Features

Four independent AC output solid state relays in one standard package.
5-15 VDC input control.
Zero voltage and random voltage turn-on versions.
2500V rms optical isolation.
Quick connect style terminals.

Ordering Information

S A G 24 20 *

JEENDA SSR model Number

A= AC solid State Relay

G= 5-15VDC input ,GE= 15-28 VDC input ,Quad AC output 4 Form A (4 SPST-NO).

Load Voltage: 24 = 24-240VAC
48 = 48-480VAC

Max Current of load:25A、40A

Turn-on Type: NIL=Zero-On, R=Random-on.

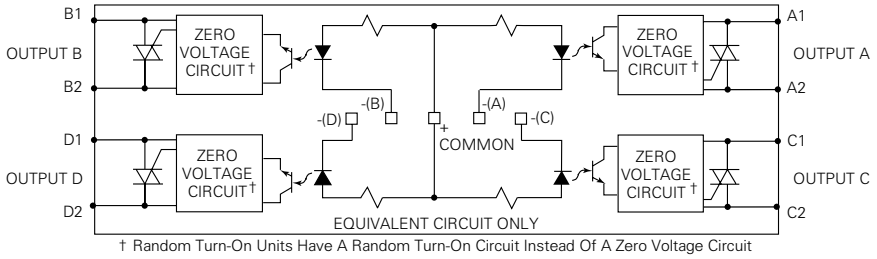
Input Specifications

Parameter	Units	Zero V or Random V Turn-on Units	
Control Voltage Range VIN	VDC	5-15	15-28
Must Operate Voltage VIN (OP) (Min.)	VDC	5	15
Must Release Voltage VIN (REL) (Min.)	VDC	1	1
Typical Input Current	mA DC	12mA @5VDC	15mA @24VDC
Input Resistance	Ohms	330	1500

Output Specifications

Parameter	Conditions	Units	
Load Voltage Range V_L		V rms	24-280
Repetitive Blocking Voltage (Min.)		V peak	+/-600
Load Current Range I_L *	Resistive	A rms	0.15-20
Single Cycle Surge Current (Max.)		A peak	250
Leakage Current (Off-State) (Max.)	f=60 Hz. V_L = 280V rms	mA rms	10
On-State Voltage Drop (Max.)	I_L = Max.	V peak	1.6
Static dv/dt (Off-State) (Min.)	V_L = 280V rms	V/μs	200
Thermal Resistance, Junction to Baseplate ($R_{\theta J-B}$) (Max.)	All Sections On	°C/W	1.2
Turn-On Time (Max.)	f = 60 Hz.	Ms	8.3 for Zero Voltage Turn-On Models 0.1 for Random Voltage Turn-On Models
Turn-Off Time (Max.)	f = 60 Hz.	Ms	8.3
I^2t Rating	t = 8.3 ms	A^2Sec.	260
Load Power Factor Rating	I_L = Max.		0.5 - 1.0

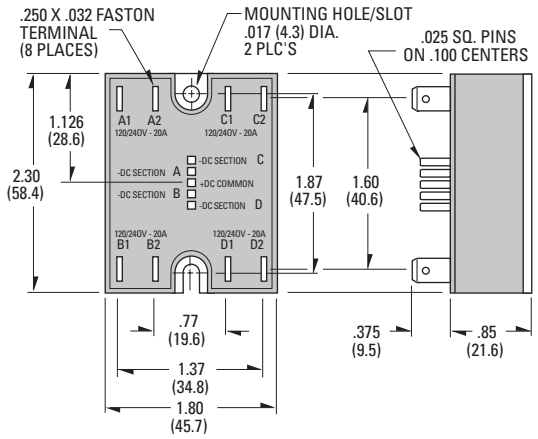
Operating Diagram



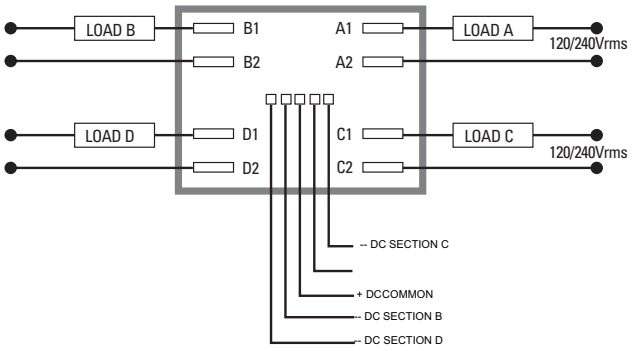
† Random Turn-On Units Have A Random Turn-On Circuit Instead Of A Zero Voltage Circuit

Outline Dimensions

All dimensions are in inches (millimeters)



WIRING DIAGRAM



Electrical Characteristics (Thermal Derating Curves)

How To Use These Curves

Knowing maximum load current and maximum ambient temperature, use derating curves to determine required heat sink and maximum allowable base plate temperature. On left hand power dissipation curve, locate the point corresponding to maximum load current. Extend a line to the right from that point to the intersection of vertical line on right hand chart corresponding to maximum ambient temperature. From heat sink curve, read directly or extrapolate required heat sink size. Extend the line farther to the right and read on the right hand scale the maximum allowable base plate temperature.