

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 :

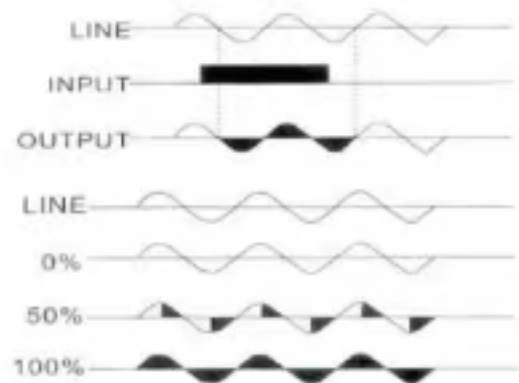
EX: PN-40 D A-H

- Output voltage range
 h:high voltage type <90~180VAC>
 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
 PMS:Five groups solid state relay

Control Method :

Zero Cross Trigger Method

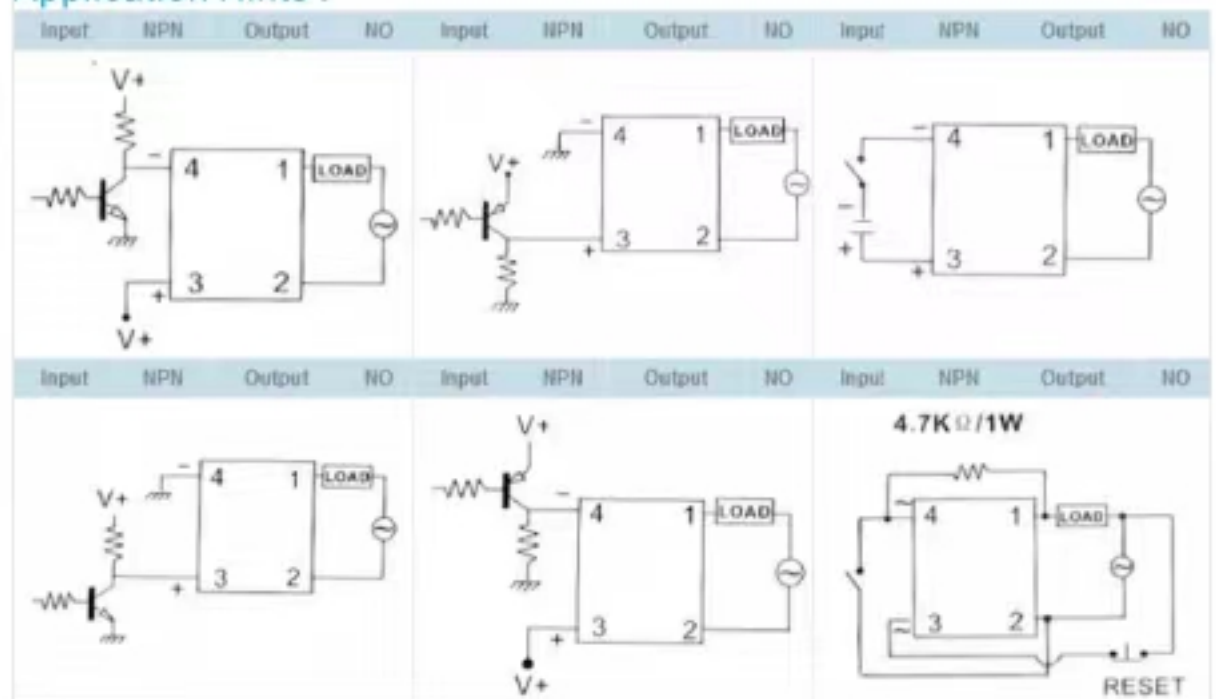
Output TURN ON or TURN OFF only on zero cross point of sine wave,may avoid surge or EMI/RFI occurring.
 Specially suited to control resistive,capacitive and Non-saturated inductive loads



Variable resistance control method

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

Application Hints :



Linear Control

Linear Control



Linear Control

Type	Standard type				High voltage type			
Model	PN-25LA	PN-40LA	PN-50LA	PN-75LA	PN-25LAH	PN-40LAH	PN-50LAH	PN-75LAH
Rated load current	25A	40A	50A	75A	25A	40A	50A	75A
Input voltage	4-20mA							
Input resistance	Appr 1.2K							
Control method	Phase control							
Operating voltage	30-250VAC				250-480VAC			
Min. block voltage	500VAC							
Voltage drop	1.0V/25°C							
Max. durated current	275A	410A	550A	820A	275A	410A	550A	820A
Leakage current	% of full load							
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 :

