

>> Solid State Relays and Relay Modules <<

Sai Control System offers wide range of **Solid State Relays**.

Solid State Relay is a static electronic switch unlike in an electromechanical relay where switching takes place between two moving contacts, Switching in SSR takes place across the junction of semiconductor device. Devices are Triac or Thyristor for AC switching & Transistor for DC switching. In most SSRs galvanic separation is achieved by Optocouplers equipped with integrated trigger circuit. (optotriac) provide the switching function required for the corresponding load type.

Sai Control Manufacture SSRs from current rating 2A to 150 Amp.
Output Voltage : 240 v or 600 VAC.
DC output relays with rating 110 VDC 10 Amp. to 100 Amp.



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Relay Modules

Relay modules are available like 2/4/8/16 channel with base with fuse protection, Relay O/p = 1C/o / 2C/o contacts.



Input (Control)

Specifications	Min.	Max.	Units
Control Voltage Range	3	32	VDC
	75	240	VAC
Input Current - 40° C < ta < 80°C		20	mA
Turn off Voltage - 30 c < ta < 80 C		1	VDC
		4	VAC
Turn on Voltage - 40 C < ta < 80 C	75	260	VAC
Isolation (Input to Output, Input to case Output to case)		10	OHMS

Output (Load)

Specifications	Min.	Max.	Units
Output Current rating with heat sink	0.05	10 25	AMPS
		15,40,60	RMS
Load Voltage rating	25	480	VAC (RMS)
Frequency rang	47	70	Hz
Surge Current rating (20ms) at 40 amp type	425		AMP
Over voltage rating (transient peak)	1200		V Peak