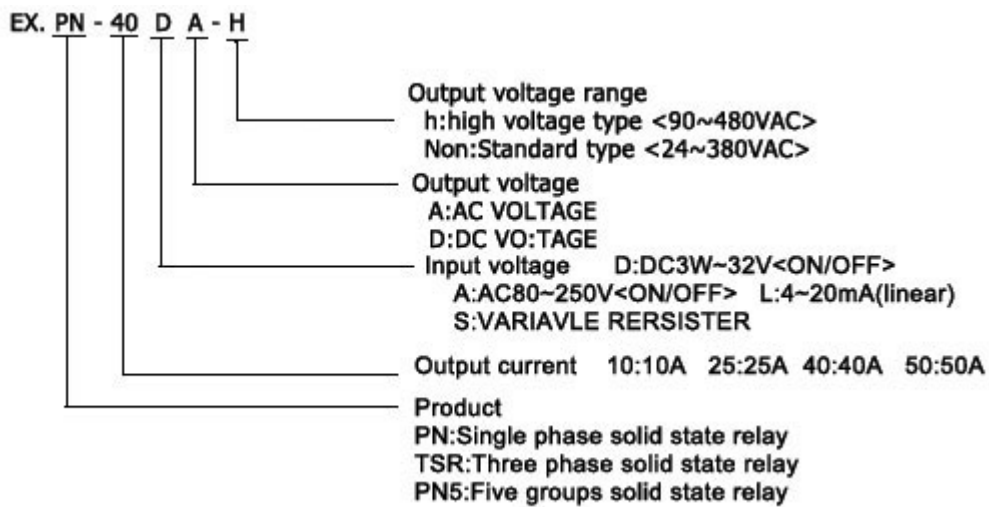


Application :

- 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.



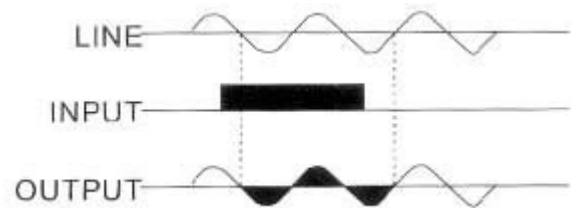
Guiding of Model :



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

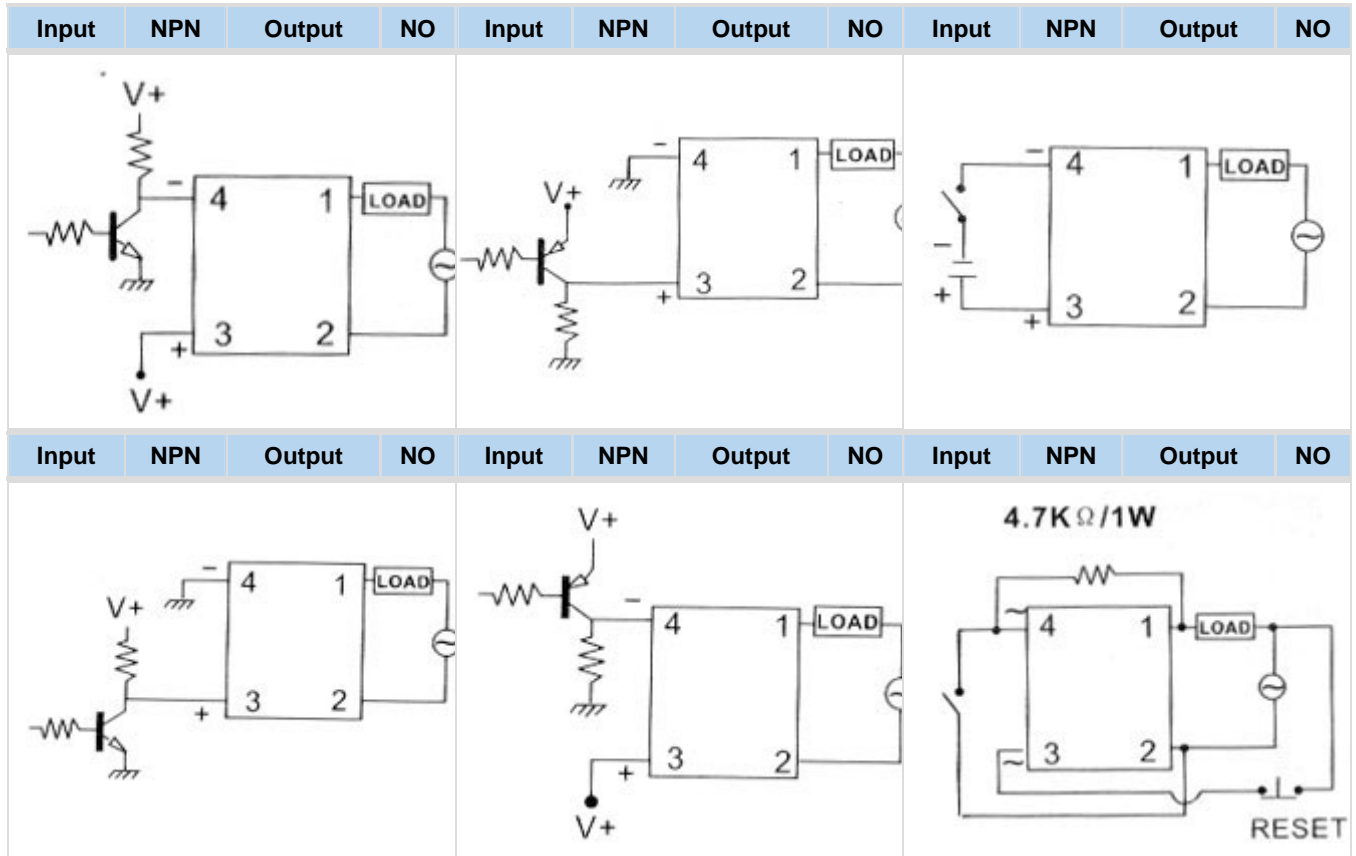


Variable resistance control method

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 | | 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. black voltage | 600VAC | | | | | |
| Voltage drop | 1.6V/25°C | | | | | |
| Max. durated 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/500VDC | | | | | |
| Operating temperature | -20°C~+80°C | | | | | |
| Housing Material | Intensive ABS | | | | | |
| Weight | 105G | | | | | |

Dimension and connection diagram :

