

SOLID STATE RELAYS

PCB TYPE

PCB mounting SSR's with single in line pins are particularly suited to A.C. switching applications requiring long life and high reliability. The switching is silent, causes no arcing and is unaffected by vibration and corrosive atmospheres.

FEATURES

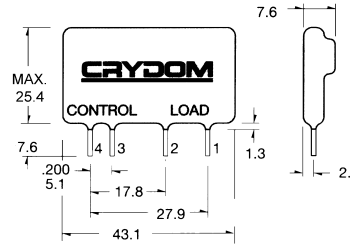
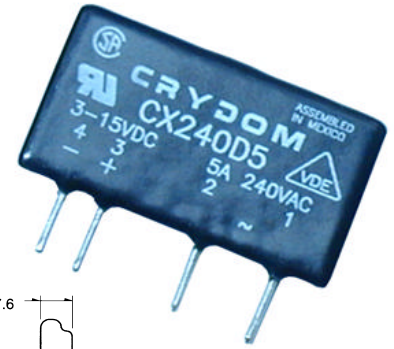
- ? PCB Mount; Single in Line Package.
- ? Optically Isolated.
- ? Input LED Indicator.
- ? High dv/dt and High Blocking Voltage.
- ? Low Input power Consumption, TTL and CMOS Compatible.
- ? Zero Voltage Turn-on, Zero Current Turn-off (minizes EMI/RFI)
- ? High Surge Rating Allows Lamp and Motor Load Switching
- ? Built-in Snubber Network

Part Numbers	Output Type	Load Current I _r (Aac)	Surge Current (A _{PK})	Load Voltage V _{ac}	Control Voltage V	Must Release Voltage
CX240D5	SCR	0.06 - 5.0A	250A	12-280V	3.0 - 15 VDC	1.0VDC
CX240A5	SCR	0.06 - 5.0A	250A	12-280V	90 - 140VAC	10VAC
D2W203F-11	TRIAC	0.06 - 3.0A	80A	12-280V	3.0 - 32VDC	1.0VDC
ESR-200-240-0300	TRIAC	0.6 - 30A	80A	24-280V	4.0 - 32VDC	1.5VDC



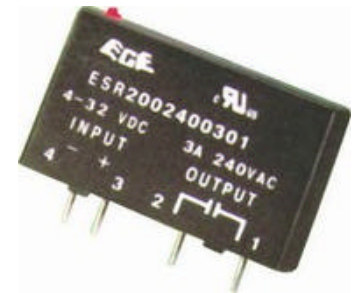
EXCEL CELL ELECTRONIC CORP.

UL APPROVAL:
E155181(R)



AC CONTROL
PIN 1: AC LOAD
PIN 2: AC LOAD
PIN 3: AC CONTROL
PIN 4: AC CONTROL

DC CONTROL
PIN 1: AC LOAD
PIN 2: AC LOAD
PIN 3: +DC CONTROL
PIN 4: -DC CONTROL



PANEL MOUNT TYPE

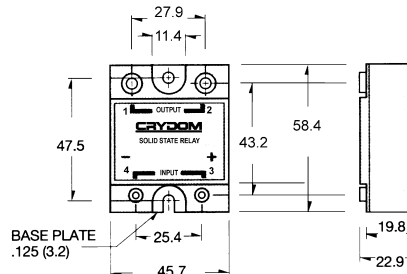
SSR's perform a similar function to that of mechanical relays. Insulation between the control and the load circuits is guaranteed by either an opto-coupler or a reed relay. A semiconductor (triac or thyristor) in the load circuit ensures reliable switching of a wide range of loads.

FEATURES

- ? Optically Isolated.
- ? Input LED Indicator.
- ? High dv/dt and High Blocking Voltage.
- ? Low Input power Consumption.
- ? TTL and CMOS Compatible.
- ? Zero Voltage Turn-on, Zero Current Turn-off (minizes EMI/RFI)
- ? High Surge Rating Allows Lamp and Motor Load Switching.
- ? Output Snubber Circuit Protection.
- ? Output - SCR AC switch.
- ? Input - DC control.
- ? Internal snubber



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Part Numbers	Load Current I _r (Aac)	Surge Current (A _{PK})	Load Voltage V _{ac}	Control Voltage V	Must Release Voltage
D2440	40A	350A	24-280	3-32VDC	600VPeak

REED RELAYS

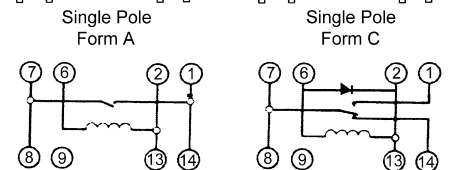
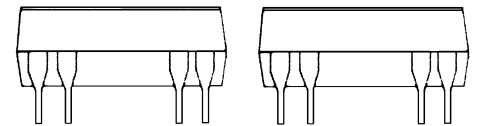
A range of encapsulated reed relays in dual-in-line packages with various contact ratings. Also available in diodes across the coil to protect the drive circuitry from back EMF.

FEATURES

- ? Dual In Line transfer moulded package
- ? Fully sealed construction.
- ? High contact reliability
- ? High speed operations.
- ? Standard DIL 14 pin package



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Other types
Also available

Part Numbers	Contact Form	Nominal Voltage (VDC)	Coil Resistance 10%	Must Operate (VDC)	Rated Current (mA)	Special Features
PG1A-5	SPST 1A	5V	500	3.75	500	Standard
PG1A-12	SPST 1A	12V	1000	9.00	500	Standard
D1C050D00	SPDT 1C	5V	200	3.75	250	With Diode
D1C120D00	SPDT 1C	12V	500	9.00	240	With Diode