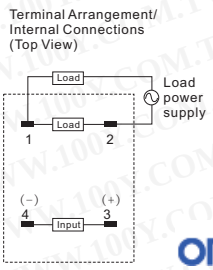
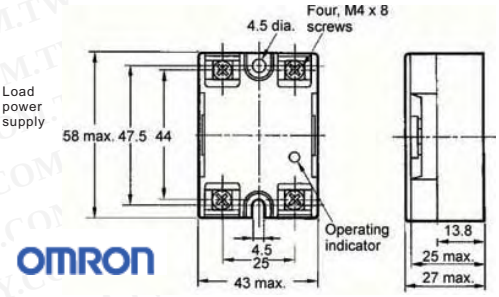
Surface Mounting Power DC To AC Solid State Relays

Detailed product specifications are available on: us. 100y. com. tw

- All models feature the same compact dimensions to provide a uniform mounting pitch.
- Built-in varistor effectively absorb external surges.
- Operation indicator (red LED) enables monitoring operation.
- Protective cover for greater safety.
- Standard models approved by UL/CSA and -UTU models by VDE (TÜV).





Characteristics

Item	G3NA-210B	G3NA-220B
Operate time	1/2 of load power source cycle + 1 ms max. (DC input)	3/2 of load power source cycle + 1 ms max. (AC input)
Release time	1/2 of load power source cycle + 1 ms max. (DC input)	3/2 of load power source cycle + 1 ms max. (AC inpu
Output ON voltage drop	1.6 V (RMS) max.	
Leakage current	5 mA max. (at 100 VAC)	10 mA max. (at 200 VAC)
Insulation resistance	100 MΩ min. (at 500 VDC)	
Dielectric strength	2,500 VAC, 50/60 Hz for 1 min	
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude	
Shock resistance	Malfunction: 1,000 m/s^2	
Ambient temperature	Operating:–30°C to 80°C (with no icing or condensation)	Storage:–30°C to 100°C (with no icing or condensation)
Ambient humidity	Operating: 45% to 85%	
Weight	Approx. 60 g	

Part No.	Product No.	Manufacturer	Description	Vin drive voltage	Irms Load current	Vrms Load voltage	Switching Type
47699	G3NA-210B-DC5-24	OMRON	DC/AC Solid-state Relay	5~24VDC	10A	24~240VAC	Zero-Cross
23692	G3NA-220B-DC5-24	OMRON	DC/AC Solid-state Relay	5~24VDC	20A	24~240VAC	Zero-Cross

- **1200 Volt Blocking**
- **Panel Mount**
- **Up to 660 Vac**
- **Zero Voltage and Random Turn-On**
- **Integrated Overvoltage Protection by Automatic Self Turn-On (Suffix P)**
- **SCR Output**

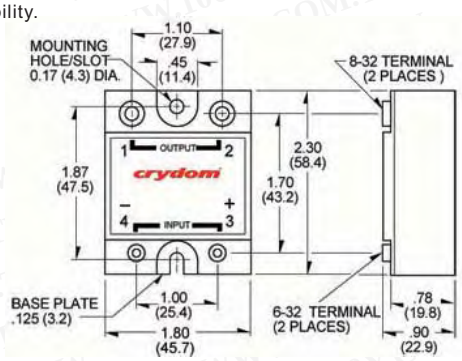
High voltage relays use IC driven circuits for switching loads up to 660 VAC. All models come with 1200 Volts blocking.
Type H12WD is a snubberless (reduced leakage current).
Manufactured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

GENERAL SPECIFICATIONS

Dielectric Strength 50/60Hz Input/Output/Base	4000 Vrms
Insulation Resistance (Min.) @ 500 Vdc	10^9Ohm
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



All dimensions are in inches (millimeters)

Crydom Heat Sinks offer excellent thermal management and are perfectly matched to the load current ratings of Crydom panel mount relays. Request Crydom's Heat Sink specification sheet for all the details.

Part No.	Product No.	Manufacturer	Description	Vin drive voltage	Irms Load current	Vrms Load voltage	Switching Type
35958	H12WD4850	Crydom	DC-AC Solid-state Relay	4-32 Volts DC	50 Amps RMS	660 Volts RMS	AC
39554	H12WD4890	Crydom	DC-AC Solid-state Relay		75 Amps RMS	660 Volts RMS	AC

- **Zero Voltage and Random Turn-On Switching**
- **Panel Mount**
- **1200V Transient Capability**
- **Integrated Overvoltage Protection by Automatic Self Turn-On (Suffix P)**
- **110 & 125A Models Available**

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 ver-sions with either AC or DC input (coil)control.
Manufactured in Crydom's ISO 9001Certified facility for optimum product performance and reliability.

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