

# DC TO AC (ALTERNISTOR TRIAC)

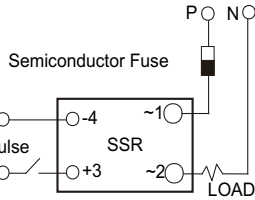
## 808 Model

CE  
EN- 60947 - 5 - 1

## 801 Model

⇔35mm Din Rail mounting

### Connection Diagram



Check the SSR by connecting the load only otherwise without load SSR terminals 1 & 2 will show live on tester



S.S.R. Weight : @35 gms.

Enclosure Material :  
Glass filled nylon (Flame Retardant)

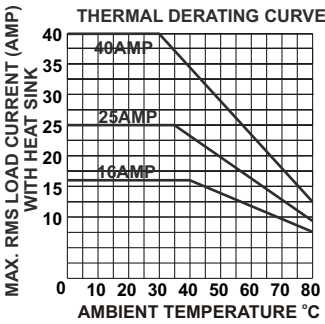
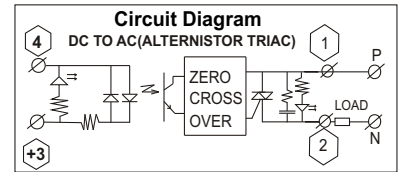


S.S.R. Weight : @95 gms.

- ⇔ IP-20 protection by removable touch-proof housing enclosure.
- ⇔ Surface Mount Technology.
- ⇔ Screw attach with stamped washer are vibration free, tighten firmly with power lugs.

- ⇔ Power wiring by round lugs/Fork lugs/pin lugs or direct with wire Suitable upto 4 sq. mm lugs(808 model).
- ⇔ Epoxy coated SSR.
- ⇔ Panel mounted S.S.R.,

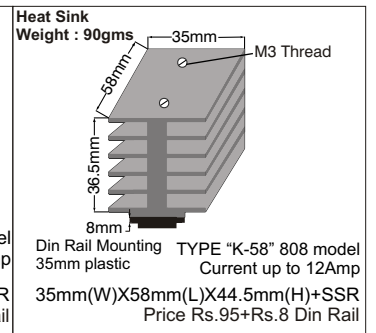
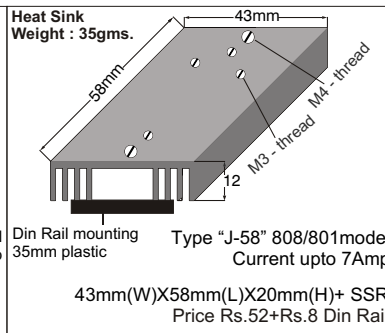
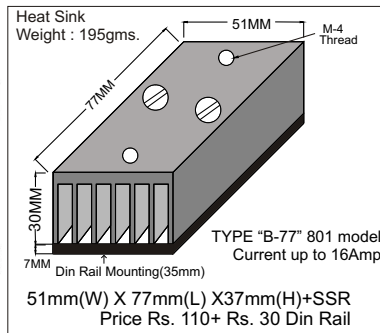
- ⇔ Opto Isolation 2500Vrms True Zero Cross Over
- ⇔ Virtually free from EMI / RFI
- ⇔ Input LED indication/ Output reverse LED Indication



SSR TYPE NO	OUTPUT		Load Current at 55°C with Heat Sink	Fusing current I <sup>2</sup> T	Type of Heat Sink	Indian@ Rs./Each 100nos>
	Voltage	Current amp AC51-20°C				
<b>DC TO AC INPUT : 4VDC TO 32VDC, Min. 4mA - Max.16mA,</b>						
801	ZDA 33 25 00	24 to 25	18Amp	312A <sup>2</sup> S	B	290.00
801	ZDA 33 40 00	440VAC	28Amp	450A <sup>2</sup> S	C/B	390.00
808	ZDA 48 16 00	PIV	10Amp	128A <sup>2</sup> S	J	230.00
808	ZDA 48 25 00	800VPK	16Amp	312A <sup>2</sup> S	K	260.00
808	ZDA 48 40 00		18Amp	450A <sup>2</sup> S	K	350.00

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### 801 MODEL WITH REMOVABLE IP20 TOUCH-PROOF COVER

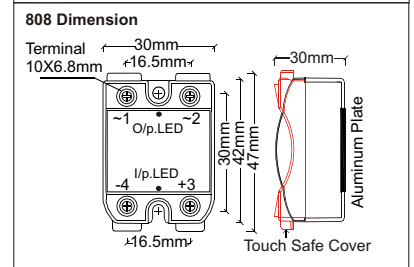
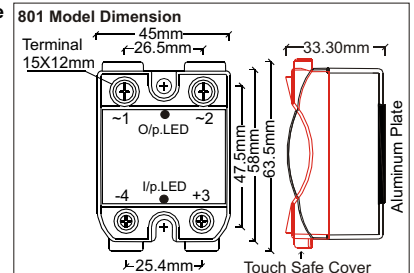


- ⇔ Input TTL Compatibility optionally CMOS Compatibility
- ⇔ Output to body 4kV~ isolation
- ⇔ Noise less without chattering and fast Switching

- ⇔ Arcless Switching
- ⇔ Heat Sink + Din Rail Mounting (35mm)
- ⇔ Reverse polarity protection
- ⇔ Output N/O configuration
- ⇔ Inbuilt snubber
- ⇔ Power factor response up to 0.2(Optionaly)

### Technical Data

Output circuit - Switching element		Alternistor Triac			
Operational voltage range	Vrms	24-330VAC/480VAC			
Peak inverse voltage	Vpk	800Vpk			
Rated operational current	IT	AC 51-20°C	16AAC	25AAC	40AAC
		For utilization category AC53a-55°C	-	-	-
Frequency range	HZ	45-65Hz			
Max. off-state leakage current	mA	< 5 mArms			
Minimum load current holding current	IHO	50 mA	75 mA	75 mA	
Rated peak withstand current (t=10 ms)	ITSM	160A	250A	300A	
Max. Zero voltage turn on	Vpk	15	15	15	
Max. load integral I <sup>2</sup> dt (t= 10 ms)	I <sup>2</sup> t	128A <sup>2</sup> S	312A <sup>2</sup> S	450A <sup>2</sup> S	
Voltage drop in on-state	VTM	1.5V	1.6V	1.7V	
Critical current gradient	di/dt	50A/μs	50 A/μs	50A/μs	
Critical voltage gradient	Dv/dt	500 V/μs	500 V/μs	500 V/μs	
Thermal resistance Rth (Junction to case) DC	ΘJC	2.1	2.0	1.2	
Power factor	Cosφ	0.85(at 600VAC)			
Maximum barrier-layer temperature		125 °C			
Input circuit-control circuit /rated control supply voltage		4-32VDC			
Make voltage / Break voltage		3.8VDC/1.2VDC			
Max. current consumption		16mA			
Switching times max zero cross over make/break		1period/1period			
Ambient temperature range operation		-30...+80 °C			
Test voltage between all isolated circuits (type test)		2.5kVA			
Electrical connection wire size		O/p. 16sqmm (max.), I/p. 4sqmm(max.)			



Note : Prices & Specifications are subject to change without prior notice.