



# Series CX241

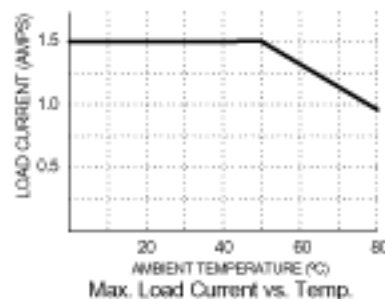
1.5 Amp • 120/240 Vac • AC Output Low Profile SIP

- Low Minimum Operating Current
- SCR Output
- Crydom's Patented Design

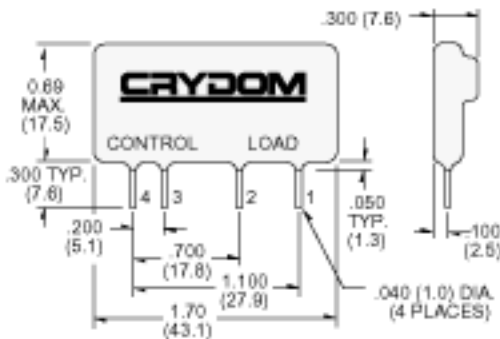
The CX241 AC Relays are 1.5A rated SPST-NO low profile SIP solid state relays offering the Series ASO circuit with the popular CXpin-out. They are designed for switching highly inductive, low current loads such as solenoids. Available in either zero voltage or random switching versions (R suffix).

Manufactured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

## CURRENT DERATING CURVE



MODEL NO.	CX241	CX241R
<b>INPUT SPECIFICATIONS ①</b>		
Control Voltage Range	4-10 Vdc	
Nominal Input Impedance	300 Ohm	
Typical Input Current @ 5 Vdc	15 mAdc	
Must Turn On Voltage	4.0 Vdc	
Must Turn Off Voltage	1.0 Vdc	
<b>OUTPUT SPECIFICATIONS ①</b>		
Operating Voltage Range (47-63 Hz)	12-280 Vrms	
Load Current Range	.025-1.5 Arms	
Transient Over-Voltage	600 Vpk	
Max. Surge Current, (16.6ms)	40 Apk	
Min. Off-State dV/dt @ Max. Rated Voltage ③	500 V/μsec	
Max. Off-State Leakage @ Rated Voltage	0.1 mArms	
Max. On-State Voltage Drop @ Rated Current	1.5 Vpk	
Max. Turn-On Time	1/2 cycle	0.1 msec
Max. Turn-Off Time	1/2 cycle	
Power Factor (Min.) With Max. Load	0.5	
<b>GENERAL SPECIFICATIONS</b>		
Dielectric Strength ②	4000 Vrms	
Insulation Resistance (Min.) @ 500 Vdc ②	10 <sup>9</sup> Ohm	
Max. Capacitance	8.0 pF	
Ambient Operating Temperature Range	-30 to 80°C	
Ambient Storage Temperature Range	-30 to 125°C	
<b>MECHANICAL SPECIFICATIONS</b>		
Weight: (typical)	0.4 oz. (11 g)	
Encapsulation:	Thermally Conductive Epoxy	



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

All dimensions are in inches (millimeters)

© 2002 CRYDOM CORP. Specifications subject to change without notice.

## GENERAL NOTES

- ① All parameters at 25°C unless otherwise specified.
- ② Dielectric and insulation resistance are measured between input and output.
- ③ Off-State dV/dt test method per EIA/NARM standard RS-443.



**National Plastic Heater Sensor & Control Co.**

phone: 416.491.8436 toll free: 1.877.674.9744 fax: 416.491.2433

Toronto, Ontario Canada e-mail: sales@nphheaters.com website www.nphheaters.com