

Crydom

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Form C

SOLID STATE RELAY, 6Adc, 15Adc, 15Aac, 40Aac
AC OR DC OUTPUT & DC OR DRY SWITCH CONTROL

- True Break-Before-Make Solid State Relay
- LED Indicators
- Internal Snubber Network Provided
- Opto-Isolated Input Circuits

The Form C Solid State Relays combine a precision timing control system and two Solid State Relays in one package. Internal logic switches off one load before switching on the second load. LED's indicate which loads are on.

The relays require a constant supply voltage independent of the switching signal or output load functions. If the constant supply is not applied, both sides of the relay will be open and both LED's will be off.

MODEL NUMBERS	DRY SWITCH CONTROL DC CONTROL	A2415-C D2415-C	A2440-C D2440-C	DC80S15-C	DC300S6-C	DC300S15-C
OUTPUT SPECIFICATIONS ①						
		AC OUTPUT		DC OUTPUT		
Load Voltage Range (47-63 Hz)		90-300 Vrms	2-80 Vdc	2-300 Vdc	2-300 Vdc	
Load Current Range		0.15-15 Arms	0.2-40 Arms	0.5-15 Adc	0.3-6 Adc	0.5-15 Adc
Max. Surge Current, (16.6ms) [Apk]		150	625	--	--	--
Max. Off-State Leakage Current @ Rated Voltage		5 mArms	10 mArms	5 mAdc	2 mAdc	5 mAdc
Maximum Voltage Drop (100% On) [Vpk]		1.6 Vpk		1.5 Vdc		
Transfer Time (break-before-make time)		8-16 msec	8-16 msec	10 msec	10 msec	10 msec

INPUT SPECIFICATIONS ①		DC CONTROL	DRY SWITCH CONTROL
Control Voltage Range		4.7-29 Vdc	Dry Closure
Nominal Input Impedance		2.7 K Ohms	N/A
Must Operate Voltage		4.7 Vdc	N/A
Must Release Voltage		1.0 Vdc	N/A
Constant Supply Input Range ②		4.7 - 29 Vdc	90 - 140 Vrms
Constant Supply Input Impedance		2.7k Ohms	5.5k Ohms

GENERAL NOTES

- ① All parameters at 25°C unless otherwise specified.
- ② Constant supply can be used as an On/Off switch for the normally closed side.

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For recommended applications and additional information call:

1-800-8 CRYDOM

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(818) 956-3900 • Fax (818) 956-3915



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Form C

SOLID STATE RELAY, 6A_{dc}, 15A_{dc}, 15A_{ac}, 40A_{ac}
AC OR DC OUTPUT & DC OR DRY SWITCH CONTROL

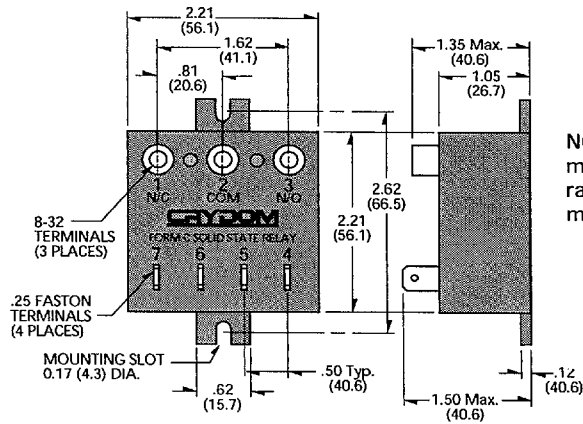
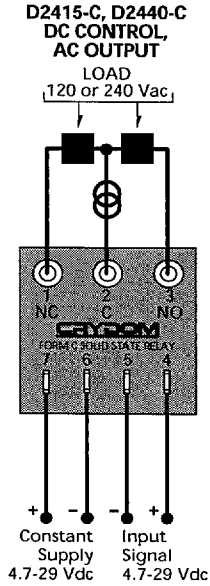
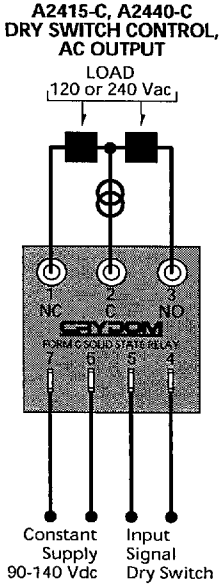


GENERAL SPECIFICATIONS

Dielectric Strength, Signal to Load	4000 Vrms
Dielectric Strength, Signal to Base	2500 Vrms
Ambient Operating Temperature Range	-30 to 80°C
Ambient Storage Temperature Range	-40 to 125°C

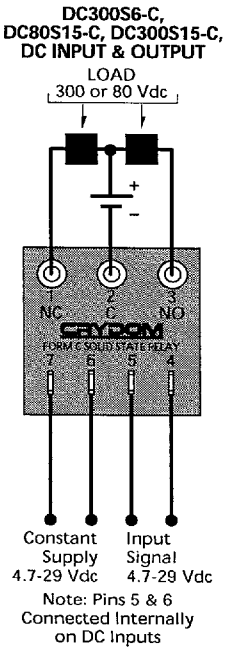
MECHANICAL SPECIFICATIONS

Weight: (typical)	5.1oz. (145g)
Encapsulation:	Thermally Conductive Epoxy
Terminals:	8-32 Screws and .25 Inch Fastons



NOTE: Relays must be mounted on appropriately rated heat sinks with thermally conductive grease.

All dimensions are in inches (millimeters)



CURRENT DERATING CURVES

