

H12 WD Series

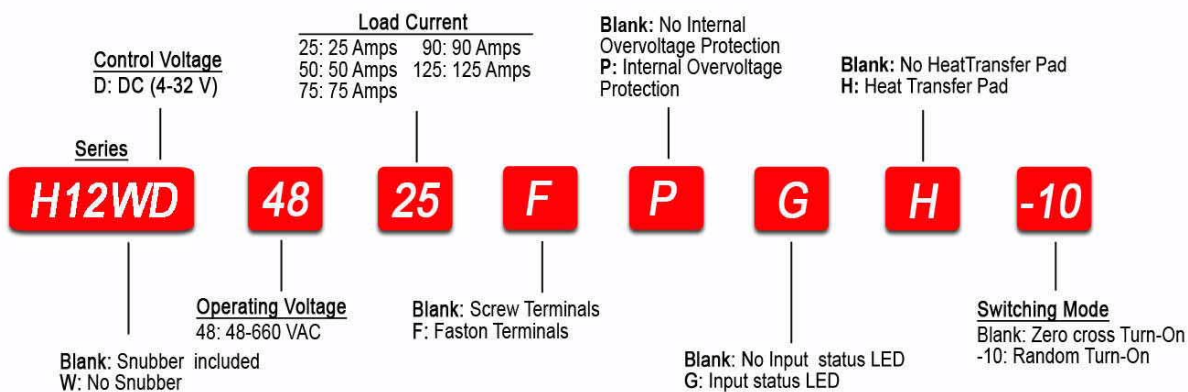


- Ratings from 25A to 125A @ 48-660 V AC
- SCR output for heavy industrial loads
- DC control
- Zero-crossing (resistive loads) or random-fire (inductive loads) output

PRODUCT SELECTION

Control Voltage	25A	50A	75A	90A	125A (6)
4-32 Vdc	H12WD4825	H12WD4850	H12WD4875	H12WD4890	H12WD48125(6)

AVAILABLE OPTIONS



OUTPUT SPECIFICATIONS (1)

Description	25A	50A	75A	90A	125A (6)
Operating Voltage (47-63Hz) [Vrms]	48-660	48-660	48-660	48-660	48-660
Transient Overvoltage [Vpk]	1200	1200	1200	1200	1200
Maximum Off-State Leakage Current @ Rated Voltage [mA rms]	1.0	1.0	1.0	1.0	1.0
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec] (2)	500	500	500	500	500
Maximum Load Current (3) [Arms]	25	50	75	90	125
Minimum Load Current [mA rms]	150	150	150	150	150
Maximum 1 Cycle Surge Current (50/60Hz) [A pk]	250/239	597/625	954/1000	1145/1200	1670/1750
Maximum On-State Voltage Drop @ Rated Current [Vpk]	1.6	1.6	1.6	1.6	1.7
Thermal Resistance Junction to Case (Rjc) [°C/W]	1.02	0.63	0.31	0.28	0.22
Maximum 1/2 Cycle I ² t for Fusing (50/60Hz) [A ² sec]	285/259	1779/1621	4555/4150	6560/5976	13950/12709
Minimum Power Factor (with Maximum Load)	0.5	0.5	0.5	0.5	0.5

crydom

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yxauto@126.com 现货**Data Sheet**
Panel Mount**INPUT SPECIFICATIONS (1)**

Description	DC Control
Control Voltage Range	4-32 VDC
Maximum Turn-On Voltage	4.0 VDC
Minimum Turn-Off Voltage	1.0 VDC
Typical Input Current	15 mADC (5)
Nominal Input Impedance	See Note 5
Maximum Turn-On Time [msec] (4)	1/2 Cycle
Maximum Turn-Off Time [msec]	1/2 Cycle

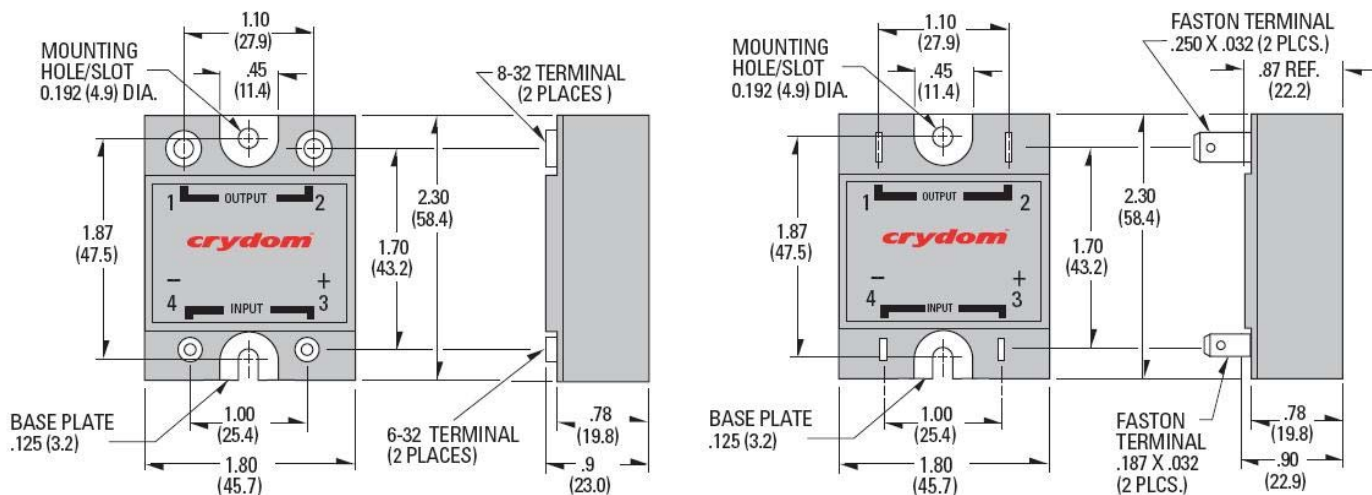
GENERAL SPECIFICATIONS

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz)	4000 Vrms
Minimum Insulation Resistance (@ 500 V DC)	10 ⁹ Ohm
Maximum Capacitance, Input/Output	8 pF
Ambient Operating Temperature Range	-40 to 80 °C
Ambient Storage Temperature Range	-40 to 125 °C
Weight (typical)	3 oz (86.5 g)
Encapsulation	Thermally conductive Epoxy
Terminals	Screw and saddle Clamps Furnished, Unmounted
Recommended Terminal Screw Torque Range:	6-32 Screws - 10 in./lbs. 8-32 & 10-32 Screws - 20 in. lbs. (Screws dry without grease)
Fastons:	Single pair (up to 25A) Double pair* (50A model only) Caution: User must connect to both pairs

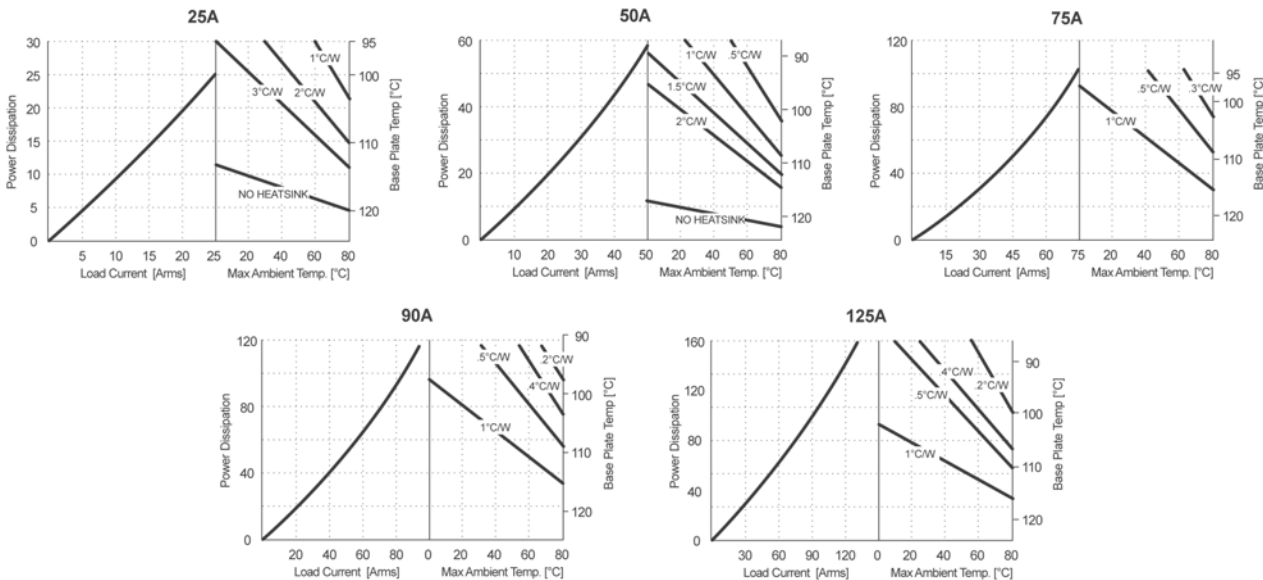
GENERAL NOTES

- 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, for derating curves see page 2.
- 4) Turn-on time for DC control random turn-on versions is 0.02 msec
- 5) Input circuitry version incorporates active current limiter.
- 6) CE Compliant only.

MECHANICAL SPECIFICATIONS



THERMAL DERATE INFORMATION



AGENCY APPROVALS

