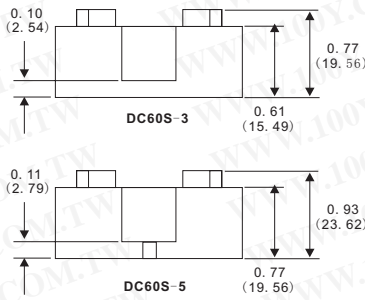
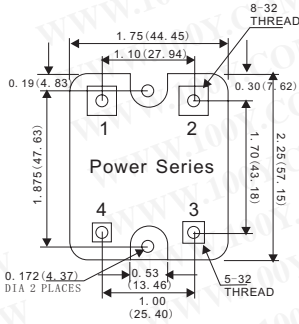




# Relays & Solenoids

## Surface Mounting Power DC To AC Solid State Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Opto 22 provides a full range of Power Series relays with a wide variety of volt-age (110–575 volts) and current options(3–45 amps). All Power Series relays feature 4,000 volts of optical isolation, and have a high PRV rating.

### DC Series

The DC Series delivers isolated DC control to large OEM customers worldwide.

### AC Series

The AC Series offers the ultimate in solid state reliability. All AC Power Series relays feature a built-in snubber and zero voltage turnon.

Transient-proof models offer self protection for noisy electrical environments.

Part No.	Product No.	Manufacturer	Description	Irms Load current	Vrms Load voltage
31073	480D10-12	OPTO22	OPTO22_Surface Mounting Power DC-AC SSR	10A	480V
31074	480D15-12	OPTO22	OPTO22_Surface Mounting Power DC-AC SSR	15A	480V
31075	480D25-12	OPTO22	OPTO22_Surface Mounting Power DC-AC SSR	25A	480V
31076	480D45-12	OPTO22	OPTO22_Surface Mounting Power DC-AC SSR	480V	45A
31077	575D15-12	OPTO22	OPTO22_Surface Mounting Power DC-AC SSR	15A	575V
31078	575D45-12	OPTO22	OPTO22_Surface Mounting Power DC-AC SSR	45A	575V



- Zero Voltage and Random Turn-On Switching
- Panel Mount
- 600V Transient Capability
- Internal Snubber
- 110 & 125A Models Available
- Integrated Overvoltage Protection by Automatic Self Turn-On (Suffix P)

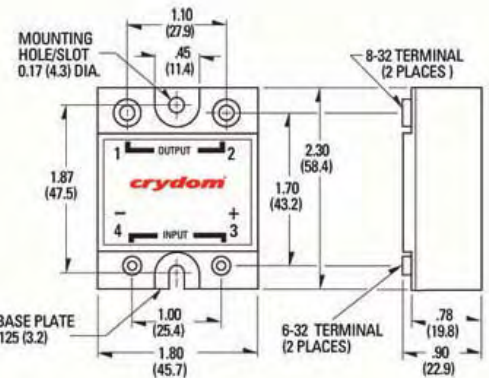
Featuring state-of-the-art Surface Mount Technology, these SPST-NO relays deliver proven reliability in the most demanding applications. Output consists of an SCR AC switch and is available in zero-cross, random turn-on (phase controllable) and normally closed (Form B) versions with either AC or DC input (coil) control. Manufactured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

### GENERAL SPECIFICATIONS

Dielectric Strength 50/60Hz Input/Output/Base	4000 Vrms
Insulation Resistance (Min.) @ 500 Vdc	10 <sup>9</sup> Ohm
Max. Capacitance Input/Output	8 pF
Ambient Operating Temperature Range	-40 to 80°C
Ambient Storage Temperature Range	-40 to 125°C

### MECHANICAL SPECIFICATIONS

Weight: (typical)	3.0 oz. (86.5g)
Encapsulation:	Thermally conductive epoxy
Terminals:	Screws and Saddle Clamps Furnished, Unmounted



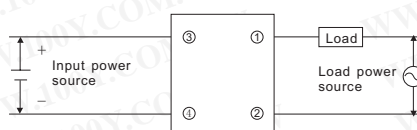
Part No.	Product No.	Manufacturer	Description	Vin drive voltage	Irms Load current	Vrms Load voltage	Switching Type
36163	A2410	Crydom	DC-AC SOLID STATE RELAY	3-32 Vdc	10 Amps RMS	280 Volts RMS	AC
36166	A2450	Crydom	DC-AC SOLID STATE RELAY	3-32 Vdc	25 Amps RMS	280 Volts RMS	AC

### FEATURES

1. Combined with heat sink for vertical profile  
Helps to save space on control panel
2. Dielectric voltage of 2,500V or 4,000V
3. Both screw-on installation or one-touch DIN-rail installation available
4. Includes operation LED (red)
5. Built-in varistor

### APPLICATIONS

1. Molding machine (heater control)
2. Temperature controlled bath (heater control)
3. Printing machine (heater control)
4. Machine tool (motor control)



Schematic

