



**“COOL ONE” 2 LEG BREAK PANEL MOUNT Solid State Relay Assembly (SSR)  
100A 3Ø Phase Mercury Replacement**



**Assembly Dimensions:** 5.0" x 5.0" x 6.0"

Anacon's "Cool One" heat sink designs provide a thermally optimized Panel mounting platform for today's high performance solid state relays. The listings below provide the actual load currents that each part type will support. If you're not sure about how to select the correct product for your application, call Anacon, toll free and discuss your application with us.

**Standard "COOL ONE" Features:**

- All Anacon SSR Assemblies use relays tested to UL508A SCCR standards.
- Current Ratings 100AMP Continuous
- Zero Cross Relays
- Output voltages from 24Vac to 660Vac
- Standard DC or AC Control Versions
- Standard LED Status Indicator
- Regulated Inputs- Back to Back SCR Design
- Standard Relays, UL/cUL Recognized, TUV Approved & CE Compliant Versions
- Touch Safe Cover Provided
- **Removable Touch Safe Cover**  
(Includes Safety Cover, Relay, & Heat Sink. DIN Mount version available.)
- Provision for over temp bimetal switch
- For Safety & Noise Immunity Compliance information, see page \_\_\_\_.

**SPECIFICATIONS**

PART NUMBER	INPUT RANGE	LOAD CURRENT	LINE VOLTAGE	OPERATING FEATURES	TRANSIENT VOLTAGE	FAN VOLTAGE
APC6010	4-32Vdc	100A/Leg	24-660Vac	Zero Cross	1200V Peak	115Vac
APC6020	90-280Vac	100A/Leg	24-660Vac	Zero Cross	1200V Peak	115Vac
APC6030	18-36Vac	100A/Leg	24-660Vac	Zero Cross	1200V Peak	115Vac

**FAN SPECIFICATIONS**

	VOLTAGE (V)	CURRENT (A)	SPEED (RPM)	POWER (W)	AIRFLOW (CFM)	Max. AIR PRESSURE (Inch-H2O)	NOISE (dBA)	WEIGHT (g)	BEARING TYPE
AC Fan	115 (50/60Hz)	0.12/0.11	2250/2750	13/12	29/36	.012/0.18	36/39	280	Sleeve
DC Fan	24Vdc	0.15	3200	3.6	50	0.19	33.0	135	Sleeve

**Notes:**

- Add suffix "-1" to part number for DC Fan Option.
- Replaces the following Mercury 3 Pole Relays: DuraKool, MDI, and Magnecraft
  - DuraKool Part Numbers: CFC2-727 (120Vac), CFC2-732 (24Vdc)
  - MDI Part Numbers: 2100N0-120A, 2100N0-24D
  - Magnecraft Part Numbers: WM60AA-120A, WM60AA-24D (60 AMP only)
- Ratings based upon 100% duty cycle for 20 minutes or 80% duty cycle continuous.
- Ratings based upon relays being mounted either individually or side by side with zero spacing.
- Cool One's unique construction allows better performance than conventional heat sink designs even when mounted side by side.