

For Complete Product Specifications

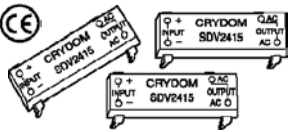
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AC Series SDV, SDI, DPA

1-1.5 Amp; 120, 240 VAC; 16 Pin DIP Package

- High-Density, DC Control, SCR Output
- Switching: Zero-Cross, Random Turn-On (R Suffix)
- Dimensions (L × W × H): 0.85" × 0.265" × 0.19" (21.6 × 6.7 × 4.8 mm)
- UL, CSA, VDE Approved
- FAX-ON-DEMAND — Code: 101, 102



This series of compact 16 pin DIP solid state relays are rated at 1.0 - 1.5 amp RMS at ambient temperatures up to 40 °C. The package is perfect for high density printed circuit boards. Your choice of either voltage or current operated versions are offered. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (VAC):** 4000.

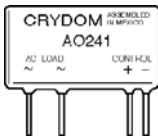
| Stock No. | Mfr.'s Type | Operating Voltage Range (Vrms) | Transient Over Voltage (Vp) | Max. Load Current @ 40 °C (Arms) | Control Current Range (VDC) | EACH |
|-----------|-------------|--------------------------------|-----------------------------|----------------------------------|-----------------------------|------|
| 682-8104  | SDV2415     | 12-280                         | 600                         | 1.5                              | 3.5-10                      | 7.13 |
| 682-4068  | DPA4119     | 20-140                         | 400                         | 1.0                              | 3.5-10                      | 5.15 |
| 682-4069  | DPA6119     | 20-280                         | 600                         | 1.0                              | 3.5-10                      | 6.12 |

| Stock No. | Mfr.'s Type | Operating Voltage Range (mA) | Transient Over Voltage (Vp) | Max. Load Current @ 40 °C (Arms) | Control Current Range (mA) | EACH |
|-----------|-------------|------------------------------|-----------------------------|----------------------------------|----------------------------|------|
| 682-8107  | SDI2415R*   | 12-280                       | 600                         | 1.5                              | 10-50                      | 6.26 |
| 682-4070  | DPA4111     | 20-140                       | 400                         | 1.0                              | 10-50                      | 4.26 |
| 682-4071  | DPA6111     | 20-280                       | 600                         | 1.0                              | 10-50                      | 5.15 |

\*R Suffix — Random Turn-On Version.

AC Series AO, ASO

1-1.5 Amp; 120, 240 VAC; AC Mini-SIP Package



- DC Control, AC Output
- Triac (AO) or SCR (ASO) Output
- UL, CSA Approved
- Dimensions (L × W × H): 0.95" × 0.20" × 0.50" (24.1 × 5.1 × 12.7 mm)
- FAX-ON-DEMAND — Code: 103

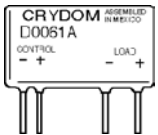
Models AO241/R, ASO241/R and ASO242/R are 1.0 A/1.5 A/2.0 A rated SPST-NO miniature SIP solid state relays. ASO models are designed for switching highly inductive, low current loads such as solenoids. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (VAC):** 2500.

| Stock No. | Mfr.'s Type | Line Voltage Range (Vrms) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH |
|-----------|-------------|---------------------------|---------------------------|-----------------------------|-----------------------------|------|
| 682-2103  | AO241       | 24-280                    | 0.02-1.0                  | 4-10                        | 40                          | 9.13 |
| 682-2104  | AO241R*     | 24-280                    | 0.02-1.0                  | 4-10                        | 40                          | 8.25 |
| 682-2377  | ASO241      | 12-280                    | 0.01-1.5                  | 4-10                        | 10                          | 7.58 |
| 682-4072  | ASO242      | 12-280                    | 0.01-2.0                  | 4-10                        | 40                          | 8.17 |
| 682-4073  | ASO242R*    | 12-280                    | 0.01-2.0                  | 4-10                        | 40                          | 8.51 |

\*R Suffix — Random Turn-On Version.

DC Series DO, DMO

1-3.0 Amp; 60, 100 VDC; DC Mini-SIP Package



- DC Control
- Dimensions (L × W × H): 0.95" × 0.20" × 0.50" (24.1 × 5.1 × 12.7 mm)
- Bipolar (DO) or MOSFET (DMO) DC Output
- FAX-ON-DEMAND — Code: 104

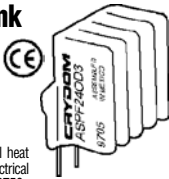
SPST-NO DC output relays in epoxy-coated packages utilize the popular .10" grid lead spacing. They are available with either bipolar transistor output (DO), or the DMO063 with MOSFET output is rated at 3A/60 VDC. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (VAC):** DO — 4000, DMO — 2500.

| Stock No. | Mfr.'s Type | Line Voltage Range (VDC) | Load Current Range (ADC) | Control Voltage Range (VDC) | Surge Current 1-Sec. (Apk) | EACH  |
|-----------|-------------|--------------------------|--------------------------|-----------------------------|----------------------------|-------|
| 682-2101  | DO061A      | 3-60                     | 0.02-1.0                 | 3.0-9                       | 5.0                        | 8.25  |
| 682-2102  | DO061B      | 3-60                     | 0.02-1.0                 | 1.7-9                       | 5.0                        | 8.25  |
| 682-2374  | DMO063      | 0-60                     | 0-3.0                    | 3.0-10                      | 12.0                       | 14.41 |

AC Series ASPF PowerFin — Integral Heat Sink

3 Amp; 120, 240 VAC; AC Mini-SIP Package

- DC Control, AC Output
- SCR Output , Crydom's Patented PowerFin Design
- UL, CSA Approved
- FAX-ON-DEMAND — Code: 113



The Series ASPF incorporates Crydom's patented PowerFin™ design technology with integral heat sink. Rated at 3 amps up to 45°C, this SPST-NO AC output SSR is designed for precise electrical power applications. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (Vrms):** 3750.

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|-----------------------------|------|
| 682-4074  | ASPF241     | 24-280                   | 0.1-3.0                   | 4-10                        | 30                          | 9.96 |

AC Series MPF PowerFin — Integral Heat Sink

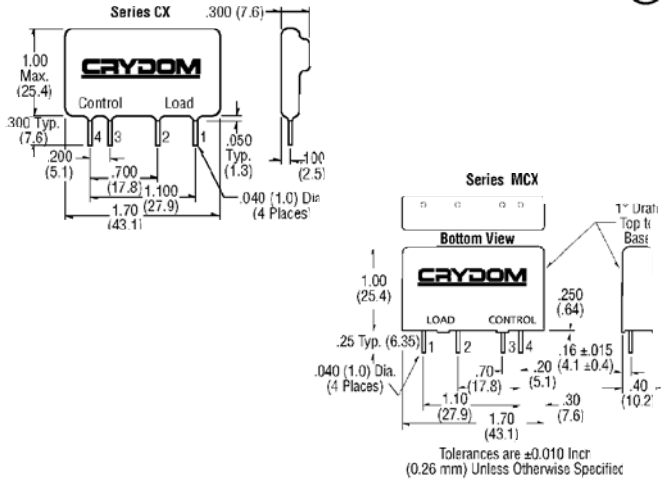
4 Amp; 120, 240 VAC; AC Output, SIP Package

- Integral Heat Sink for High Ratings
- SCR Output , Crydom's Patented PowerFin Design
- UL, CSA Approved
- FAX-ON-DEMAND — Code: 114

The Series MPF SSR offers Crydom's patented PowerFin™ design technology with integral heat sink. This economical SSR is rated at 4 amps up to 45 °C, this low profile SIP has the same pin-out as the popular Series CX. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (Vrms):** 3750.

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|-----------------------------|------|
| 682-4076  | MPF240D4    | 12-280                   | 0.1-4.0                   | 4-10                        | 40                          | 9.13 |

AC Series CX, MCX



5 Amp; 120, 240, 380, 480 VAC; AC SIP Package

- AC or DC Control, SCR Output
- Ultra-High Surge Rating
- UL, CSA, VDE Approved
- FAX-ON-DEMAND — Code: 107, 108

Crydom's family of SPST-NO relays achieves one of the highest power switching capability in a PC-mounted air-cooled package. Advanced features include exceptional steady state current, plus ultra-high surge ratings. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (VAC):** 4000. **Available Option:** -B — Normally closed (CX240D5 only). **M Series:** MP packaging (relay is inserted into plastic case filled with epoxy).

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|--------------------------|---------------------------|-----------------------|-----------------------------|-------|
| 682-2387  | CX240A5     | 12-280                   | 0.06-5.0                  | 90-140 VAC            | 250                         | 10.18 |
| 682-2388  | CX240A5R*   | 12-280                   | 0.06-5.0                  | 90-140 VAC            | 250                         | 10.18 |
| 682-2389  | CXE240A5    | 12-280                   | 0.06-5.0                  | 18-36 VAC             | 250                         | 11.61 |

| Stock No. | Mfr.'s Type | Line Voltage Range (VDC) | Load Current Range (ADC) | Control Voltage Range (VDC) | Surge Current 1-Sec. (Apk) | EACH  |
|-----------|-------------|--------------------------|--------------------------|-----------------------------|----------------------------|-------|
| 682-2105  | CX240D5     | 12-280                   | 0.06-5.0                 | 3-15 VDC                    | 250                        | 10.29 |
| 682-2106  | CX240D5R    | 12-280                   | 0.06-5.0                 | 3-15 VDC                    | 250                        | 12.74 |
| 682-2381  | CXE240D5    | 12-280                   | 0.06-5.0                 | 15-32 VDC                   | 250                        | 9.11  |
| 682-2382  | CXE240D5R*  | 12-280                   | 0.06-5.0                 | 15-32 VDC                   | 250                        | 11.39 |
| 682-2383  | CX380D5     | 48-530                   | 0.06-5.0                 | 4-15 VDC                    | 250                        | 11.62 |
| 682-2385  | CX480D5     | 48-660                   | 0.06-5.0                 | 4-15 VDC                    | 250                        | 12.76 |
| 682-2386  | CXE480D5    | 48-660                   | 0.06-5.0                 | 15-32 VDC                   | 250                        | 12.76 |
| 682-2492  | MCX380D5    | 48-530                   | 0.06-5.0                 | 4-15 VDC                    | 250                        | 12.68 |

\*R suffix — random turn-on version.