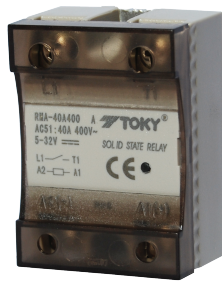


1、RMA Economic Type Solid State Relay



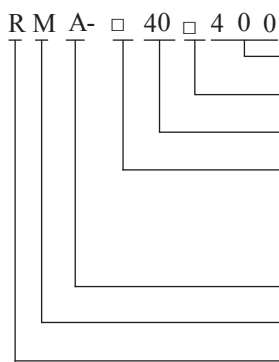
■ Photos and Features



Features:

- ★ Using photoelectric coupling isolation, compressive strength can reach 2kv between the input - output - fin.
- ★ Choose from multiple trigger modes to meet a variety of control requirements.
- ★ RC filter circuit can absorb the instant surge to avoid malfunction occurs and to protect the chip
- ★ Applied high quality triac devices.
- ★ The input applied constant current circuit to ensure the current constancy of the consumption between 5 ~ 32 v

■ Model Illustration



Rated voltage: 400:24~400V AC 230:24~230V AC

A: AC load D: DC load

Rated current: 15 15Aac 25 25Aac 40 40Aac 60 60Aac 80 80Aac 100 100Aac

Control type: Blank: DC 5~32V Zero-cross activation P: DC 5~32V Random activation

A: AC 90~280V Zero-cross activation

PR: Regulator (250KΩ/110V,500KΩ/220V 2W regulating resistor)

A: Design number

M: Normal SCR

Solid State Relay

■ Ordering Information

Solid State Relay Series

Type	Model	Rated Volts	Control Signal	Activation type	Critical voltage raising rate	Rated Current	Code
DC control AC	RMA-(P) 15A400	400V/AC	5~32VDC	Zero-cross activation (P:Random activation)	500V/ μ S	15Aac	C0033RMA01
	RMA-(P) 25A400					25Aac	C0036RMA01
	RMA-(P) 40A400					40Aac	C0039RMA01
	RMA-(P) 60A400					60Aac	C0070RMA01
	RMA-(P) 80A400					80Aac	C0080RMA01
AC control AC	RMA-A15A400	400V/AC	90~280VAC	Zero-cross activation	500V/ μ S	15Aac	C0033RMA01
	RMA-A25A400					25Aac	C0036RMA01
	RMA-A40A400					40Aac	C0039RMA01
	RMA-A60A400					60Aac	C0070RMA01
	RMA-A80A400					80Aac	C0080RMA01

Regulator Series

Type	Model	Rated Volts	Control Signal	Activation type	Voltage Adjust range	Rated Current	Code
Resistance regulator type	RMA-PR15A230	230Vac	500K Ω	Random activation	5%~95% Load voltage	15Aac	C0033RMA01
	RMA-PR25A230					25Aac	C0036RMA01
	RMA-PR40A230					40Aac	C0039RMA01
	RMA-PR60A230					60Aac	C0070RMA01
	RMA-PR80A230					80Aac	C0080RMA01

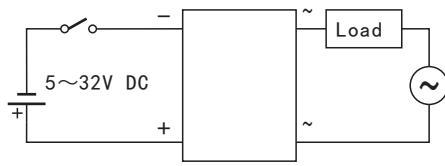
Power meter
Energy meter
Power Protection HMI Compensation
Power monitoring system
Recorder
Signal Isolator
Panel Meter
Sensor Indicator
Temperature Controller
Counter/Timer
Timer Relay
Tacho/Speed/Pulse Meter
Rotary Encoder
Proximity Sensor
Solid State Relay

■ Specifications

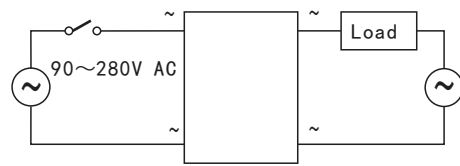
Compression strength input-output	≥500MΩ	Output rated current (A _{rms})	15, 25, 40, 60, 80A AC
Insulation strength input-output	2000Vrms	Off-state leakage current (Max)	≤10mA AC
Insulation strength input/output-shell	2000Vrms	Voltage	24~400VAC 24~230VAC
Input control range	5~32Vdc/90~280Vac	Peak voltage	800Vp-p
Input current	≤10mA(DC)/≤25mA(AC)	Weight	110g
Min trigger voltage	≥4.5Vdc/80Vac	Closed saturated step-down	1.8V/25°C
Min open-circuit voltage	≤3Vdc/10Vac	Action response time	ON<10ms , OFF<10ms
Material	ABS+PC(flame retardance)	Ambient temperature	-20°C~80°C / -40°C~100°C

■ Connections

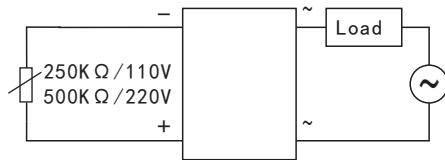
1、DC control AC



2、AC control AC



3、Adjustable resistance control



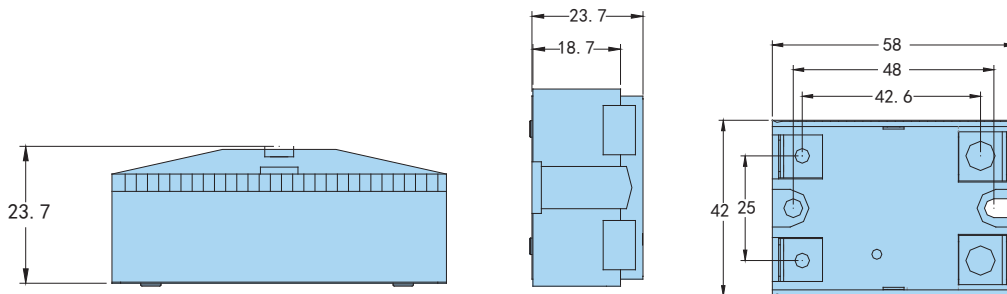
5、Mounting note

- ◆ Use a heat sink (accessory) to protect solid state relays, and the heat sink must be grounded.
- ◆ Must install high-speed fuse
- ◆ To choose correct model for the radiator according to the working environment temperature and load current.
- ◆ Contact distance between the heat sink and radiator should not be greater than 0.05mm when you install the radiator the rough degree should be ≤ 0.02mm.mm

Note:

It can ensure the thermal conductivity without impurities by using a gram of thermal grease to paint on metal surface of heat sink. Tightening up the 2 nuts in turn, the M4 nut torque of 1.2 NM , the M5 nut torque of 0.75M. It is suggested to disassemble and check whether the installation is correct, to ensure no bubbles between the metal coating and heat conduction layer.

■ Dimensions (unit:mm)



Power meter
Energy meter
Power Protection HMI Compensation
Power monitoring system
Recorder
Signal Isolator
Panel Meter
Sensor Indicator
Temperature Controller
Counter/Timer
Timer Relay
Tacho/Speed/ Pulse Meter
Rotary Encoder
Proximity Sensor
Solid State Relay