

## Crydom's Signature Solid State Relays — The Proven Performer



### Series — 1

Featuring state-of-the-art surface mount technology, these SPST-NO relays deliver proven reliability in demanding applications. Output consists of an SCR AC switch and is available in zero-cross, random turn-on (phase controllable) and normally closed (Form B) versions with either AC or DC input (coil) control. Available options include: Overvoltage protection, 400 Hz operation, LED indicator, normally closed operation and 1/4" quick connect terminals.

- ▶ AC or DC Control, SCR AC Output
- ▶ Outputs Normally Open Except as Indicated†
- ▶ Zero Voltage Turn-On Switching Except as Indicated
- ▶ 4000 Vrms Isolation Voltage
- ▶ Internal Snubber
- ▶ 600 V Transient Capability
- ▶ Panel Mount
- ▶ -30 to 80°C Operating Temperature Range
- ▶ UL, CSA, VDE Approved

#### AC Control

Stock No.	Mfr.'s Type	Line Voltage Range (VAC)	Load Current Range (Arms)	Control Voltage Range (VAC)	Surge Current 1-Cycle (Apk)	EACH
70130411	A1210	24-140	0.04-10	90-280	120.0	40.97
70130412	A1225	24-140	0.04-25	90-280	250.0	41.73
70130413	A1240	24-140	0.04-40	90-280	625.0	46.18
70130417	A2440	24-280	0.04-40	90-280	625.0	48.41
70131361	A24125	24-280	0.04-125	90-280	1750.0	100.76
70130415	A2410	48-280	0.04-10	90-280	120.0	43.02
70130416	A2425	48-280	0.04-25	90-280	250.0	43.84
70130418	A2450	48-280	0.04-50	90-280	625.0	49.63
70130419	A2475	48-280	0.04-75	90-280	1000.0	79.93
70131395	A2490	48-280	0.04-90	90-280	1200.0	87.65
70130421	A4825	48-480	0.04-25	90-280	250.0	56.80
70130422	A4840	48-480	0.04-40	90-280	625.0	63.50
70130423	A4850	48-480	0.04-50	90-280	625.0	63.50
70130424	A4875	48-480	0.04-75	90-280	1000.0	94.57
70130425	A4890	48-480	0.04-90	90-280	1200.0	98.69

#### DC Control

Stock No.	Mfr.'s Type	Line Voltage Range (VAC)	Load Current Range (Arms)	Control Voltage Range (VDC)	Surge Current 1-Cycle (Apk)	EACH
70130427	D1210	24-140	0.04-10.0	3-32	120.0	39.68
70130428	D1225	24-140	0.04-25.0	3-32	250.0	40.27
70130429	D1240	24-140	0.04-40.0	3-32	625.0	43.84
70131350	D1240-B†	24-140	0.04-40.0	3-32	625.0	52.38
70130432	D2440	24-280	0.04-40.0	3-32	625.0	46.47
70130442	D2440-10*	24-280	0.04-40.0	3-32	625.0	47.32
70131357	D24110	24-280	0.04-110.0	3-32	1500.0	82.63
70131358	D24110-10*	24-280	0.04-110.0	3-32	1500.0	83.49
70131359	D24125	24-280	0.04-125.0	3-32	1750.0	97.05
70130430	D2410	48-280	0.04-10.0	3-32	120.0	40.64
70130431	D2425	48-280	0.04-25.0	3-32	250.0	41.05
70130444	D2425-10*	48-280	0.04-25.0	3-32	250.0	41.91
70130433	D2450	48-280	0.04-50.0	3-32	625.0	47.95
70130443	D2450-10*	48-280	0.04-50.0	3-32	625.0	48.81
70130434	D2475	48-280	0.04-75.0	3-32	1000.0	76.62
70130519	D2490	48-280	0.04-90.0	3-32	1200.0	84.36
70130436	D4825	48-480	0.04-25.0	3-32	250.0	52.38
70130437	D4840	48-480	0.04-40.0	3-32	625.0	58.17
70130438	D4850	48-480	0.04-50.0	3-32	625.0	58.17
70130439	D4875	48-480	0.04-75.0	3-32	1000.0	92.87
70130440	D4890	48-480	0.04-90.0	3-32	1200.0	96.30
70131471	D4890-10*	48-480	0.04-90.0	3-32	1200.0	98.01

\*Non-zero cross, phase controllable. †Normally closed.

## 24-280 VAC — High Performance Solid State Relays



### CW24 Series

Crydom's CW24 line of solid state relays offer an SCR AC switch output featuring low offstate leakage (1 mA, snubberless), improved power ratings and lower power dissipation. With zero and random voltage switching and a broadened operating range (24-280 VAC), this relay permits optimum performance at both 120 and 240 VAC line voltages.

- ▶ 600 V Blocking
- ▶ Low Leakage
- ▶ SCR Output
- ▶ Zero and Random Voltage Switching
- ▶ LED Status Indicator
- ▶ Panel Mount
- ▶ Integrated Removable Fingerproof Cover
- ▶ User Friendly, Universal Connectors
- ▶ EMC Compliant Design
- ▶ Single Pole
- ▶ Normally Open Output

#### AC Control

Stock No.	Mfr.'s Type	Turn On	Load Current Range (Arms)	Line Voltage Range (Vrms)	Control Voltage Range (VAC)	EACH	
						1-9	10-49
70130449	CWA2410-10	Random	0.15-10	24-280	90-280	48.16	45.90
70130534	CWA2410E	Random	0.15-10	24-280	18-36	48.16	45.90
70130461	CWA2425	Zero-Cross	0.15-25	24-280	90-280	48.26	45.99
70130463	CWA2425-10	Random	0.15-25	24-280	90-280	49.11	46.80
70130537	CWA2425E	Random	0.15-25	24-280	18-36	49.11	46.80
70130474	CWA2450	Zero-Cross	0.15-50	24-280	90-280	57.09	54.41
70130475	CWA2450-10	Random	0.15-50	24-280	90-280	57.95	55.23
70130539	CWA2450E	Random	0.15-50	24-280	18-36	57.95	55.23

#### DC Control

Stock No.	Mfr.'s Type	Turn On	Load Current Range (Arms)	Line Voltage Range (Vrms)	Control Voltage Range (VDC)	EACH
70130483	CWD2410	Zero-Cross	0.15-10	24-280	3-32	44.72 42.62
70130486	CWD2425	Zero-Cross	0.15-25	24-280	3-32	45.19 43.07
70130487	CWD2425-10	Random	0.15-25	24-280	3-32	46.04 43.88
70130488	CWD2450	Zero-Cross	0.15-50	24-280	3-32	52.75 50.27
70130489	CWD2450-10	Random	0.15-50	24-280	3-32	53.61 51.09
70130490	CWD2490	Zero-Cross	0.25-90	24-280	3-32	92.76 88.40
70130491	CWD2490-10	Random	0.25-90	24-280	3-32	93.62 89.22
70130484	CWD24125-10	Random	0.25-125	24-280	3-32	107.61 102.55

## 48-660 VAC — High Performance Solid State Relays



### CW48 Series

Crydom's CW48 line of solid state relays offer an SCR AC switch output featuring low offstate leakage (1 mA, snubberless), improved power ratings and lower power dissipation. With zero and random voltage switching and a broadened operating range (48-660 VAC), this relay permits optimum performance from 240 to 660 VAC line voltages.

- ▶ 1200 V Blocking
- ▶ Low Leakage
- ▶ SCR Output
- ▶ Zero and Random Voltage Switching
- ▶ LED Status Indicator
- ▶ Panel Mount
- ▶ Integrated Removable Fingerproof Cover
- ▶ User Friendly, Universal Connectors
- ▶ EMC Compliant Design
- ▶ Single Pole
- ▶ Normally Open Output

#### AC Control

Stock No.	Mfr.'s Type	Turn On	Load Current Range (Arms)	Line Voltage Range (Vrms)	Control Voltage Range (VAC)	EACH	
						1-9	10-49
70130479	CWA4825-10	Random	0.15-25	48-660	90-280	64.20	61.18
70130480	CWA4850	Zero-Cross	0.15-50	48-660	90-280	69.85	66.57
70130540	CWA4850E	Zero-Cross	0.15-50	48-660	18-36	70.71	67.39
70130482	CWA4890	Zero-Cross	0.25-90	48-660	90-280	108.58	103.48
70130477	CWA48125	Zero-Cross	0.25-125	48-660	90-280	139.69	133.12

#### DC Control

Stock No.	Mfr.'s Type	Turn On	Load Current Range (Arms)	Line Voltage Range (Vrms)	Control Voltage Range (VDC)	EACH
70130492	CWD4810	Zero-Cross	0.15-10	48-660	4-32	54.39 51.83
70130494	CWD4825	Zero-Cross	0.15-25	48-660	4-32	57.62 54.91
70130495	CWD4825-10	Random	0.15-25	48-660	4-32	59.33 56.54
70130497	CWD4850	Zero-Cross	0.15-50	48-660	4-32	63.99 60.98
70130498	CWD4850-10	Random	0.15-50	48-660	4-32	65.70 62.61
70130507	CWD4890-10	Random	0.25-90	48-660	4-32	107.66 102.60
70130493	CWD48125	Zero-Cross	0.25-125	48-660	4-32	127.99 121.97

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