



Series PRG

150Amp • 120/240, 480 Vac • AC Output

- Zero Voltage and Random Turn-On Switching
- Extra High Steady-State Current
- Panel Mount
- Internal Snubber

Featuring state-of-the-art Surface Mount Technology, this SPST-NO relay delivers proven reliability in the most demanding applications. Output consists of an SCR AC switch and is available in zero-cross and random turn-on (phase controllable) versions.

Manufactured in Crydom's ISO 9002 Certified facility for optimum product performance and reliability.

MODEL NUMBERS	DC CONTROL AC CONTROL	PRGD24150 PRGA24150	PRGD48150 PRGA48150
OUTPUT SPECIFICATIONS ①			
Operating Voltage (47-63 Hz) [Vrms]		24-280	48-530
Load Current Range ③ [Arms]		.15-150	.15-150
Transient Overvoltage [Vpk]		600	1200
Max. Surge Current, (16.6ms) [Apk]		1750	1750
Max. On-State Voltage Drop @ Rated Current [Vpk]		1.7	1.7
Thermal Resistance Junction to Case (R _{θJC}) [°C/W]		0.15	0.15
Maximum I ² t for Fusing, (8.3 msec.) [A ² sec]		12,700	12,700
Max. Off-State Leakage Current @ Rated Voltage [mArms]		5	5
Min. Off-State dv/dt @ Max. Rated Voltage [V/μsec] ②		500	500
Max. Turn-On Time ④		1/2 cycle (DC Control), 10 msec (AC Control)	
Max. Turn-Off Time		1/2 cycle (DC Control), 40 msec (AC Control)	
Power Factor (Min.) with Max. Load		0.5	0.5

INPUT SPECIFICATIONS ①	DC (240V Models)	DC (480V Models)	AC
Control Voltage Range	3-15 Vdc	4-15 Vdc	90-140 Vac
Max. Turn-On Voltage	3.0 Vdc	4.0 Vdc	90 Vac
Min. Turn-Off Voltage	1.0 Vdc	1.0 Vdc	10 Vac
Nominal Input Impedance	300 Ohms	300 Ohms	14.1 Ohms
Typical Input Current	15 mA @ 5 Vdc	15 mA @ 5 Vdc	10 mA @ 120 Vac

GENERAL NOTES

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- ① All parameters at 25°C and per section unless otherwise specified.
 ② Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1
 ③ Heat sinking required, see derating curves on page 2.
 ④ Turn-On time for Random versions is 0.02 msec. (DC Control Models).



