

The Global Expert in
**Solid State Switching
Technology**

CW SERIES UNIVERSAL AC/DC INPUT



CW Series AC Output high performance Solid State Relays

Now available with a Universal
AC/DC Input affording greater
flexibility ideal for OEM equipment
applications!

- IP20 "Touch safe" cover for additional user protection
- LED indicator for easy identification of control status
- Back-to-back SCR output provides added reliability

A classic made better!

CW Series

北京68008 911 深圳83656701 无锡81157933 天津87803363 上海36588205 现货查询

crydom®



CW Series AC Output Solid State Relays

- Heavy duty Solid State Relay with ratings from 10 to 125 Amps @ 12-280 VAC or 48-660 VAC
- Back-to-back SCR output provides added reliability in commercial and heavy industrial applications
- EMC compliant (LEVEL 3) for reliable operation in harsh electrical environments
- 3-32 VDC, 18-36 VAC or 90-280 VAC Control Voltage and universal AC/DC control of 20-280 VAC and 20-48 VDC
- LED indicator for easy identification of control status
- Available with Zero Voltage Turn-On (resistive loads) or Random Turn-On (phase control or inductive loads) output
- IP20 "touch safe" Cover provides additional user protection



Output Specifications (A)

	CWU24xx	CWU48xx
Operating Voltage (47-440Hz) [Vrms]	24-280	48-660
Transient Overvoltage [Vpk]	600	1200

Output Specifications (A)

	10A	25A	50A	90A	125A
Maximum Off-State Leakage Current @ Rated Voltage [mA rms]			1		
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec] (B)			500		
Maximum Load Current [A rms] (C)	10	25	50	90	125
Minimum Load Current [A rms]	0.15	0.15	0.15	0.25	0.25
Maximum 1 Cycle Surge Current (50/60) [A pk]	380/400	570/600	810/850	1290/1350	1900/2000
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 50/60Hz (1/2 cycle) [A ² sec]	720/660	1620/1500	3280/3000	8320/7560	18000/16600
Minimum Power Factor (with Maximum Load)			0.5		
HP Ratings: 120 VAC @ FLA	0.5 @ 9.8A	1 @ 16A	2 @ 24A	3 @ 34A	5 @ 56A
240 VAC @ FLA	1.5 @ 10A	3 @ 17A	5 @ 28A	7.5 @ 40A	10 @ 50A
480 VAC @ FLA (for CWU48xx only)	3 @ 8.5A	5 @ 14A	10 @ 21A	10 @ 26A	15 @ 34A
Wire Size min (solid/strand) [AWG/ IECmm ²]			20 / 0.518		
Wire Size max (solid/strand) [AWG/ IECmm ²]			2 x 10 / 5.3		
Load Terminal Screw Torque Range (min,max) in lbs/Nm			18-20 / 2.0-2.2		

Input Specifications (A)

	AC Input	DC Input
Control Voltage Range	20 - 280 VAC	20 - 48 VDC
Minimum Turn-On Voltage		19 V AC/DC
Must Turn-Off Voltage		5 V AC/DC
Minimum Input Current @ Minimum Voltage (for on-state)	13 mA AC @ 20 VAC	7 mA @ 20 VDC
Maximum Input Current @ Maximum Voltage	19 mA AC @ 280 VAC	11 mA @ 48 VDC
Nominal Input Impedance	Input circuit incorporates active current limiter	
Maximum Turn-On Time [msec] (C)	<17 ms	
Maximum Turn-Off Time [msec]	<30 ms	
Wire Size min (solid/strand) [AWG/ IECmm ²]	24 / 0.2	
Wire Size max (solid/strand) [AWG/ IECmm ²]	2 x 12 / 3.3	
Input Terminal Screw Torque Range (min,max) in lbs/Nm	8-10 / 0.9-1.1	
Status Indicator Display	GREEN	

General Specifications (A)

	CWUxxxx
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 (oz [gr])	3.0 [86.5]
SSR Mounting Torque (min,max), in lbs/Nm	18-20 / 2.0-2.2
Housing Material	PC 10% GFR, UL94 V-0
Baseplate Material	Aluminum

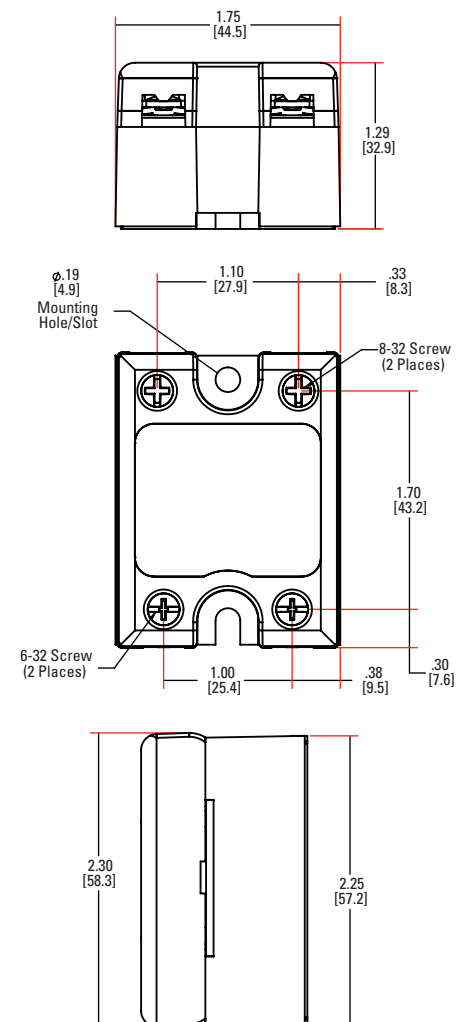
General Notes

- (A) All parameters at 25°C unless otherwise specified.
 (B) Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1.
 (C) Turn-on time for random version 7 msec.

Designed in accordance with the requirements of IEC 62314
 IEC 61000-4-2: Electrostatic Discharge – Level 3 (Level 4 with "P" option)
 IEC 61000-4-3: Radiated Electromagnetic Noise – Level 3
 IEC 61000-4-4: Electrically Fast Transients – Level 3 [Criteria B]
 IEC 61000-4-5: Electrical Surges – Level 3 [Criteria A] (Level 4 [Criteria B] with "P" option)
 IEC 61000-4-6: Conducted Electromagnetic Noise – Level 3

Mechanical Dimensions

Tolerances: ±0.02 in / 0.5 mm
 All dimensions are in: inches [millimeters]



Series	Control Voltage	Thermal Pad
CW	A: 90-280 VAC D: 4-32 VDC U: 20-48 VDC or 20-280 VAC AxxxxE: 18-36 VAC	Blank: Not Included H: Included
U		
48		
50		
E		
P		
H		
-10		
	Operating Voltage 24: 24-280 VAC 48: 48-660 VAC	Overvoltage Protection Blank: Not Included P: Included*
	Rated Load Current 10: 10 Amps 25: 25 Amps 50: 50 Amps 90: 90 Amps 125: 125 Amps	Switching Type Blank: Zero Voltage Turn-On -10: Random Turn-On

- Required for valid part number
 • For options only and not required for valid part number

* Relay will self trigger between 900-1200Vpk.
 Not suitable for Capacitive Loads.

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上海 021-36588205 天津 : 022-87803363 QQ : 270940479 ; 1904640213 ;

型号	控制电压	最大负载电流	线性电压范围
CWU2410	20-48 VDC/20-280 VAC	10 Amps	24-280 VAC
CWU2410-10	20-48 VDC/20-280 VAC	10 Amps	24-280 VAC
CWU2410H	20-48 VDC/20-280 VAC	10 Amps	24-280 VAC
CWU2410H-10	20-48 VDC/20-280 VAC	10 Amps	24-280 VAC
CWU2410P	20-48 VDC/20-280 VAC	10 Amps	24-280 VAC
CWU2410P-10	20-48 VDC/20-280 VAC	10 Amps	24-280 VAC
CWU2410PH	20-48 VDC/20-280 VAC	10 Amps	24-280 VAC
CWU2410PH-10	20-48 VDC/20-280 VAC	10 Amps	24-280 VAC
CWU24125	20-48 VDC/20-280 VAC	125 Amps	24-280 VAC
CWU24125-10	20-48 VDC/20-280 VAC	125 Amps	24-280 VAC
CWU24125H	20-48 VDC/20-280 VAC	125 Amps	24-280 VAC
CWU24125H-10	20-48 VDC/20-280 VAC	125 Amps	24-280 VAC
CWU24125P	20-48 VDC/20-280 VAC	125 Amps	24-280 VAC
CWU24125P-10	20-48 VDC/20-280 VAC	125 Amps	24-280 VAC
CWU24125PH	20-48 VDC/20-280 VAC	125 Amps	24-280 VAC
CWU24125PH-10	20-48 VDC/20-280 VAC	125 Amps	24-280 VAC
CWU2425	20-48 VDC/20-280 VAC	25 Amps	24-280 VAC
CWU2425-10	20-48 VDC/20-280 VAC	25 Amps	24-280 VAC
CWU2425H	20-48 VDC/20-280 VAC	25 Amps	24-280 VAC
CWU2425H-10	20-48 VDC/20-280 VAC	25 Amps	24-280 VAC
CWU2425P	20-48 VDC/20-280 VAC	25 Amps	24-280 VAC
CWU2425P-10	20-48 VDC/20-280 VAC	25 Amps	24-280 VAC
CWU2425PH	20-48 VDC/20-280 VAC	25 Amps	24-280 VAC
CWU2425PH-10	20-48 VDC/20-280 VAC	25 Amps	24-280 VAC
CWU2450	20-48 VDC/20-280 VAC	50 Amps	24-280 VAC
CWU2450-10	20-48 VDC/20-280 VAC	50 Amps	24-280 VAC
CWU2450H	20-48 VDC/20-280 VAC	50 Amps	24-280 VAC
CWU2450H-10	20-48 VDC/20-280 VAC	50 Amps	24-280 VAC
CWU2450P	20-48 VDC/20-280 VAC	50 Amps	24-280 VAC
CWU2450P-10	20-48 VDC/20-280 VAC	50 Amps	24-280 VAC
CWU2450PH	20-48 VDC/20-280 VAC	50 Amps	24-280 VAC
CWU2450PH-10	20-48 VDC/20-280 VAC	50 Amps	24-280 VAC
CWU2490	20-48 VDC/20-280 VAC	90 Amps	24-280 VAC
CWU2490-10	20-48 VDC/20-280 VAC	90 Amps	24-280 VAC
CWU2490H	20-48 VDC/20-280 VAC	90 Amps	24-280 VAC
CWU2490H-10	20-48 VDC/20-280 VAC	90 Amps	24-280 VAC
CWU2490P	20-48 VDC/20-280 VAC	90 Amps	24-280 VAC

快达固态继电器 Crydom 代理商全国 400 热线 4006-022-002 价格 PRICE
LIST

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CWU2490P-10	20-48 VDC/20-280 VAC	90 Amps	24-280 VAC
CWU2490PH	20-48 VDC/20-280 VAC	90 Amps	24-280 VAC
CWU2490PH-10	20-48 VDC/20-280 VAC	90 Amps	24-280 VAC
CWU4810	20-48 VDC/20-280 VAC	10 Amps	48-660 VAC
CWU4810-10	20-48 VDC/20-280 VAC	10 Amps	48-660 VAC
CWU4810H	20-48 VDC/20-280 VAC	10 Amps	48-660 VAC
CWU4810H-10	20-48 VDC/20-280 VAC	10 Amps	48-660 VAC
CWU4810P	20-48 VDC/20-280 VAC	10 Amps	48-660 VAC
CWU4810P-10	20-48 VDC/20-280 VAC	10 Amps	48-660 VAC
CWU4810PH	20-48 VDC/20-280 VAC	10 Amps	48-660 VAC
CWU4810PH-10	20-48 VDC/20-280 VAC	10 Amps	48-660 VAC
CWU48125	20-48 VDC/20-280 VAC	125 Amps	48-660 VAC
CWU48125-10	20-48 VDC/20-280 VAC	125 Amps	48-660 VAC
CWU48125H	20-48 VDC/20-280 VAC	125 Amps	48-660 VAC
CWU48125H-10	20-48 VDC/20-280 VAC	125 Amps	48-660 VAC
CWU48125P	20-48 VDC/20-280 VAC	125 Amps	48-660 VAC
CWU48125P-10	20-48 VDC/20-280 VAC	125 Amps	48-660 VAC
CWU48125PH	20-48 VDC/20-280 VAC	125 Amps	48-660 VAC
CWU48125PH-10	20-48 VDC/20-280 VAC	125 Amps	48-660 VAC
CWU4825	20-48 VDC/20-280 VAC	25 Amps	48-660 VAC
CWU4825-10	20-48 VDC/20-280 VAC	25 Amps	48-660 VAC
CWU4825H	20-48 VDC/20-280 VAC	25 Amps	48-660 VAC
CWU4825H-10	20-48 VDC/20-280 VAC	25 Amps	48-660 VAC
CWU4825P	20-48 VDC/20-280 VAC	25 Amps	48-660 VAC
CWU4825P-10	20-48 VDC/20-280 VAC	25 Amps	48-660 VAC
CWU4825PH	20-48 VDC/20-280 VAC	25 Amps	48-660 VAC
CWU4825PH-10	20-48 VDC/20-280 VAC	25 Amps	48-660 VAC
CWU4850	20-48 VDC/20-280 VAC	50 Amps	48-660 VAC
CWU4850-10	20-48 VDC/20-280 VAC	50 Amps	48-660 VAC
CWU4850H	20-48 VDC/20-280 VAC	50 Amps	48-660 VAC
CWU4850H-10	20-48 VDC/20-280 VAC	50 Amps	48-660 VAC
CWU4850P	20-48 VDC/20-280 VAC	50 Amps	48-660 VAC
CWU4850P-10	20-48 VDC/20-280 VAC	50 Amps	48-660 VAC
CWU4850PH	20-48 VDC/20-280 VAC	50 Amps	48-660 VAC
CWU4850PH-10	20-48 VDC/20-280 VAC	50 Amps	48-660 VAC
CWU4890	20-48 VDC/20-280 VAC	90 Amps	48-660 VAC
CWU4890-10	20-48 VDC/20-280 VAC	90 Amps	48-660 VAC
CWU4890H	20-48 VDC/20-280 VAC	90 Amps	48-660 VAC
CWU4890H-10	20-48 VDC/20-280 VAC	90 Amps	48-660 VAC

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CWU4890P-10	20-48 VDC/20-280 VAC	90 Amps	48-660 VAC
CWU4890PH	20-48 VDC/20-280 VAC	90 Amps	48-660 VAC
CWU4890PH-10	20-48 VDC/20-280 VAC	90 Amps	48-660 VAC

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