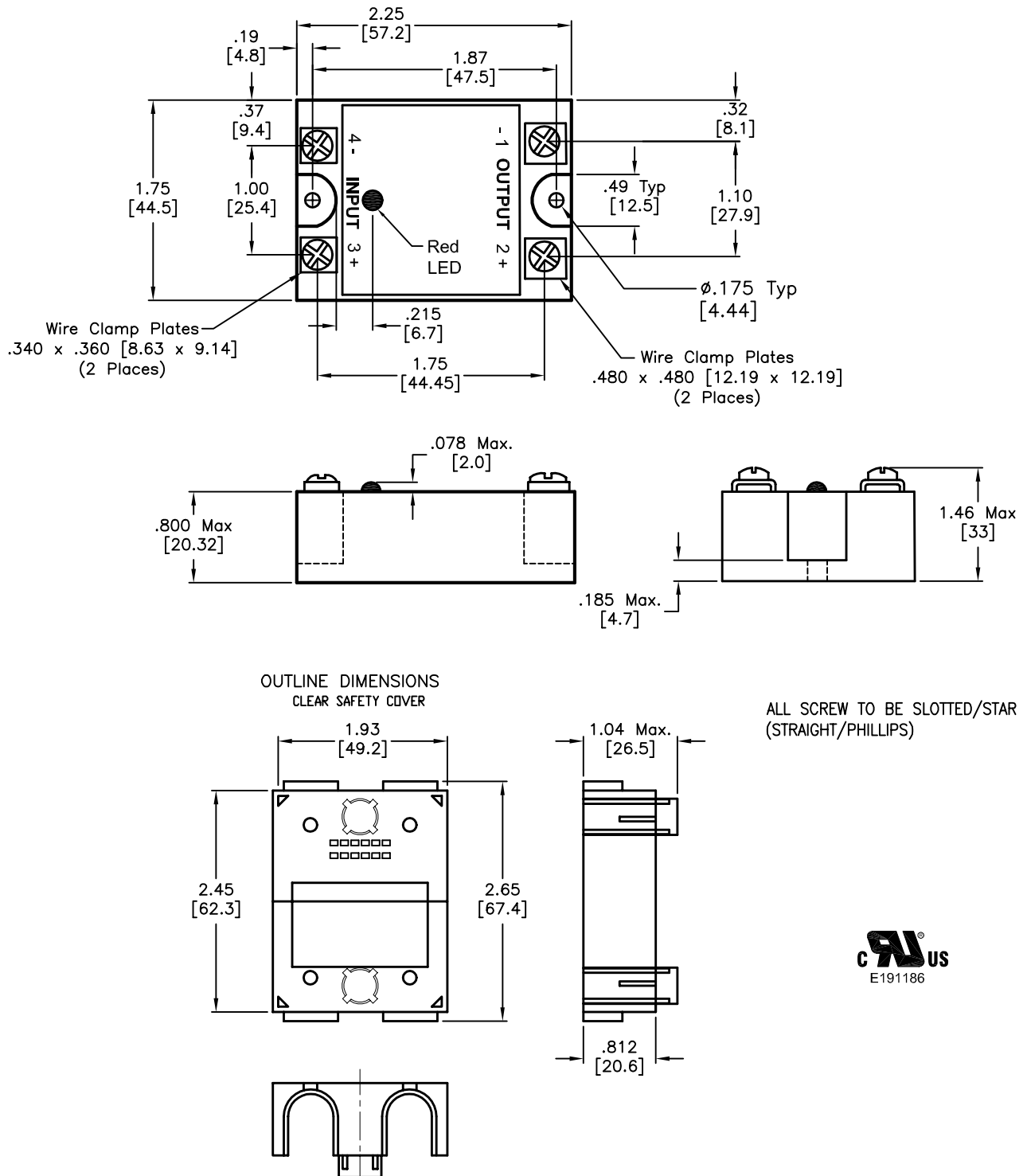


DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
844	A	Released	JWM	12/6/02	HO	1/28/03	DJC	1/28/03



SPC-F004.DWG

<b>TOLERANCES:</b>  Tolerances Unless Otherwise Specified: Decimal=±.005 Fractional=±.010	<b>DRAWN BY:</b> Jeff McVicker	<b>DATE:</b> 12/6/02	<b>DRAWING TITLE:</b> Solid State Relay, 40 Amps, SPST-NO, AC SCR Output			
	<b>CHECKED BY:</b> Hisham Odish	<b>DATE:</b> 1/28/03	<b>SIZE</b> A	<b>DWG. NO.</b> SPC9684	<b>ELECTRONIC FILE</b> 95B0429.dwg	<b>REV</b> A
	<b>APPROVED BY:</b> Daniel Carey	<b>DATE:</b> 1/28/03	<b>SCALE:</b> NTS		<b>U.O.M.:</b> INCHES [mm]	<b>SHEET:</b> 1 OF 2

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### Solid State Relay Specification

<b>Input Characteristics</b>	
Input Voltage	3 to 32Vdc
Must Release Voltage	1Vdc
Nominal Input Impedance	Current Regulator
Typical Input Current @ 5VDC	16mA
Reverse Polarity Protection	Yes
<b>Output Characteristics</b>	
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/ $\mu$ S
Rated Load Current (rms)	40A
UL Incandescent Lamp Ampere Rating	30A
UL Motor Load Rating	14A
Min. Load Current to Maintain On	250mA
Non-Repetitive Surge Current (1 cycle)	625A
Max. RMS Overload Current (1 second)	80A
Max. Off State Leakage Current (rms)	10mA
Typical On State Voltage Drop	1.6Vac
Max. On State Voltage Drop (rms)	1.6Vac
Maximum Turn-On Time	1/2 cycle
Maximum Turn-Off Time	1/2 cycle
Maximum 12T for Fusing (Asquared sec.)	625A
<b>Miscellaneous Characteristics</b>	
Thermal Resistance J to C Tj=155° °C/W	0.9
Suggested Heatsink °C/W	0.2
Dielectric Strength	4000Vrms
Insulation Resistance	10 <sup>10</sup> ohms
Operating Temperature Range	-40°C to +80°C
Storage Temperature Range	-40°C to +100°C
Weight	100g
LED	Red
Input Terminals	M3.5
Output Terminals	M4
Safety Cover	Yes
Wire Clamp Plates	Yes

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SIZE DWG. NO.

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SPC9684

ELECTRONIC FILE

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

SCALE: NTS

U.O.M.: INCHES [mm]

SHEET: 2 OF 2