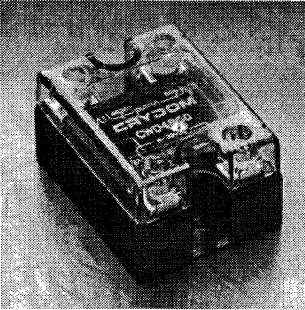


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Panel Mount

CW48 Series



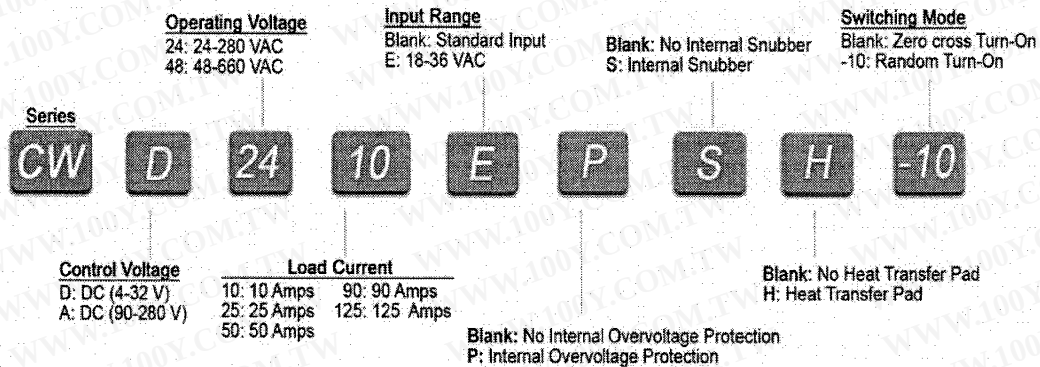
- ?The newest family to the SSR range; Ratings from 10A to 125A @ 12-660 VAC
- ?SCR output for heavy industrial loads
- ?EMC Compliant for reliable operation in harsh environments
- ?Removable IP 20 touch-safe cover
- ?DBC substrate for superior thermal performance
- ?LED input status indicator
- ?AC or DC input

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

PRODUCT SELECTION

Control Voltage	10A	25A	50A	90A	125A
3-32 VDC	CWD4810	CWD4825	CWD4850	CWD4890	CWD48125
90-280 Vrms	CWA4810	CWA4825	CWA4850	CWA4890	CWA48125
18-36 Vrms	CWA4810E	CWA4825E	CWA4850E	CWA4890E	CWA48125E

AVAILABLE OPTIONS



OUTPUT SPECIFICATIONS (1)

Description	10A	25A	50A	90A	125A
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 [mAms](6)	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) [Ams]	10	25	50	90	125
Minimum Load Current [Ams]	0.15	0.15	0.15	0.25	0.25
Maximum Surge Current (16.6ms) [Apk]	400	600	850	1350	2000
Maximum Surge Current (20ms) [Apk]	380	570	810	1290	1900
Maximum On-State Voltage Drop @ Rated Current [Vpk]	1.3	1.3	1.3	1.3	1.25
Thermal Resistance Junction to Case (Rjc) [°C/W]	0.35	0.35	0.2	0.14	0.13
Maximum I ² t for Fusing (8.3 msec) [A ² sec]	660	1500	3000	7560	16600
Minimum Power Factor (with Maximum Load)	0.5	0.5	0.5	0.5	0.5

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Data Sheet

Panel Mount

INPUT SPECIFICATIONS (1)

Description			
Control Voltage Range	3-32 VDC	18-36 Vrms	90-280 Vrms
Minimum Turn-On Voltage	3 VDC	18 Vrms	90 Vrms
Minimum Turn-Off Voltage	1.0 VDC	2 Vrms	10 Vrms
Typical Input Current	10 mA @ 12 VDC	24 mA @ 24 Vrms	6 mA @ 120 Vrms
Nominal Input Impedance	See note 7	1.0 k Ohm	21.5 k Ohms
Maximum Turn-On Time [msec] (4)(5)	1/2 Cycle	1/2 Cycle	1/2 Cycle
Maximum Turn-Off Time [msec] (5)	1/2 Cycle	1/2 Cycle	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 度C
Ambient Storage Temperature Range	-40 to 125 度C
Weight (typical)	3.0 oz (86.5 g)
Encapsulation	Thermally conductive Epoxy
Terminals	Screw Type, Finger Proof Output: 8-32, Combo Drive Input: 6-32, Combo Drive
Max. Torque	Output: 20 in lb (2.2Nm) Input: 10 in lb (1.1Nm)
Max. Wire Size	Output: 2 x AWG 8 (3.8mm) Input: 2 x AWG 12 (2.5mm)

GENERAL NOTES

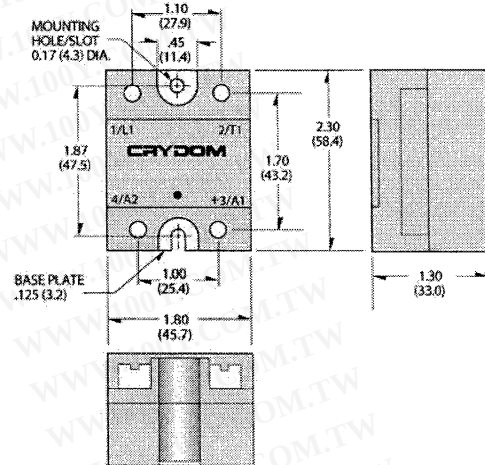
- 1) All parameters at 25 度C unless otherwise specified.
- 2) Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1
- 3) Heat sinking required, for derating curves see page 2.
- 4) Turn-on time for random turn-on version is 0.02 msec.
- 5) Turn-on and turn-off time for AC input models is 50 ms.
- 6) 10mA for models with snubber.
- 7) Input circuit incorporates active current limiter.
- 8) 48-530 VRMS for models with snubber.

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Panel Mount

MECHANICAL SPECIFICATIONS

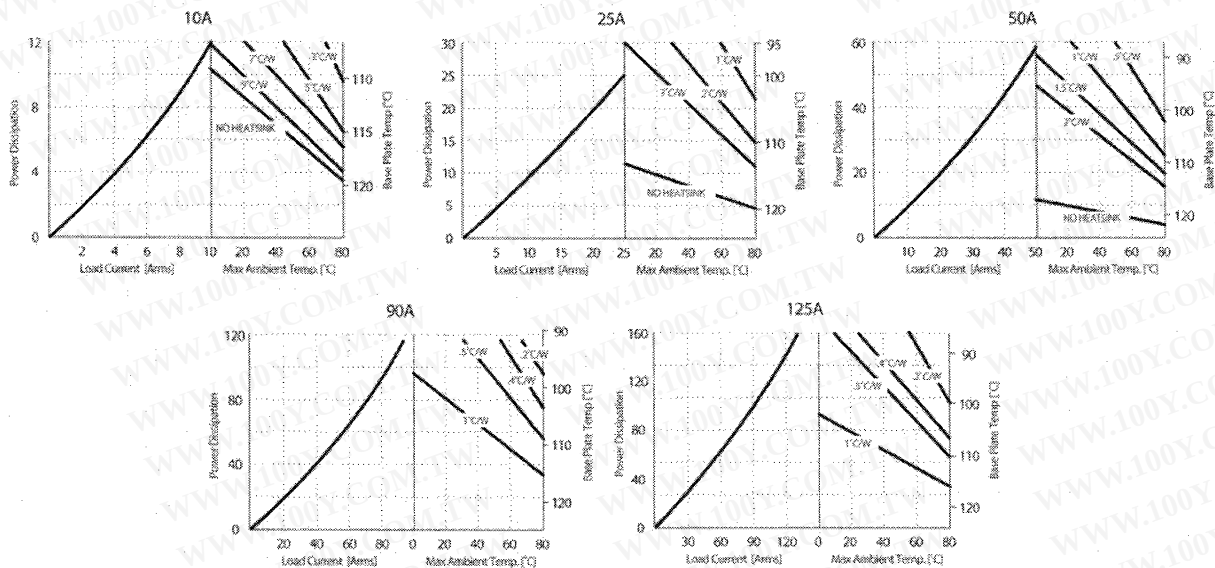
EMC Compatibility
 Input: EN61000-4-2, Level 3 ESD
 EN61000-4-4, Level 3 Burst
 Output: EN61000-4-2, Level 3 ESD
 Level 4 ESD (with P option)
 EN61000-4-4, Level 3 Burst
 Level 4 Burst (with P option)
 EN61000-4-5, Level 4 Surge



All dimensions are in inches (millimeters)

THERMAL DERATE INFORMATION

CURRENT DERATING CURVES



AGENCY APPROVALS

UL E116949
 CSA 1405925
 VDE 40007242
 CE

Rev. 071008