

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>
 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

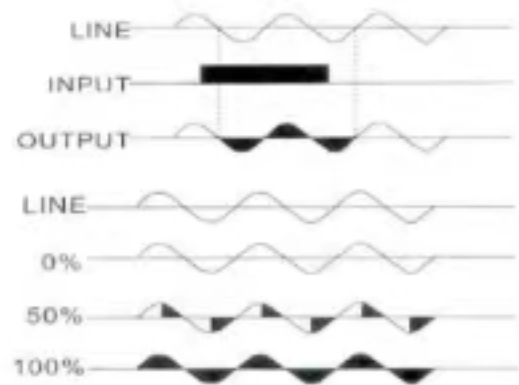
Output current 10:10A 25:25A 40:40A 50:50A

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

Control Method :

Zero Cross Trigger Method

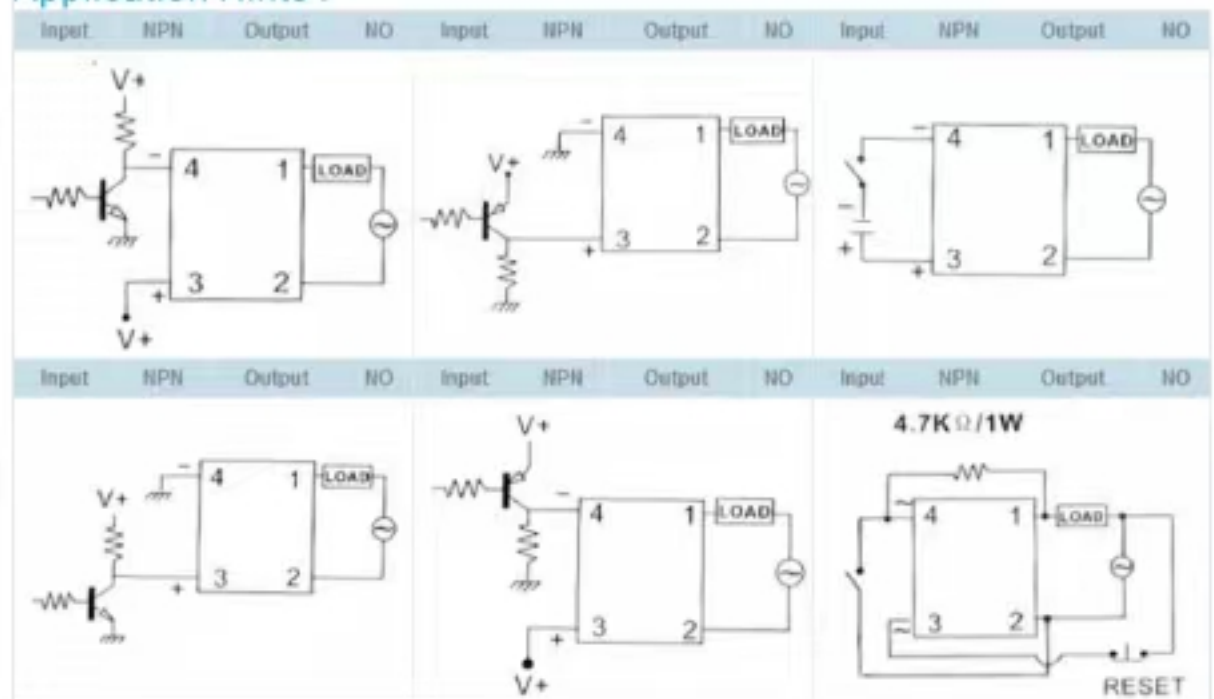
Output TURN ON or TURN OFF only on zero cross point of sine wave,may avoid surge or EMI/RFI occurring.
 Specially suited to control resistive,capacitive and Non-saturated inductive loads



Variable resistance control method

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

Application Hints :



High Current DC-DC

High Current DC-DC



High Current DC-DC

Type	Standard type			PCB type
Model	PN-10DD	PN-25DD	PN-40DD	PN-05DD
Rated load current	10A	25A	40A	5A
Input voltage	3-32VDC			
Min. on/off voltage	ON>2.4V, OFF<1.0V			
Trigger current	7.5mA/12V			
Control method	Isolated by photocoupler			
Operating voltage	5-110VDC			5-110VDC
Min. block voltage	500VDC			
Voltage drop	1.3V/25°C			
Max. duration current	30A	75A	120A	30A
Leakage current	≤0.8mA			
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 :

