

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: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
 PNS:Five groups solid state relay

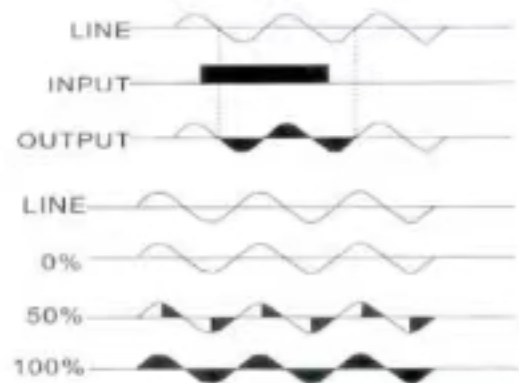


DC-AC

Control Method :

Zero Cross Trigger Method

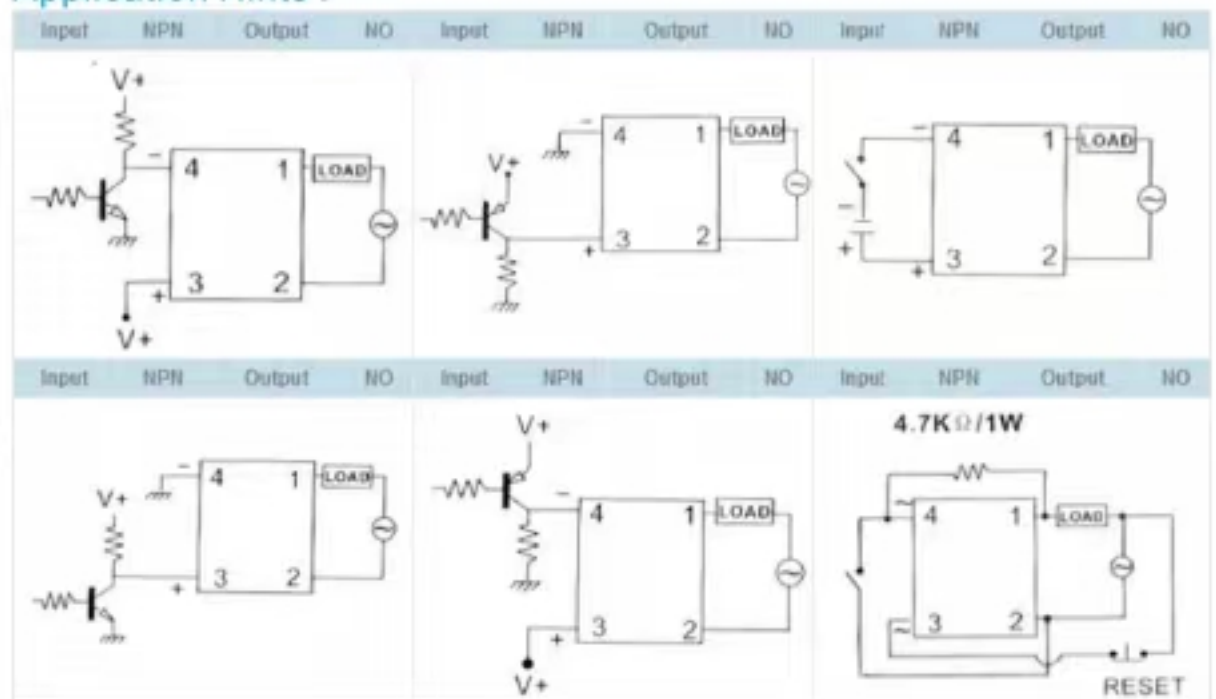
Output TURN ON or TURN OFF only on zero cross point of sine wave,may avoid surge or EMI/RFI occurring.
 Specially suited to control resistive,capacitive and Non-saturated inductive loads



Variable resistance control method

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

Application Hints :



DC-AC



DC-AC

Type	Standard type			High voltage type		PCB type
Model	PN-10DA	PN-25DA	PN-40DA	PN-25DA-H	PN-40DA-H	PN-05DA
Rated load current	10A	25A	40A	25A	40A	5A
Input voltage	4-32VDC					
Min. on/off voltage	ON>2.4V, OFF<1.0V					
Trigger current	7.5mA@12V					
Control method	Zero cross trigger					
Operating voltage	24-380VAC			90-480VAC		24-380VAC
Min. break voltage	600VAC					
Voltage drop	1.6V@25°C					
Max. duration current	135A	275A	410A	275A	410A	135A
Leakage current	3.0mA	3.0mA	5.0mA	5.0mA	5.0mA	3.0mA
Response time	ON<10ms/OFF<10ms					
Dielectric strength	Over 2.5KVAC/ 1min.					
Isolation strength	Over 50M@50VDC					
Operating temperature	-20°C~+80°C					
Housing Material	Intensive ABS					
Weight	105G					

Dimension and connection diagram :

