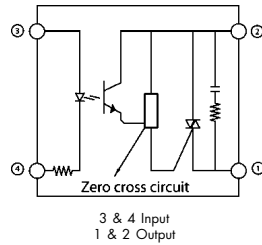


Single Phase SSR (440VAC)
10 ~ 40 Amps

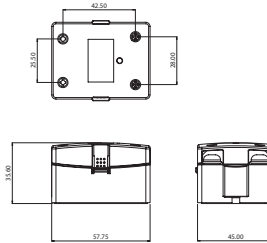
INPUT : AC Control,
OUTPUT : Triac output



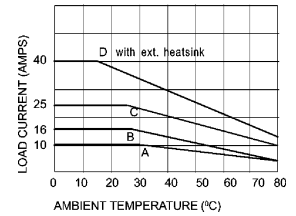
Schematic



Mechanical Drawing



Derating Curve



A = 3.2°C/W B = 1.0°C/W
C & D = 0.5°C/W

For Heatsink details refer to
"Recommended Heatsink" chart

Salient Features

- Opto Isolation 2500 VAC • Zero Voltage Turn On/Random Turn On • Output : NO/NC Configuration
- Safety cover provision • Built-In Snubber • Chassis Mountable / DIN Mountable with Integral heatsink.

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 JAA 481028	001 JAA 481628	001 JAA 482528	001 JAA 484028
Control Volt Range		Vac	90-280	90-280	90-280	90-280
Control Curr Range		m A	9-18	9-18	9-18	9-18
Pick-Up Voltage		Vac	90	90	90	90
Drop-Out Voltage		Vac	45	45	45	45
Input Resistance		K Ohms	20	20	20	20
Rms On State Current	I_T	A	10	16	25	40
Mains Control Volt	V _{rms}	Vac	48-480	48-480	48-480	48-480
Rep Peak Off State Voltage	V _{drm}	Vpk	800	800	800	800
Off State Leakage Curr	I _{drm}	mA	10	10	10	10
Zero T-On Voltage		VpK	25	25	25	25
On state Voltage Drop	V _{TM}	Vac	1.6	1.6	1.85	1.85
Peak one Cycle Surge Curr(Non Rep)	I _{TSM}	A	100	160	250	300
Holding Current	I _H	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 _{TH}	°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	40	40	40	40
Turn -Off	T-Off	ms	80	80	80	80
Operating Temp	T Oper	°C	-30 to +80	-30 to +80	-30 to +80	-30 to +80
Fusing Current	I _T ²	A ² 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.

Series : 001 J/K

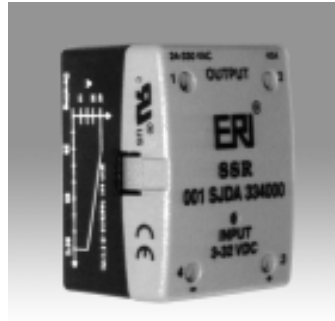
Input

Output

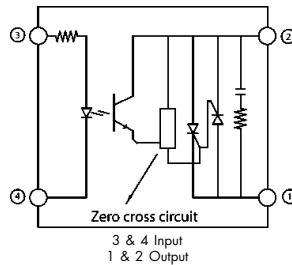
Single Phase SSR (440VAC)
10 ~ 40 Amps

INPUT : AC Control,
OUTPUT : Back-to-Back SCR

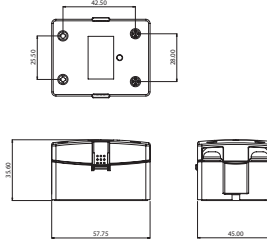
ERI®



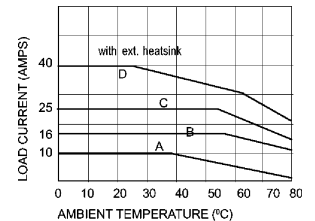
Schematic



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
- Output : NO/NC Configuration
- Suitable for inductive loads
- Built-In Snubber
- Safety cover provision
- Chassis Mountable / DIN Mountable with Integral heatsink.

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 SJAA 481028	001 SJAA 481628	001 SJAA 482528	001 SJAA 484028
Control Volt Range		Vac	90-280	90-280	90-280	90-280
Control Curr Range		m A	9-18	9-18	9-18	9-18
Pick-Up Voltage		Vac	90	90	90	90
Drop-Out Voltage		Vac	45	45	45	45
Input Resistance		kohms	13(typ)	13(typ)	13(typ)	13(typ)
Rms On State Current	I_T	A	10	16	25	40
Mains Control Volt	V _{rms}	Vac	48-480	48-480	48-480	48-480
Peak Off State Voltage	V _{drm}	Vpk	800	800	800	800
Off State Leakage Curr	I _{drm}	mA	10	10	10	10
Zero T-On Voltage		Vpk	35	35	35	35
On state Voltage Drop	V _{TM}	Vac	1.6	1.6	1.6	1.6
Peak one Cycle Surge Curr(Non Rep)	I _{TSM}	A	100	160	500	500
Holding Current	I _H	m A	50	70	120	250
Critical Rate of Rise of Off State Voltage	dv/dt	V/μs	200	500	500	500
Thermal Resistance	R _{TH}	°C/W	2.0	1.6	1.0	0.88
Frequency Range	f	Hz	47 ~ 63	47 ~ 63	47 ~ 63	47 ~ 63
Turn-On	T-On	ms	40	40	40	40
Turn-Off	T-Off	ms	80	80	80	80
Operating Temp	T Oper	°C	-30 to +80	-30 to +80	-30 to +80	-30 to +80
Fusing Current	I _T ²	A²S	50	128	220	560

*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.

Series : 001 SJ/K

Input

Output