

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 <90~180VAC>
 Noe: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:VARIABLE RESISTOR

Output current 10:10A 25:25A 40:40A 50:50A

Product
 PN:Single phase solid state relay
 TSR:Three phase solid state relay
 PMS:Five groups solid state relay

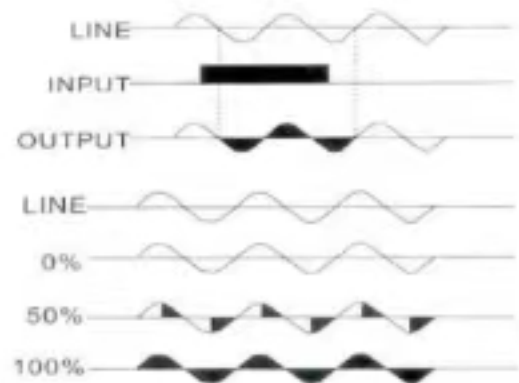


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Control Method :

Zero Cross Trigger Method

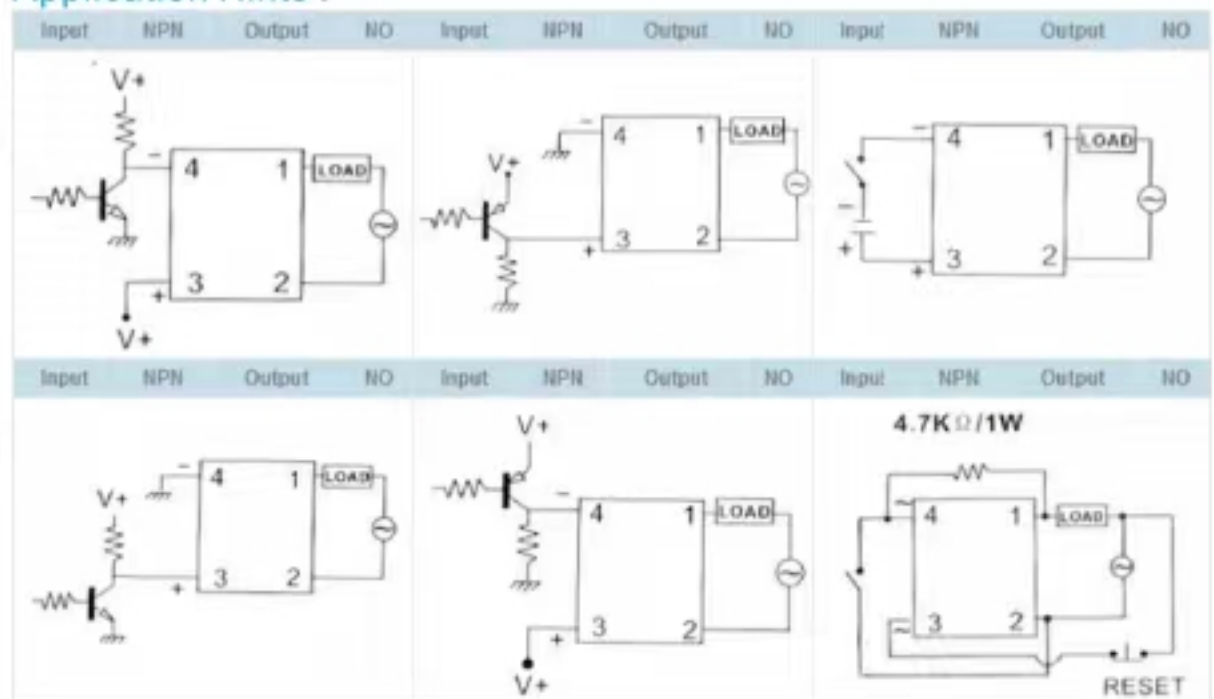
Output TURN ON or TURN OFF only on zero cross point of sine wave,may avoid surge or EMI/RFI occurring.
 Specially suited to control resistive,capacitive and Non-saturated inductive loads



Variable resistance control method

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

Application Hints :



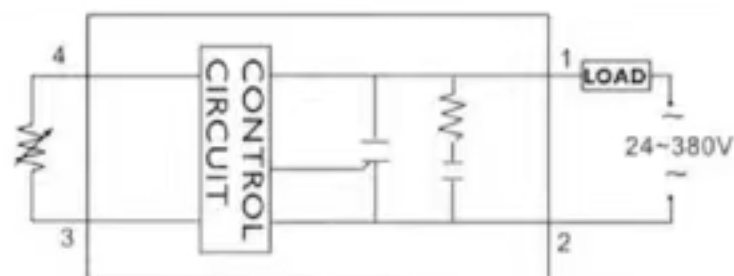
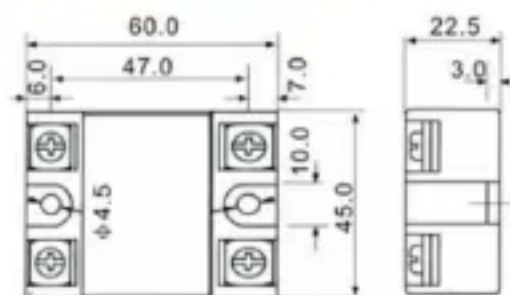
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Type	Standard type		
Model	PN-10SA	PN-25SA	PN-40SA
Rated load current	10A	25A	40A
Variable resistance	Trimmer/250 to 110V, 500K to 220V, N to 380V		
Control method	Phase control		
Operating voltage	24-380VAC		
Min. block voltage	600VAC		
voltage drop	1.6V/25°C		
Max. durated current	135A	275A	410A
Leakage current	5.0mA	5.0mA	5.0mA
Response time	1ms		
Dielectric strength	Over 2.5KVAC/ 1min.		
Isolation strength	Over 50M/500VDC		
Operating temperature	-20°C~+80°C		
Housing Material	intensive ABS		
Weight	105G		

Dimension and connection diagram :



VR:250KV Ω /110VAC, 500K Ω /220VAC