Otherwise Specified: .XX = ±.010 [2.5] .XXX = ±.005 [1.2] Angles = ±30°	DRAWN BY: Jeff McVicker	DATE: 7/10/03	DRAWING TITLE: Solid State Relay, AC, 50 Amp			
	CHECKED BY: Hisham Odish	DATE: 7/14/03	SIZE A	DWG. NO. SPC9675	ELECTRONIC FILE 95B0418.dwg	REV A
	APPROVED BY: Daniel Carey	DATE: 7/14/03	SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 1 OF 2	

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Solid State Relay Specification

Input Characteristics	
Input Voltage	90 to 280Vac
Must Release Voltage	10Vac
Nominal Input Impedance	13k ohms
Typical Input Current @ 240VAC	20mA
Reverse Polarity Protection	N/A
Output Characteristics	
Switching Device	SCR (2)
Switching Type	Zero Cross
Switching Configuration	SPST-NO
Load Voltage Range	40 to 280 Vrms
Maximum Rate of Rise Off State Voltage(dv/dt)	500V/uS
Rated Load Current (rms)	50A
UL Incandescent Lamp Ampere Rating	39A
UL Motor Load Rating	14A
Min. Load Current to Maintain On	250mA
Non-Repetitive Surge Current (1 cycle)	520A
Max. RMS Overload Current (1 second)	1000A
Max. Off State Leakage Current (rms)	10mA
Typical On State Voltage Drop	1.8Vac
Max. On State Voltage Drop (rms)	1.8Vac
Maximum Turn-On Time	1/2 cycle
Maximum Turn-Off Time	1/2 cycle
Maximum 12T for Fusing (Asquared sec.)	1250
Miscellaneous Characteristics	
Thermal Resistance J to C Tj=155° °C/W	0.63
Suggested Heatsink °C/W	0.14
Dielectric Strength	4000Vrms
Insulation Resistance	10 ¹⁰ ohms
Operating Temperature Range	-40°C to +80°C
Storage Temperature Range	-40°C to +100°C
Weight	135g
LED	Red
Input Terminals	M3.5
Output Terminals	M6
Safety Cover	Yes
Wire Clamp Plates	Yes

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SPC-F004.DWG

SIZE DWG. NO.

A

SPC9675

ELECTRONIC FILE

95B0418.dwg

REV

A

DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

SCALE: NTS

U.O.M.: INCHES [mm]

SHEET: 2 OF 2