

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 VO:TAGE

Input voltage D:DC3W~32V<ON/OFF>
 A:AC80~250V<ON/OFF> L:4~20mA(linear)
 S:VARIABLE RESISTER

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

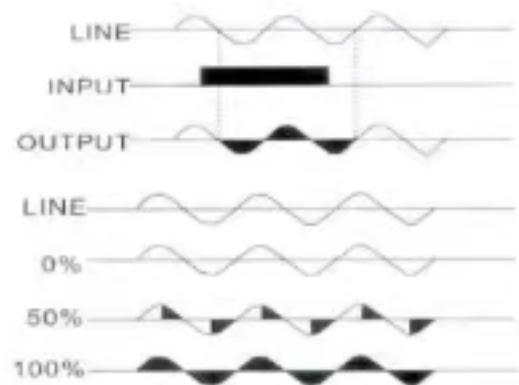


High Current DC-AC

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



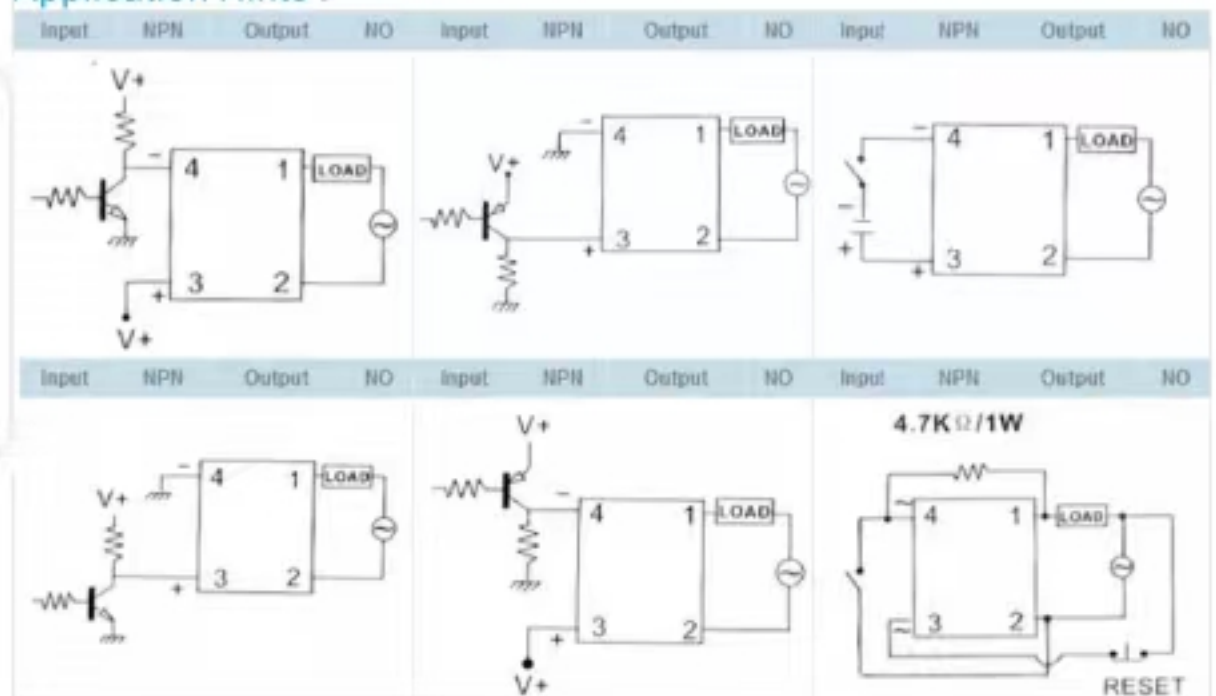
Variable resistance control method

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

Application Hints :



High Current DC-AC





High Current DC-AC

Type	Standard type		High voltage type	
Model	PN-50DA	PN-75DA	PN-50DA-H	PN-75DA-H
Rated load current	50A	75A	50A	75
Input voltage	3-32VDC			
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	
Min. block voltage	600VAC			
Voltage drop	1.6V/25°C			
Max. duration current	550A	820A	550A	820A
Leakage current	6.0mA	6.0mA	6.0mA	6.0mA
Response time	ON<10ms/OFF<10ms			
Dielectric strength	Over 2.5KVAC/ 1min.			
Isolation strength	Over 50M/500VDC			
Operating temperature	-20°C~+80°C			
Housing Material	Intensive ABS			
Weight	125G			

Dimension and connection diagram :

