crydom™

Series 2

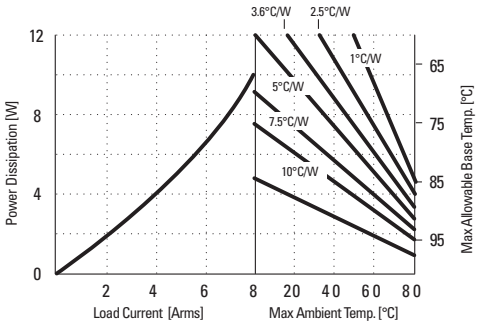
8Amp • 120, 240 Vac - AC OUTPUT

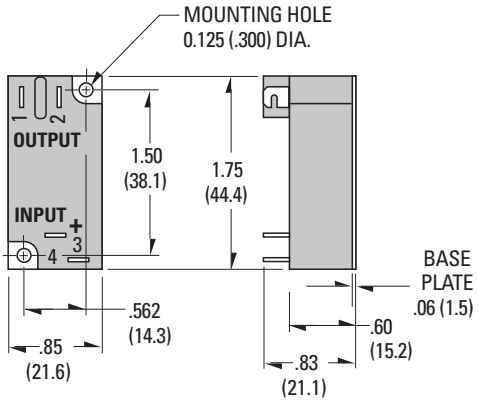
- **Zero Voltage Switching**
- **2500 Volt Isolation**
- **Panel Mount**
- **Triac Output**

Relays combine small size and high ratings in a package designed for easy heat sink or panel mounting. Standard .187 push-on terminals assure quick connection and are arranged to provide maximum isolation between signal and power circuits. Model S228C is a snubber- less design for applications that require low off-state leakage.

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

CURRENT DERATING CURVES





All dimensions are in inches (millimeters)

MODEL NUMBERS	S218	S228	S228C
OUTPUT SPECIFICATIONS ①			
Operating Voltage (47-63 Hz) [Vrms]	20-140	40-280	40-280
Max. Load Current Range [Arms]	.15-8.0	.15-8.0	.15-8.0
Transient Overvoltage [Vpk]	400	600	600
Max. Surge Current, (16.6ms) [Apk]	120	120	120
Max. On-State Voltage Drop @ Rated Current [Vpk]	1.6	1.6	1.6
Thermal Resistance Junction to Case ($R_{\theta JC}$) [°C/W]	1.5	1.5	1.5
Maximum I^2t for Fusing, (8.3 msec.) [A^2sec]	60	60	60
Max. Off-State Leakage Current @ Rated Voltage [mA]	4.0	4.0	0.1
Min. Off-State dv/dt @ Max. Rated Voltage [V/µsec] ②	200	200	200
Max. Turn-On Time	1/2 cycle	1/2 cycle	1/2 cycle
Max. Turn-Off Time	1/2 cycle	1/2 cycle	1/2 cycle
Power Factor (Min.) with Max. Load	0.5	0.5	0.5
INPUT SPECIFICATIONS ①			
Control Voltage Range		3.5-8.0	
Nominal Input Impedence		200 Ohm	
Max. Turn-On Voltage		3.5 Vdc	
Min. Turn-Off Voltage		1.0 Vdc	
Typical Input Current @ 5Vdc		18 mA	
GENERAL SPECIFICATIONS			
Dielectric Strength ②		2500 Vrms	
Insulation Resistance (Min.) @ 500 Vdc ②		10^9 Ohm	
Max. Capacitance		8.0 pF	
Ambient Operating Temperature Range		-30 to 80°C	
Ambient Storage Temperature Range		-30 to 125°C	
MECHANICAL SPECIFICATIONS			
Weight: (typical)		1.3 oz. (40 g)	
Encapsulation:		Thermally Conductive Epoxy	

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.

APPROVALS

UL E116949
CSA LR81689

CE

For recommended applications and more information contact:
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ISO 9001 CERTIFIED

ANNEX – ENVIRONMENTAL INFORMATION:

The environmental information disclosed in this annex including the EIP Pollution logo are in compliance with People's Republic of China Electronic Industry Standard SJ/T11364 – 2006, Marking for Control of Pollution Caused by Electronic Information Products.

Part Name	Toxic or hazardous Substance and Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Semiconductor die	X	O	O	O	O	O
Solder	X	O	O	O	O	O

附件 - 环保信息:

此附件所标示的包括电子信息产品污染图标的环保信息
符合中华人民共和国电子行业标准 SJ/T11364 - 2006,
电子信息产品污染控制标识要求

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
半导体芯片	X	O	O	O	O	O
焊接点	X	O	O	O	O	O