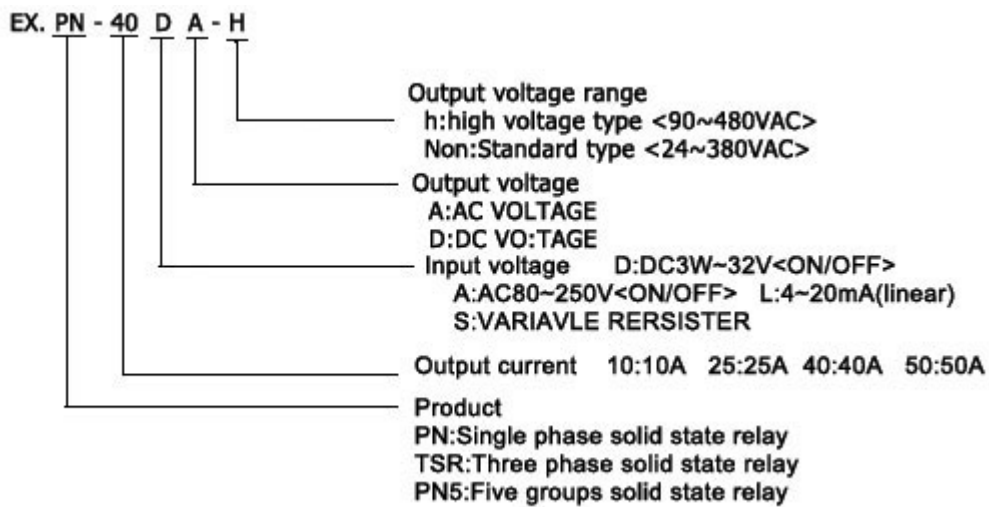


### Application :

- 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.



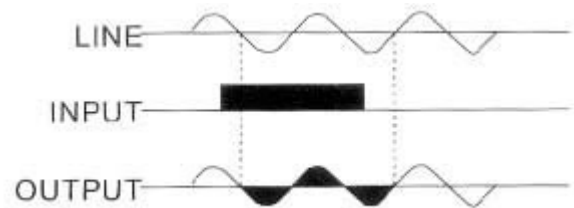
### Guiding of Model :



### Control Method :

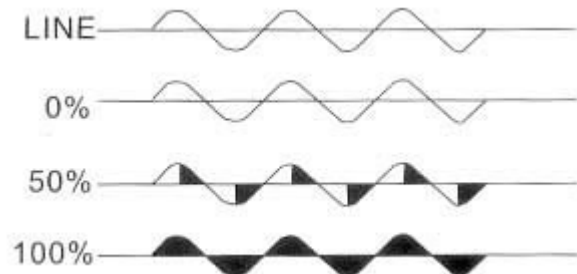
#### Zero Cross Trigger Method

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

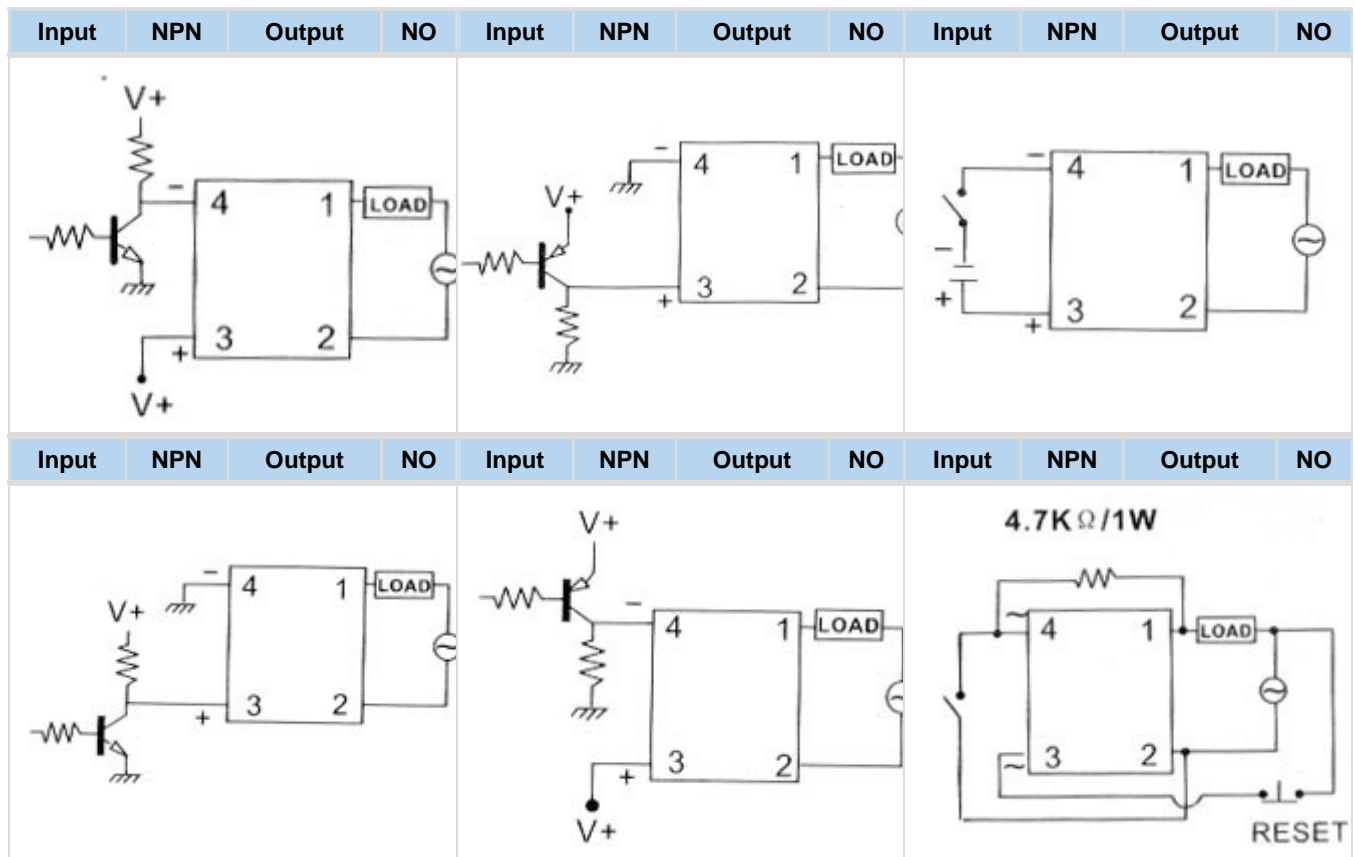


#### Variable resistance control method

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



Application Hints :



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. black voltage	600VAC			
Voltage drop	1.6V/25°C			
Max. durated 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 :

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