Single Phase Dual Channel DC to AC Solid State Relay

Features:

- Dual channel DC to AC single phase solid state relay
- 4-32Vdc input, 24~480Vac load
- 20amps, 25amps, 40amps, 50amps, 60amps optional.
- Load 24~480Vac
- LED process indication for both channel
- Panel mount
- Zero-crossing trigger
- All models with the same physical size
- Fast response and no noise

-Black housing
-Terminal type
-Compact size
-2500Vrms dielectric strength

Technical Specifications

Ordering Information

MS-1-2-3-4

1:Load voltage

480	24~480Vac load

2:Load type

H	High load voltage, up to 480Vac

3:Load current

20	20 amps
25	25 amps
40	40 amps
50	50 amps
60	60 amps

4:Triggering mode

P	Zero-crossing trigger
R	Random trigger

eg: MS-480-H-40-P, 40 amps , dual channel, zero-crossing trigger SSR

Guidelines on the selection and usage of a solid state relay

1)Current rating, as a general rule consider using the relay at no more than 50% of its rated current for resistive load such as a heater, considering using the relay at no more than 10% of its rated current for inductive load, such as a motor, in this application, the relay only can be used to control the start and stop of the motor, not reverse of the motor
2)Heatsinks must always be installed together with the SSR regardless of the load amps, natural convection cooling might be sufficient in some cases depends on the site situation, force air cooling must be taken into consideration under harsh conditions(contact our sales team for more info)
3)Fast fuse must be installed in the system to protect overload on the SSR
4)Silicon rubber pad or silicon compound must be applied to the bottom of the SSR to help the heat radiation
5)Our SSR is 480Vac load type,this is suitable for multiple line voltage system including 110V/220V/380V to maximum 480Vac
6)This is a normally open SSR, with no control input, the relay output is non-conducting, some specific types of SSR have a normally closed output, this needs to be specificed before order
7)Our relay can only be used for resistive load or inductive load, capacitive load is not suitable

Application

High-low temperature chamber, heaters, plastic machinery, incubation machine, Oiling machine, HVAC, Elevator control Lighting, Fountain controller

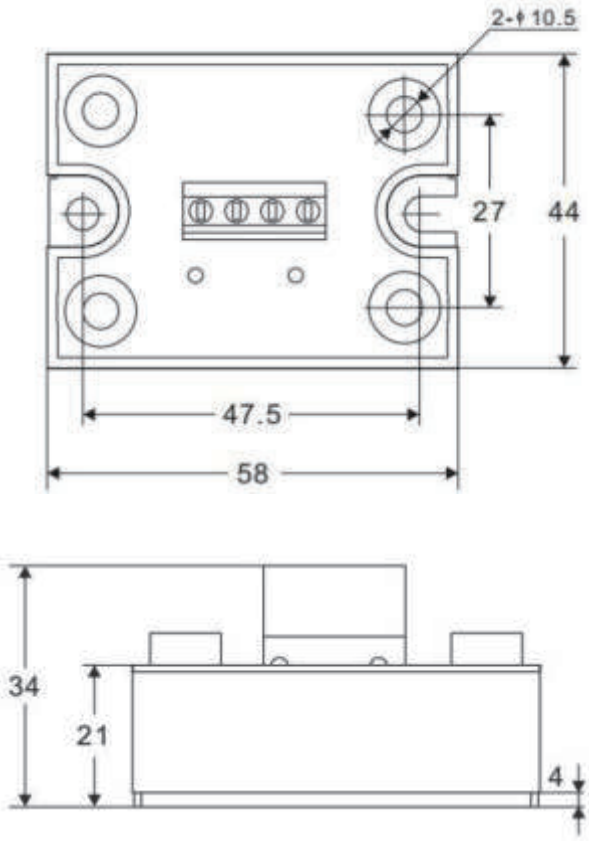
Electrical Technical Features(For DC to AC type)

Load Voltage	24~480Vac
Control Voltage	4-32Vdc
Minimum turn-on voltage	4Vdc
Minimum turn-off voltage	1Vdc
Maximum/minimum input current	12mA/7mA
Maximum turn-on time	10ms
Maximum turn-off time	10ms
Maximum Off-state Leakage Current [@ Rated Voltage]	5mA
Maximum On-state Voltage Drop [@ Rated Current]	1.5V
Minimum Off-state dv/dt [@ Maximum Rated Voltage]	1000V/ μ s
Dielectric Strength[50/60Hz]	input/output≥3500Vrms
Dielectric Strength[50/60Hz]	input,output/base≥2500Vrms
Transient Overvoltage	1200Vpk

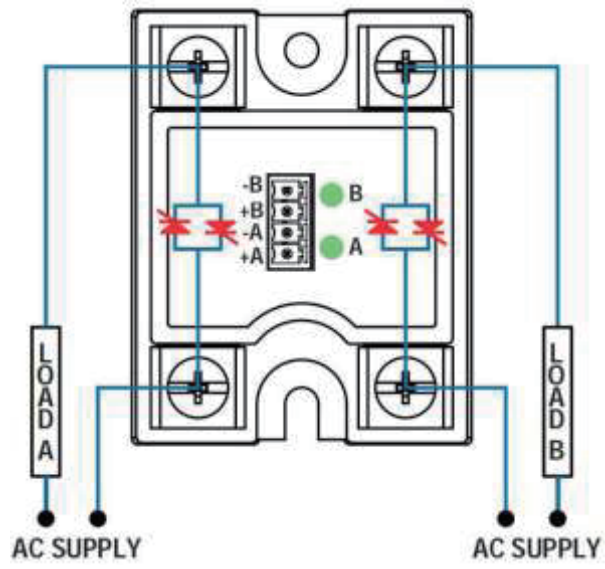
Mechanical and storage

Operating condition	-30°C~+85°C 35~85% RH
Storage condition	-40°C~+125°C
Weight	0.1kg
Housing material	Fire retardant ABS

Size



Connection



Certificates

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