Single phase DC to AC solid state relay

Features:

- **Single phase DC to AC cost effecitve solid state relay**
- **3.2-32Vdc input for DC to AC**
- **Load amps, 10 amps, 25 amps, 40 amps.**
- **Load 24~480Vac**
- **LED process indication**
- **Panel mount**
- **Zero-crossing trigger**
- **All models with the same physical size**
- **Fast response and no noise**

-Grey housing
-Terminal type
-Compact size
-Built-in RC Snubber for all three models
-10,25,40 use TRIAC solution
-With protection cover for greater protection

LOGO and item Number laser printed, private label service available on request

Technical Specifications

Ordering Information

JX-[1]-[2]-[3]-[4]

1: Type of solid state relay

1	Single phase solid state relay

2:Control signal

DA	DC input, range 3.2-32Vdc

3:load voltage

48	24~480Vac 50/60HZ

4:Load amps

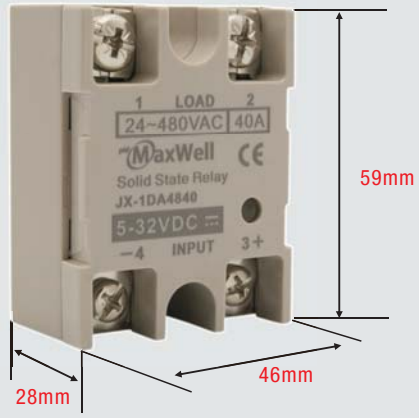
10	10 amps
25	25 amps
40	40 amps

eg: JX-1DA4840 40amps DC to AC solid state relay

Guidelines on the selection and usage of a JX series SSR

1)This series of SSR can be used for resistive and small inductive load
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

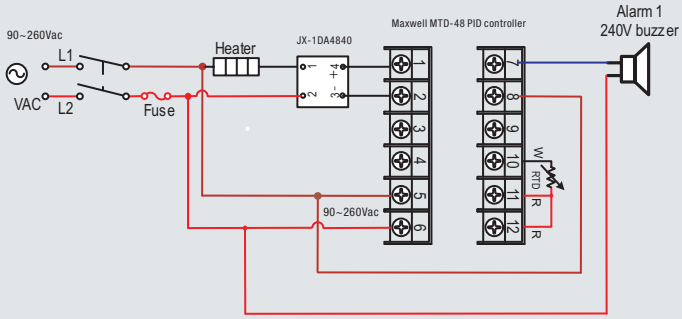
Size and dimension



Electrical Technical Features(For DC to AC type)

Load Voltage	24~480Vac
Control Voltage	3.2-32Vdc
Minimum turn-on voltage	3.2Vdc
Minimum turn-off voltage	1Vdc
Maximum input current	25mA
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]	1.6Vrms
Minimum Off-state dv/dt [@ Maximum Rated Voltage]	500V/μs
Dielectric Strength[50/60Hz]	input/output≥3500Vrms
Dielectric Strength[50/60Hz]	input,output/base≥2500Vrms
Transient Overvoltage	1200Vpk

Solid state relay wiring setup in a heating application



Parts lists for above system

Solid state relay JX-1DA4840
Fuse
Heater: 3300W, 220V(15 amps)
PID Controller MTD-48
240V buzzer