

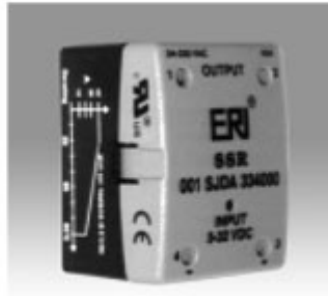
Single Phase SSR (240VAC)  
10 ~ 40 Amps

INPUT : DC Control,  
OUTPUT : Triac output

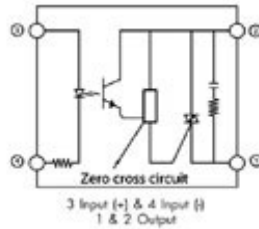
ERI®



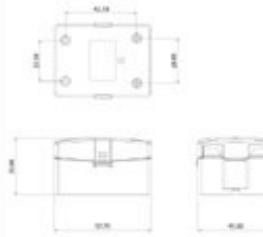
Series : 001 J/K



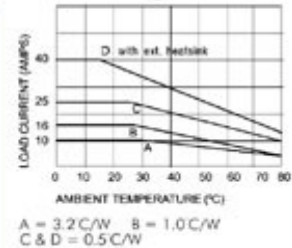
Schematic



Mechanical Drawing



Derating Curve



For Heatsink details refer to "Recommended Heatsink" chart

### Salient Features

- Opto Isolation 2500 VAC
- Zero Voltage Turn On/Random Turn On
- TTL/CMOS Compatible (Sink mode)
- Output : NO/NC Configuration
- Safety cover provision
- Built-In Snubber
- Chassis Mountable/DIN Mountable with Integral heatsink
- Reverse Voltage Protection

Electrical Specification @ TA = 25°C

Note: For Random T - On SSR, add letter 'K' in place of 'J'.

ELECTRICAL SPECIFICATIONS			PRODUCT PART NUMBERS			
Parameter	Symbol	Unit	001 JDA 331000	001 JDA 331600	001 JDA 332500	001 JDA 334000
Control Volt Range		Vdc	3-32	3-32	3-32	3-32
Control Curr Range		m A	1-20	1-20	1-20	1-20
Pick-Up Voltage		Vdc	3.0	3.0	3.0	3.0
Drop-Out Voltage		Vdc	1.0	1.0	1.0	1.0
Input Resistance		Kohms	1.8	1.8	1.8	1.8
<b>Rms On State Current</b>	<b>I<sub>T</sub></b>	<b>A</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>40</b>
Mains Control Volt	Vrms	Vac	24-330	24-330	24-330	24-330
Rep Peak Off State Voltage	Vdrm	Vpk	600	600	600	600
Off State Leakage Curr	Idrm	mA	10	10	10	10
Zero T-On Voltage		Vpk	25	25	25	25
On state Voltage Drop	V <sub>ts</sub>	Vac	1.6	1.6	1.85	1.85
Peak one Cycle Surge Curr(Non Rep)	I <sub>TSM</sub>	A	100	160	250	300
Holding Current	I <sub>H</sub>	m A	75	75	150	150
Critical Rate of Rise of Off State Voltage	dv/dt	V/μs	200	200	250	250
Thermal Resistance	R <sub>TH</sub>	°C/W	3.4	2.5	1.5	1.2
Frequency Range	f	Hz	47 ~ 63	47 ~ 63	47 ~ 63	47 ~ 63
Turn-On	T-On	ms	10	10	10	10
Turn -Off	T- Off	ms	10	10	10	10
Operating Temp	T Oper	°C	-30 to +80	-30 to +80	-30 to +80	-30 to +80
Fusing Current	I <sub>T</sub>	A <sup>2</sup> S	50	120	300	400

\*Our policy is one of continuous development and specifications are subject to change without notice. Warranty is limited to a period of one year for relay value only.