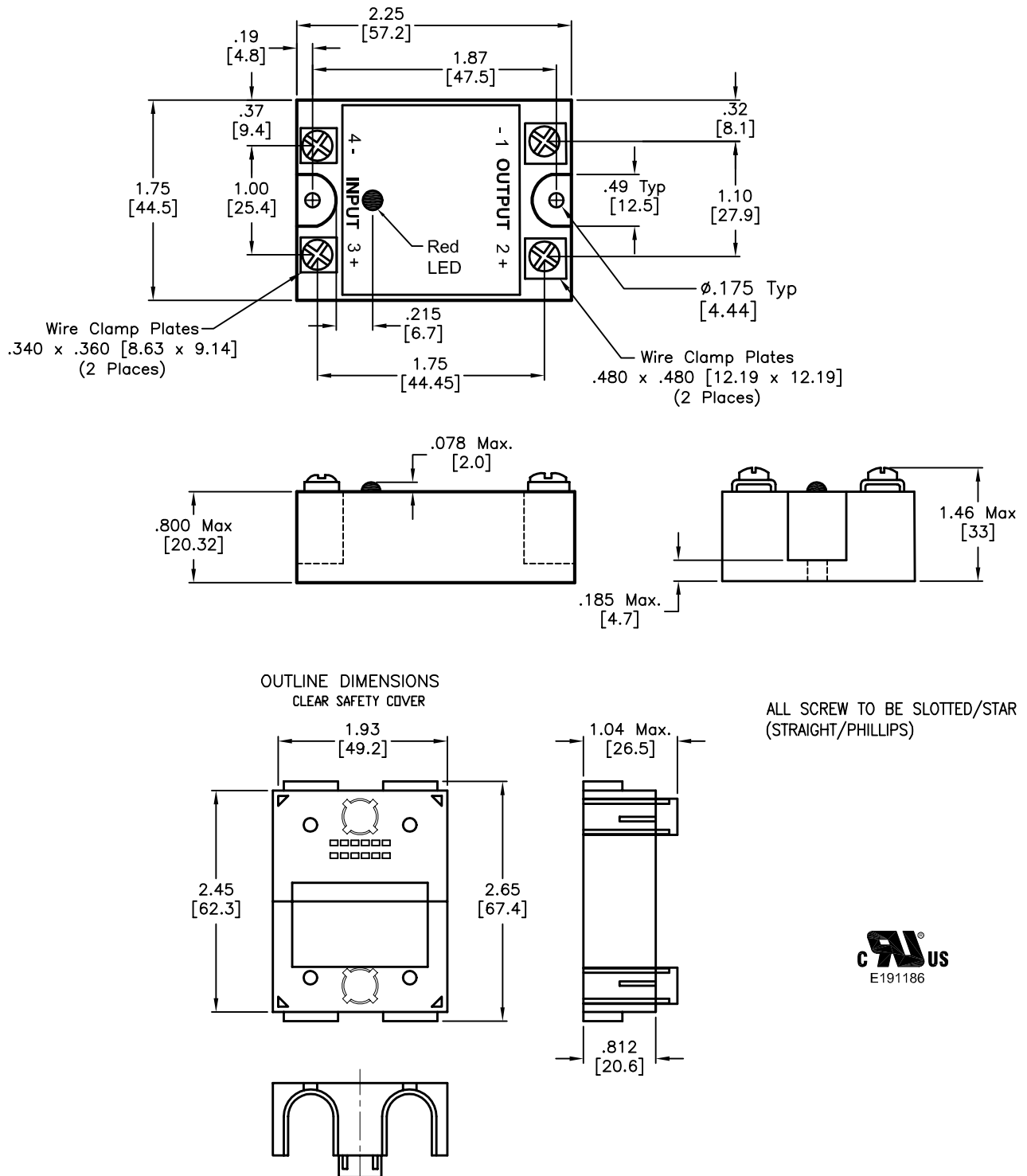


DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
844	A	Released	JWM	4/3/03	HO	4/3/03	JC	4/3/03



SPC-F004.DWG

TOLERANCES: Tolerances Unless Otherwise Specified: .XX = ±.010 .XXX = ±.005	DRAWN BY: Jeff McVicker	DATE: 4/3/03	DRAWING TITLE: Solid State Relay, 25Amps, SPST-NO, AC SCR Output			
	CHECKED BY: Hisham Odish	DATE: 4/3/03	SIZE A	DWG. NO. SPC9670	ELECTRONIC FILE 95B0398.dwg	REV A
	APPROVED BY: John Cole	DATE: 4/3/03	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)	25A
UL Incandescent Lamp Ampere Rating	16A
UL Motor Load Rating	8A
Min. Load Current to Maintain On	120mA
Non-Repetitive Surge Current (1 cycle)	250A
Max. RMS Overload Current (1 second)	40A
Max. Off State Leakage Current (rms)	8mA
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.)	312
Miscellaneous Characteristics	
Thermal Resistance J to C Tj=155° °CW	1.02
Suggested Heatsink °CW	0.5
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	100g
LED	Red
Input Terminals	M3.5
Output Terminals	M4
Safety Cover	Yes
Wire Clamp Plates	Yes

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SPC-F004.DWG

SIZE DWG. NO.

A

SPC9670

ELECTRONIC FILE

95B0398.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