



CRYDOM SOLID STATE RELAYS

WE SEND YOU GENUINE CRYDOM RELAYS NOT SUBSTITUTES!!

- Life Expectancy - 1 Billion Operations
- Superior Thermal and Surge Ratings
- U.L., CSA, and VDE Approved
- AC and DC Wide Control Range

- Opto-Isolated 4000 V(RMS)
- Form A and B output switching
- Zero Cross Switching Standard
- Random Turn-on Relays Available to Order

ISO-9001
 MANUFACTURED IN A
 QUALITY SYSTEM CERTIFIED
 FACILITY.



General Description

Crydom's Series 1 premium line, solid-state power relays incorporate inverse-parallel SCR output devices in the original standard Crydom package with the same highly reliable, noise-immune drive circuitry that has been a Crydom feature for more than a decade. Snubbers are included for high dv/dt applications and inductive loads, with a choice of models offering zero-voltage switching to reduce high inrush currents and electrical noise or phase controllable models for random turn-on.

The oversized output chips, together with the Crydom optimized thermal management system, allows a narrower band of temperature excursions, resulting in a significant reduction in thermal fatigue, thereby extending relay life. These premium devices are recommended for use in high temperature, highly inductive load situations where the ultimate in thermal and surge performance is required.

DC INPUT MODELS

| PART NO. | MAXIMUM CURRENT | LINE VOLTAGE | INPUT VOLTAGE | PRICE EACH | |
|----------|-----------------|--------------|---------------|------------|----------|
| | | | | 1-11 | 12+ |
| D2410 | 10A | 24-280VAC | 3-32VDC | \$43.80 | \$41.75 |
| D2425 | 25A | 24-280VAC | 3-32VDC | \$46.65 | \$45.20 |
| D2440 | 40A | 24-280VAC | 3-32VDC | \$50.80 | \$48.60 |
| D2450 | 50A | 24-280VAC | 3-32VDC | \$52.75 | \$50.15 |
| D2475 | 75A | 24-280VAC | 3-32VDC | \$70.70 | \$67.75 |
| D2490 | 90A | 24-280VAC | 3-32VDC | \$77.80 | \$74.45 |
| D24110 | 110A | 24-280VAC | 3-32VDC | \$82.60 | \$78.60 |
| D24125 | 125A | 24-280VAC | 3-32VDC | \$92.50 | \$88.20 |
| D4825 | 25A | 48-530VAC | 3-32VDC | \$50.25 | \$47.90 |
| D4840 | 40A | 48-530VAC | 3-32VDC | \$56.55 | \$54.00 |
| D4850 | 50A | 48-530VAC | 3-32VDC | \$59.95 | \$57.05 |
| D4875 | 75A | 48-530VAC | 3-32VDC | \$86.30 | \$82.85 |
| D4890 | 90A | 48-530VAC | 3-32VDC | \$92.35 | \$88.10 |
| HD48110 | 110A | 48-530VAC | 3-32VDC | \$102.90 | \$98.40 |
| HD48125 | 125A | 48-530VAC | 3-32VDC | \$111.80 | \$106.90 |

AC INPUT MODELS

| PART NO. | MAXIMUM CURRENT | LINE VOLTAGE | INPUT VOLTAGE | PRICE EACH | |
|----------|-----------------|--------------|---------------|------------|----------|
| | | | | 1-11 | 12+ |
| A2410 | 10A | 24-280VAC | 90-280VAC | \$40.30 | \$38.55 |
| A2425 | 25A | 24-280VAC | 90-280VAC | \$42.05 | \$40.20 |
| A2440 | 40A | 24-280VAC | 90-280VAC | \$44.15 | \$42.15 |
| A2450 | 50A | 24-280VAC | 90-280VAC | \$48.35 | \$45.45 |
| A2475 | 75A | 24-280VAC | 90-280VAC | \$74.90 | \$71.65 |
| A2490 | 90A | 24-280VAC | 90-280VAC | \$84.05 | \$80.20 |
| A24110 | 110A | 24-280VAC | 90-280VAC | \$91.05 | \$86.90 |
| A24125 | 125A | 24-280VAC | 90-280VAC | \$96.65 | \$92.20 |
| A4825 | 25A | 48-530VAC | 90-280VAC | \$54.40 | \$52.00 |
| A4840 | 40A | 48-530VAC | 90-280VAC | \$60.80 | \$58.20 |
| A4850 | 50A | 48-530VAC | 90-280VAC | \$61.30 | \$58.60 |
| A4875 | 75A | 48-530VAC | 90-280VAC | \$88.65 | \$84.70 |
| A4890 | 90A | 48-530VAC | 90-280VAC | \$94.50 | \$90.25 |
| HA48110 | 110A | 48-530VAC | 90-280VAC | \$107.35 | \$102.70 |
| HA48125 | 125A | 48-530VAC | 90-280VAC | \$120.05 | \$114.90 |

ALWAYS USE A HEAT SINK AND HEAT SINK COMPOUND BETWEEN THE RELAY AND HEAT SINK FOR PROPER HEAT DISSIPATION. HEAT SINKS AND HEAT SINK COMPOUND AVAILABLE - SEE BEYOND.



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