

Switching Relays — SCR Output

Zero switching solid state relays offering up to 1600 Vp non-repetitive peak voltage. They provide high current carrying capabilities for operational voltages up to 660 VAC. Normally open, back-to-back SCR outputs are utilized in the output circuitry to reduce leakage current. UL recognized, CSA certified, RoHS compliant, CE compliant.

- ▶ Green LED Indicator
- ▶ Protective Touch Safe Cover
- ▶ Built-In MOV Protection
- ▶ Direct Copper Bonding and SMD Technology
- ▶ No Internal Mechanical Stress (No Potting)
- ▶ AC and/or DC Control Voltage



- ▶ Up to 100 Amp Switching Capability
- ▶ Up to 660 VAC Switching
- ▶ Up to 1600 Vp Non-Repetitive Voltage

Two-Pole SCR Zero Switching Relays

Zero switching solid state relays offering two isolated outputs, which can be controlled by separate 4.5 to 32 VDC control signals, which are input via fast-on terminals. Up to 1200 Vp non-repetitive peak voltage. Two LEDs indicate the control status of each pole. Normally open, back-to-back SCR outputs are utilized in the output circuitry to reduce leakage current. UL and cUR recognized, RoHS compliant, and CE compliant.

- ▶ 25 or 40 Amp SCR Outputs
- ▶ 4.5 to 30 VDC Control Voltage
- ▶ Two Outputs Can Be Controlled Separately and Are Isolated from One Another
- ▶ Two LEDs, One for Each Input Signal
- ▶ Easy Installation via Fast-On Terminals



4.5-32 VDC Control Voltage

Stock No.	Mfr.'s Type	Line VAC	Amps	EACH
70014252	RM1A23D25	42-265	25	43.42
70014253	RM1A23D50	42-265	50	49.48
70014254	RM1A23D75	42-265	75	78.73
70014255	RM1A48D25	42-530	25	51.46
70014256	RM1A48D50	42-530	50	58.53
70014257	RM1A48D75	42-530	75	86.81
70014258	RM1A48D100	42-530	100	126.20
70014259	RM1A60D25	42-660	25	59.54
70014260	RM1A60D50	42-660	50	71.66
70014261	RM1A60D100	42-660	100	142.36

4.5-32 VDC Control Voltage

Stock No.	Mfr.'s Type	Line VAC	Amps	EACH
70014333	RA2A23D25	230	25	52.47
70014334	RA2A23D40	230	40	59.54
70014335	RA2A48D40	480	40	64.59

20-280 VAC/22-48 VDC Control Voltage

Stock No.	Mfr.'s Type	Line VAC	Amps	EACH
70014262	RM1A23A25	42-265	25	44.43
70014263	RM1A23A50	42-265	50	50.49
70014264	RM1A23A75	42-265	75	80.75
70014265	RM1A23A100	42-265	100	128.22
70014267	RM1A48A50	42-530	50	64.59
70014268	RM1A48A75	42-530	75	92.87

Low Cost TRIAC or Alternistor Output Relays

Economical zero switching TRIAC output for less demanding resistive load applications. 4.5-32 VDC control voltage. Relays featuring LED indication and touch proof cover. The 10 A SSRs feature a TRIAC output, whereas the 25 and 40 A versions feature an alternistor output. Non-repetitive voltage: Up to 1200 Vp. UL recognized, CSA certified, RoHS compliant, CE compliant. 18-36 VAC/VDC control voltage types are also available. Contact your local Allied sales office.

- ▶ Dimensions (mm): 58.2 x 44.8 x 28.8
- ▶ Ideal for Ohmic Loads
- ▶ Control Input Range: 4-32 VDC
- ▶ Max. Input Current: 12 mA
- ▶ Terminals: Screw-Type with Clamp
- ▶ Approvals/Marks: CE, UL, CSA



DC Switching Relay

Transistor output, 3-32 VDC control. CSA certified, RoHS compliant and CE compliant. The DC switching relay is used in applications in which there is a need for fast switching of small DC loads. The DC output transistor switches ON and OFF in accordance with the applied control voltage.

- ▶ Dimensions (mm): 58.2 x 44.8 x 28.8
- ▶ Ideal for DC Valve Coils
- ▶ Control Input Range: 3-32 VDC
- ▶ Max. Input Current: 32 mA
- ▶ Terminals: Screw-Type with Clamp



Stock No.	Mfr.'s Type	Line VDC	Amps	EACH
70014828	RD0605-D	3-60	5	66.61
70014829	RD2001-D	3-200	1	87.82

4.5-32 VDC Control Voltage

Stock No.	Mfr.'s Type	Line VAC	Amps	EACH
70014271	RS1A23D10	42-265	10	29.28
70014272	RS1A23D25	42-265	25	31.30
70014275	RS1A48D25	42-530	25	43.42
70014276	RS1A48D40	42-530	40	49.48

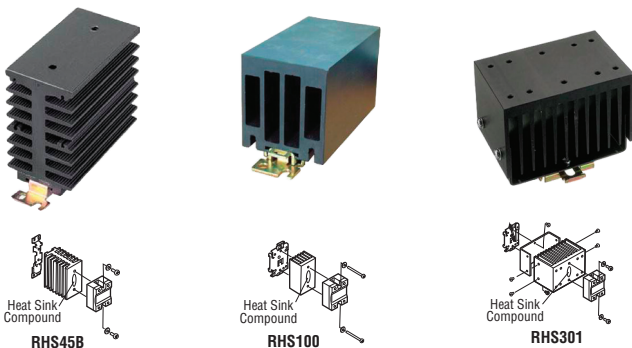
Phase Angle Fired Analog Switching Relays

Ideally suited for "phase angle" control of resistive loads, such as heater bands or incandescent lamps. The relay switches off every time the current crosses zero and switches the load voltage proportionally with the applied analog control current. The SSR has a touch-proof cover and an LED, which illuminates proportionally to the input signal. Back-to-back SCR output, up to 660 VAC, controlled by a 4-20 mA DC or 0-10 VDC signal. The voltage controlled types also have a pin connection in addition to the standard four control/load terminals. UL recognized, CSA certified, RoHS compliant, CE compliant.

- ▶ 4-20 mA or 0-10 VDC Control Input Range
- ▶ 58.2 x 44.8 x 28.8 mm
- ▶ Built-In Varistor
- ▶ Screw Clamp Terminals
- ▶ CE, UL, CSA Approvals



Heat Sink Kits for Chassis Mount SSRs



Heat sink kits provide DIN rail mounting capabilities of most chassis mount SSRs with a single or three phase footprint. Kits delivered with heat sink, DIN rail adapter, thermally conductive compound and all necessary hardware

Stock No.	Mfr.'s Type	Description	Max. °C/W	EACH
70014277	RHS45B	Heat sink for one single phase SSR	2.00	51.46
70014831	RHS100*	Heat sink for one single phase SSR	3.00	47.46
70014832	RHS301*	Heat sink for one or two SSRs single phase SSRs or one three phase SSR	0.80	112.06

*RHS100 and RHS301 are for DIN rail mounting only.

Voltage Controlled Relays

Stock No.	Mfr.'s Type	Control Input	Line VAC	Amps	EACH
70014385	RM1E23V25	0-10 VDC	90-280	25	112.06
70014386	RM1E23V50	0-10 VDC	90-280	50	145.39
70014387	RM1E23V100	0-10 VDC	90-280	100	225.18
70014388	RM1E48V25	0-10 VDC	390-550	25	119.13
70014389	RM1E48V50	0-10 VDC	390-550	50	149.95
70014390	RM1E48V100	0-10 VDC	390-550	100	241.34
70014391	RM1E60V25	0-10 VDC	410-600	25	125.19
70014392	RM1E60V50	0-10 VDC	410-600	50	160.54
70014393	RM1E60V100	0-10 VDC	410-600	100	257.50

Current Controlled Relays

Stock No.	Mfr.'s Type	Control Input	Line VAC	Amps	EACH
70014216	RM1E23AA25	4-20 mA	90-280	25	105.95
70014217	RM1E23AA50	4-20 mA	90-280	50	142.36
70014218	RM1E23AA100	4-20 mA	90-280	100	214.07
70014336	RM1E48AA25	4-20 mA	390-550	25	114.08
70014337	RM1E48AA50	4-20 mA	390-550	50	150.44
70014338	RM1E48AA100	4-20 mA	390-550	100	231.24
70014219	RM1E60AA25	4-20 mA	410-600	25	122.16
70014220	RM1E60AA50	4-20 mA	410-600	50	159.53
70014221	RM1E60AA100	4-20 mA	410-600	100	249.42