

Application :

High reliability by S.M.T & TQC.(Surface Mounting Technology)
 High Isolation over than 50MQ/500VDC
 High dielectric over than 2.5KV
 Low enable current less than 7.5mA/12VDC CMOSIC or TTL Compatible.
 Low EMI/EFI& surge by Zeero cross Trigger Method.
 High surge current duration,over 10 Times of rated current/one cycle.
 High surge voltage duration by snubber circuit.

Guiding of Model :

EX: PN - 40 D A - H

- Output voltage range
 h:high voltage type <90~480VAC>
 Non:Standard type <24~380VAC>
- Output voltage
 A:AC VOLTAGE
 D:DC VOLTAGE
- Input voltage D:DC3W~32V<ON/OFF>
 A:AC80~250V<ON/OFF> L:4~20mA(linear)
 S:VARIAVLE RESISTER
- Output current 10:10A 25:25A 40:40A 50:50A
- Product
 PN:Single phase solid state relay
 TSR:Three phase solid state relay
 PNS:Five groups solid state relay

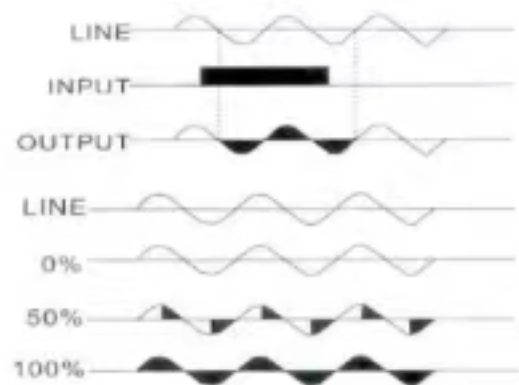


AC-AC

Control Method :

Zero Cross Trigger Method

Output TURN ON or TURN OFF only on zero cross point of sine wave,may avoid surge or EMI/RFI occurring.
 Specially suited to control resistive,capacitive and Non-saturated inductive loads



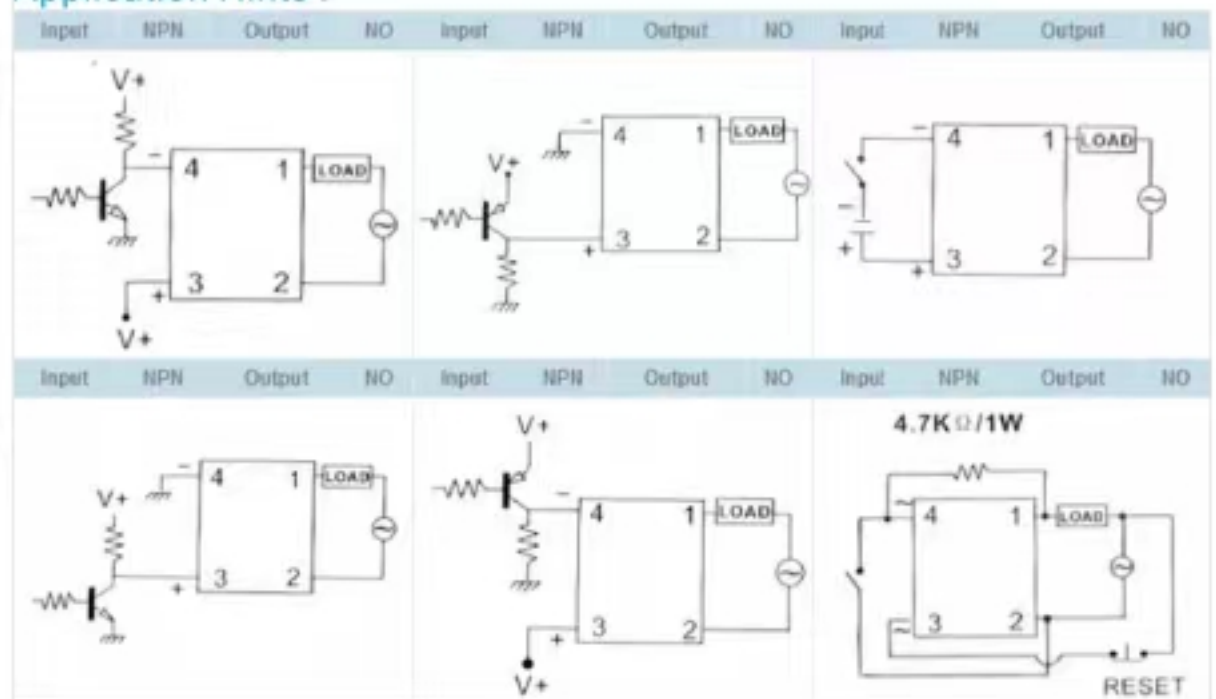
Variable resistance control method

Power output is controlled by the trigger angle of triac with variable resistor
 250KQ/110VAC,500KQ/220VAC

Application Hints :



AC-AC





AC-AC

Type	Standard type			High voltage type	
Model	PN-10AA	PN-25AA	PN-40AA	PN-25AA-H	PN-40AA-H
Rated load current	10A	25A	40A	25A	40A
Input voltage	80-250VAC, 50/60Hz				
Min. on/off voltage	ON>45V, OFF<35V				
Trigger current	5.0mA/110V max.				
Control method	Zero cross trigger				
Operating voltage	24-380VAC			90-480VAC	
Min. break voltage	600VAC				
Voltage drop	1.6V/25°C				
Max. duration current	135A	275A	410A	275A	410A
Leakage current	3.0mA	3.0mA	5.0mA	3.0mA	5.0mA
Response time	ON<20ms/OFF<20ms				
Dielectric strength	Over 2.5KVAC/ 1min.				
Isolation strength	Over 50M500VDC				
Operating temperature	-20°C~+80°C				
Housing Material	Intensive ABS				
Weight	119G				

Dimension and connection diagram :

