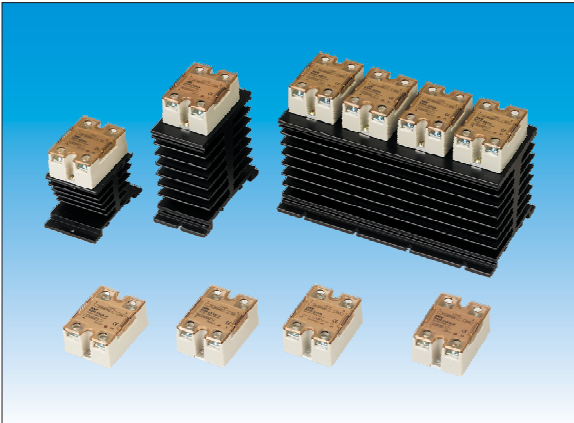
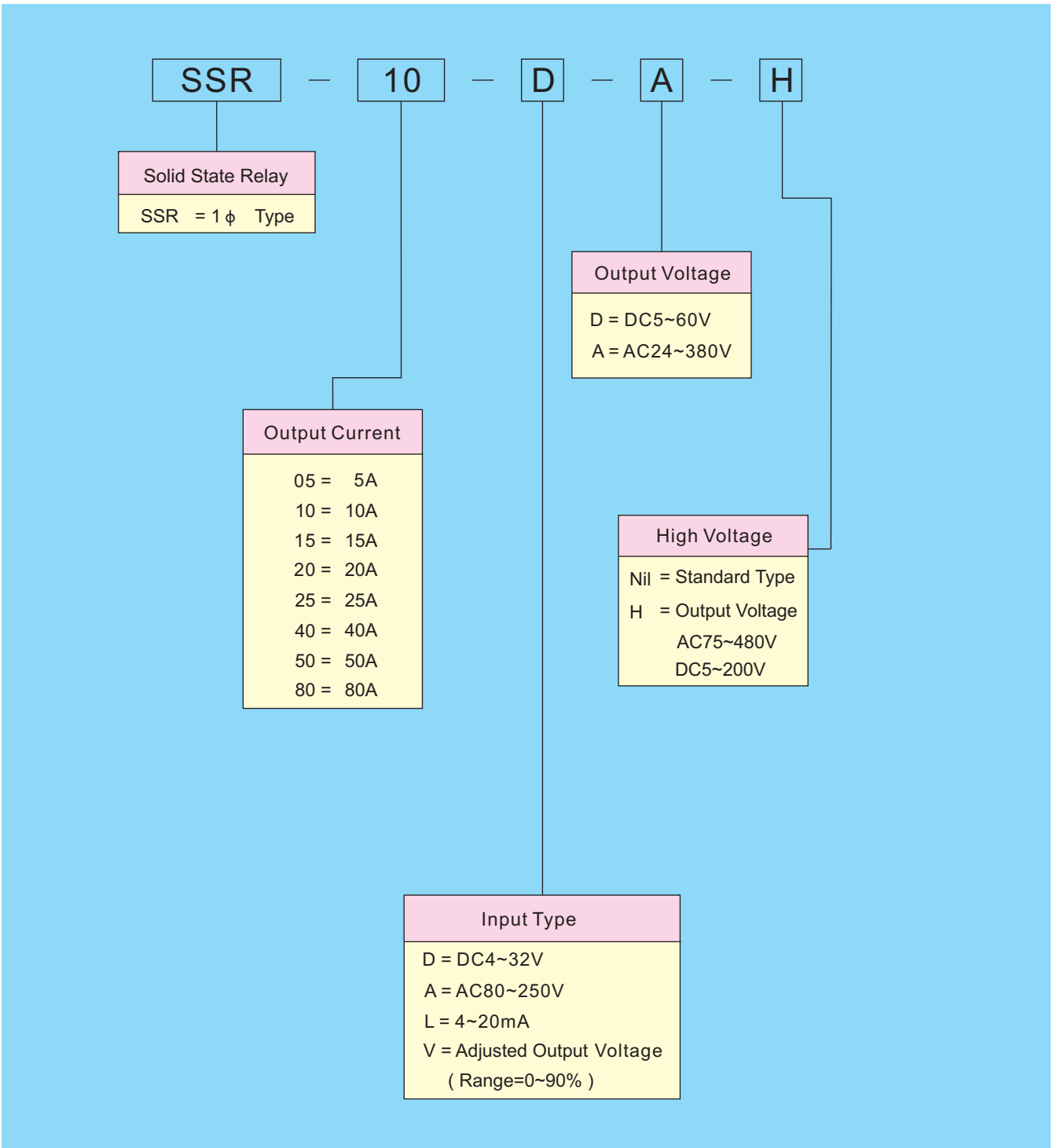


SSR Series



- Built-in operation indicator
- High isolation over than 50MΩ(500VDC)
- High dielectric over than 2.5KV
- Low EMI / EFI & surge by zero cross trigger method
- Output snubber circuit protection



MODEL	SSR-05DA	SSR-10DA	SSR-15DA	SSR-25DA	SSR-40DA	SSR-50DA	SSR-80DA
LOAD CURRENT	5A	10A	15A	25A	40A	50A	80A

INPUT DATA

OPERATING VOLTAGE	4~32VDC						
TRIGGER CURRENT	7.5mA/12VDC max						
CONTROL METHOD	Zero Cross Trigger						

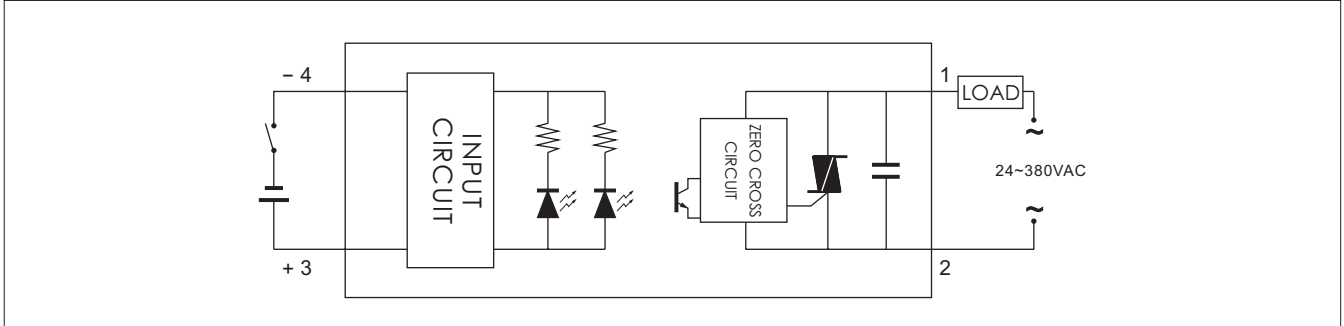
OUTPUT DATA

OPERATING VOLTAGE	24~380VAC						
VOLTAGE DROP	1.6V						
LEAKAGE CURRENT	< 3.0mA						
RESPONSE TIME	ON<10ms, OFF<10ms						

GENERAL DATA

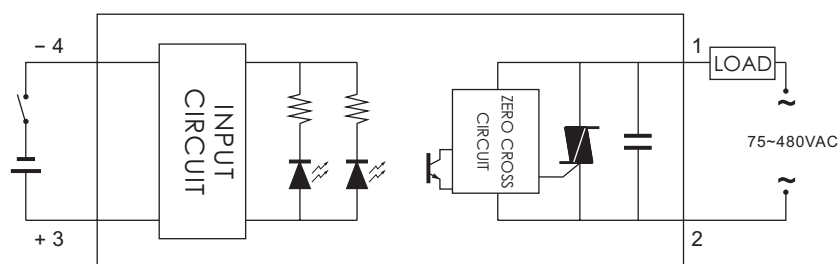
INSULATION RESISTANCE	Min. 50M Ω (500VDC)						
DIELECTRIC STRENGTH	2500VAC 50/60 Hz for 1 min						
AMBIENT TEMPERATURE	-20 $^{\circ}$ C ~+80						
AMBIENT HUMIDITY	45%~85%RH						
WEIGHT	Appr. 105g						

CONNECTION DIAGRAM



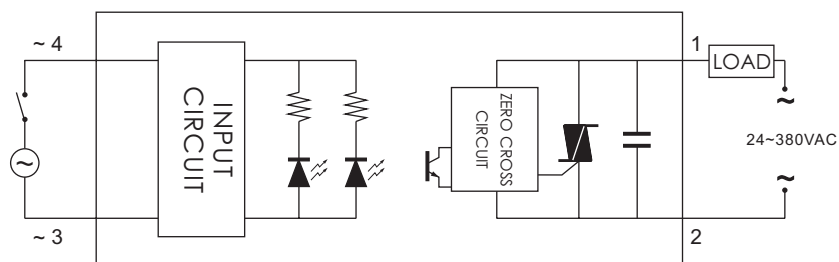
MODEL	SSR-10DA-H	SSR-15DA-H	SSR-25DA-H	SSR-40DA-H	SSR-50DA-H	SSR-80DA-H
LOAD CURRENT	10A	15A	25A	40A	50A	80A
INPUT DATA						
OPERATING VOLTAGE	4~32VDC					
TRIGGER CURRENT	7.5mA/12VDC max					
CONTROL METHOD	Zero Cross Trigger					
OUTPUT DATA						
OPERATING VOLTAGE	75~480VAC					
VOLTAGE DROP	1.6V					
LEAKAGE CURRENT	< 5.0mA					
RESPONSE TIME	ON<10ms, OFF<10ms					
GENERAL DATA						
INSULATION RESISTANCE	Min. 50M Ω (500VDC)					
DIELECTRIC STRENGTH	2500VAC 50/60 Hz for 1 min					
AMBIENT TEMPERATURE	-20 $^{\circ}$ C ~+80					
AMBIENT HUMIDITY	45%~85%RH					
WEIGHT	Appr. 105g					

CONNECTION DIAGRAM



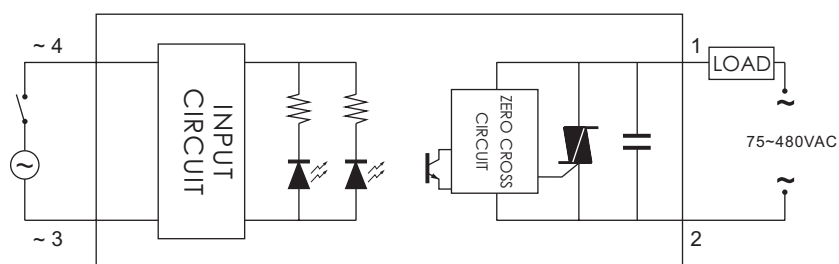
MODEL	SSR-05AA	SSR-10AA	SSR-15AA	SSR-25AA	SSR-40AA	SSR-50AA	SSR-80AA
LOAD CURRENT	5A	10A	15A	25A	40A	50A	80A
INPUT DATA							
OPERATING VOLTAGE	80~250VAC 50/60Hz						
TRIGGER CURRENT	5.0mA / 110VAC max						
CONTROL METHOD	Zero Cross Trigger						
OUTPUT DATA							
OPERATING VOLTAGE	24~380VAC						
VOLTAGE DROP	1.6V						
LEAKAGE CURRENT	< 3.0mA						
RESPONSE TIME	ON<20ms, OFF<20ms						
GENERAL DATA							
INSULATION RESISTANCE	Min. 50M Ω (500VDC)						
DIELECTRIC STRENGTH	2500VAC 50/60 Hz for 1 min						
AMBIENT TEMPERATURE	-20 $^{\circ}$ C ~+80						
AMBIENT HUMIDITY	45%~85%RH						
WEIGHT	Appr. 100g						

CONNECTION DIAGRAM



MODEL	SSR-10AA-H	SSR-15AA-H	SSR-25AA-H	SSR-40AA-H	SSR-50AA-H	SSR-80AA-H
LOAD CURRENT	10A	15A	25A	40A	50A	80A
INPUT DATA						
OPERATING VOLTAGE	80~250VAC 50/60Hz					
TRIGGER CURRENT	5.0mA / 110VAC max					
CONTROL METHOD	Zero Cross Trigger					
OUTPUT DATA						
OPERATING VOLTAGE	75~480VAC					
VOLTAGE DROP	1.6V					
LEAKAGE CURRENT	< 5.0mA					
RESPONSE TIME	ON<20ms, OFF<20ms					
GENERAL DATA						
INSULATION RESISTANCE	Min. 50MΩ (500VDC)					
DIELECTRIC STRENGTH	2500VAC 50/60 Hz for 1 min					
AMBIENT TEMPERATURE	-20°C ~+80					
AMBIENT HUMIDITY	45%~85%RH					
WEIGHT	Appr. 100g					

CONNECTION DIAGRAM



MODEL	SSR-05LA	SSR-10LA	SSR-15LA	SSR-25LA	SSR-40LA	SSR-50LA	SSR-80LA
LOAD CURRENT	5A	10A	15A	25A	40A	50A	80A

INPUT DATA

OPERATING CURRENT	4~20mA						
TRIGGER CURRENT	Zero Cross Trigger						

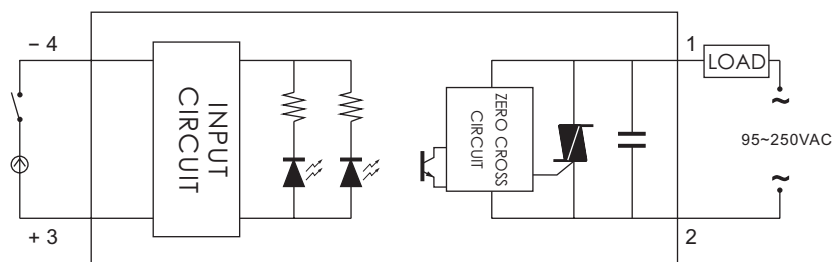
OUTPUT DATA

OPERATING VOLTAGE	90~250VAC						
VOLTAGE DROP	1.6V						
LEAKAGE CURRENT	< 3.0mA						
RESPONSE TIME	ON<10ms, OFF<10ms						

GENERAL DATA

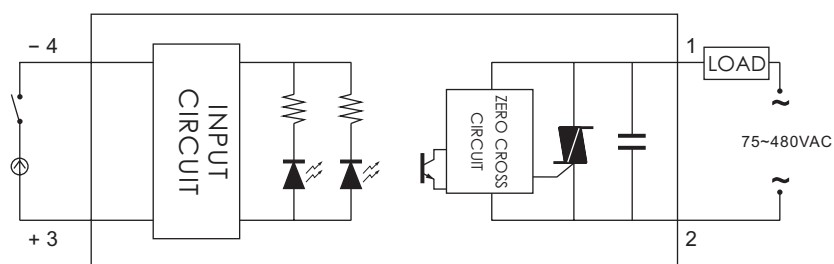
INSULATION RESISTANCE	Min. 50M Ω (500VDC)						
DIELECTRIC STRENGTH	2500VAC 50/60 Hz for 1 min						
AMBIENT TEMPERATURE	-20 $^{\circ}$ C ~+80						
AMBIENT HUMIDITY	45%~85%RH						
WEIGHT	Appr. 105g						

CONNECTION DIAGRAM



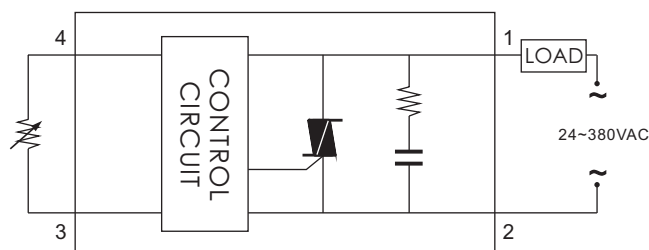
MODEL	SSR-10LA-H	SSR-15LA-H	SSR-25LA-H	SSR-40LA-H	SSR-50LA-H	SSR-80LA-H
LOAD CURRENT	10A	15A	25A	40A	50A	80A
INPUT DATA						
OPERATING CURRENT	4~20mA					
TRIGGER CURRENT	Zero Cross Trigger					
OUTPUT DATA						
OPERATING VOLTAGE	250~480VAC					
VOLTAGE DROP	1.6V					
LEAKAGE CURRENT	< 5.0mA					
RESPONSE TIME	ON<10ms, OFF<10ms					
GENERAL DATA						
INSULATION RESISTANCE	Min. 50M Ω (500VDC)					
DIELECTRIC STRENGTH	2500VAC 50/60 Hz for 1 min					
AMBIENT TEMPERATURE	-20 $^{\circ}$ C ~+80					
AMBIENT HUMIDITY	45%~85%RH					
WEIGHT	Appr. 105g					

CONNECTION DIAGRAM



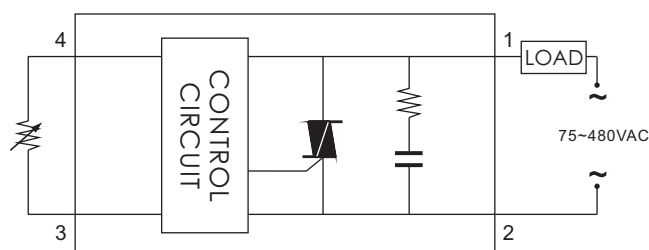
MODEL	SSR-05VA	SSR-10VA	SSR-15VA	SSR-25VA	SSR-40VA
LOAD CURRENT	5A	10A	15A	25A	40A
INPUT DATA					
VARIABLE RESISTANCE	Trimmer 250K Ω /110V, 500K Ω /220V, 1M Ω /380V				
CONTROL METHOD	Phase Control				
OUTPUT DATA					
OPERATING VOLTAGE	24~380VAC				
VOLTAGE DROP	1.6V				
LEAKAGE CURRENT	< 5.0mA				
GENERAL DATA					
INSULATION RESISTANCE	Min. 50M Ω (500VDC)				
DIELECTRIC STRENGTH	2500VAC 50/60 Hz for 1 min				
AMBIENT TEMPERATURE	-20 $^{\circ}$ C ~+80				
AMBIENT HUMIDITY	45%~85%RH				
WEIGHT	Appr. 100g				

CONNECTION DIAGRAM



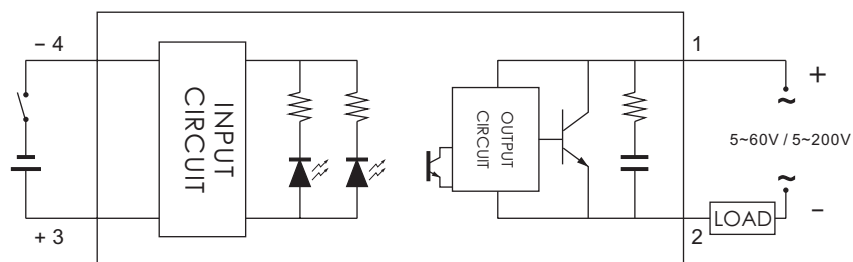
MODEL	SSR-10VA-H	SSR-15VA-H	SSR-25VA-H	SSR-40VA-H
LOAD CURRENT	10A	15A	25A	40A
INPUT DATA				
VARIABLE RESISTANCE	Trimmer 250KΩ/110V, 500KΩ/220V, 1MΩ/380V			
CONTROL METHOD	Phase Control			
OUTPUT DATA				
OPERATING VOLTAGE	75~480VAC			
VOLTAGE DROP	1.6V			
LEAKAGE CURRENT	< 5.0mA			
GENERAL DATA				
INSULATION RESISTANCE	Min. 50MΩ (500VDC)			
DIELECTRIC STRENGTH	2500VAC 50/60 Hz for 1 min			
AMBIENT TEMPERATURE	-20℃ ~+80			
AMBIENT HUMIDITY	45%~85%RH			
WEIGHT	Appr. 100g			

CONNECTION DIAGRAM



MODEL	SSR-05DD	SSR-10DD	SSR-20DD	SSR-30DD	SSR-05DD-H	SSR-10DD-H
LOAD CURRENT	5A	10A	20A	30A	5A	10A
INPUT DATA						
OPERATING VOLTAGE	3~32VDC					
TRIGGER CURRENT	7.5mA/12VDC max					
CONTROL METHOD	Isolated by Photocouple					
OUTPUT DATA						
OPERATING VOLTAGE	5~60VDC			5~200VDC		
VOLTAGE DROP	1.6V					
LEAKAGE CURRENT	< 0.8mA					
RESPONSE TIME	1ms <ON+OFF>					
GENERAL DATA						
INSULATION RESISTANCE	Min. 50MΩ (500VDC)					
DIELECTRIC STRENGTH	2500VAC 50/60 Hz for 1 min					
AMBIENT TEMPERATURE	-20°C ~+80					
AMBIENT HUMIDITY	45%~85%RH					
WEIGHT	Appr. 110g					

CONNECTION DIAGRAM

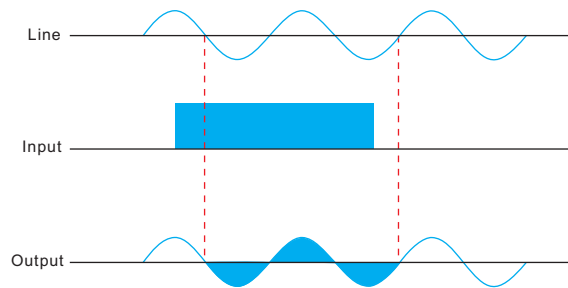


Control Method Zero Cross Trigger Method

Output TURN ON or TURN OFF

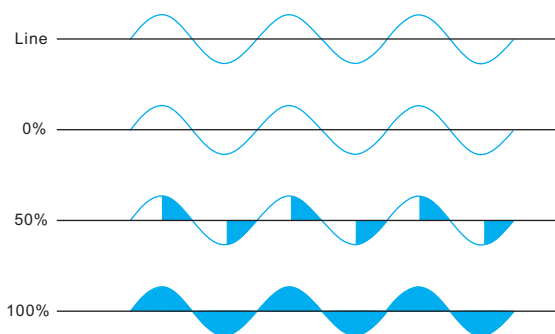
Only on zero cross point of sine wave , may avoid surge or EMI / RFI occuring

Specially suited to control resistive, capacitive and Non-saturated inductive loads



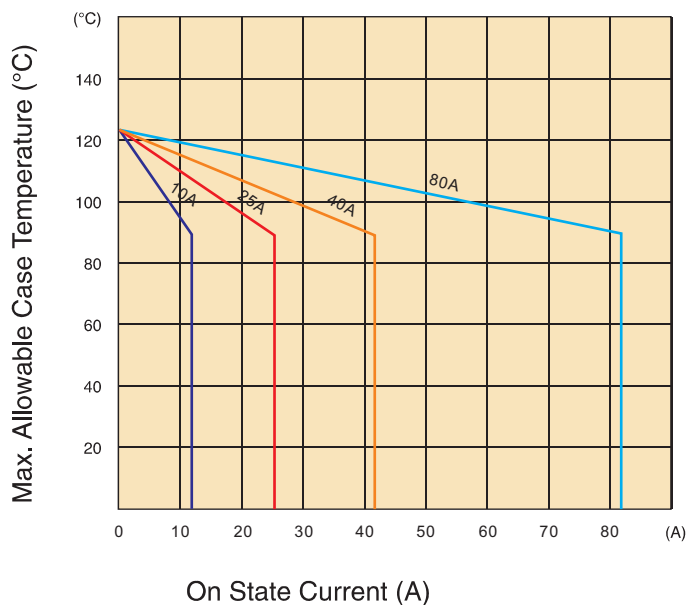
Variable Resistance Control Method < Trimmer Control >

Power output is controlled by the trigger angle of triac With variable resistor 250KΩ / 110VAC, 500KΩ / 220VAC, 1MΩ / 380V

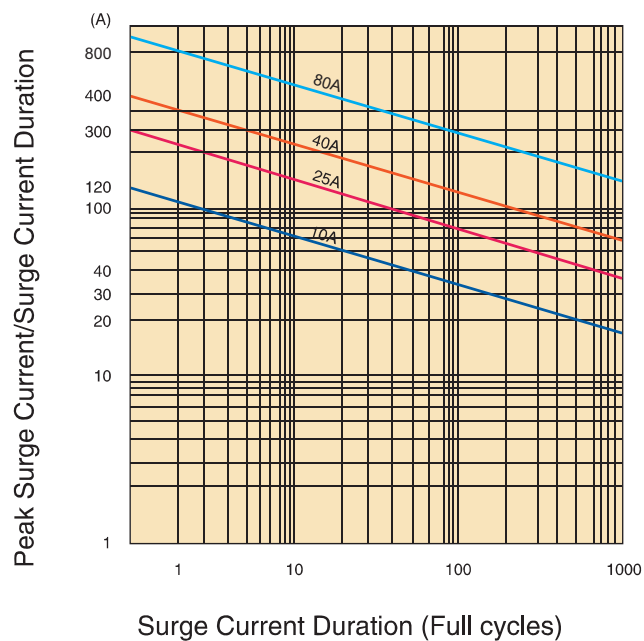


Referance Data

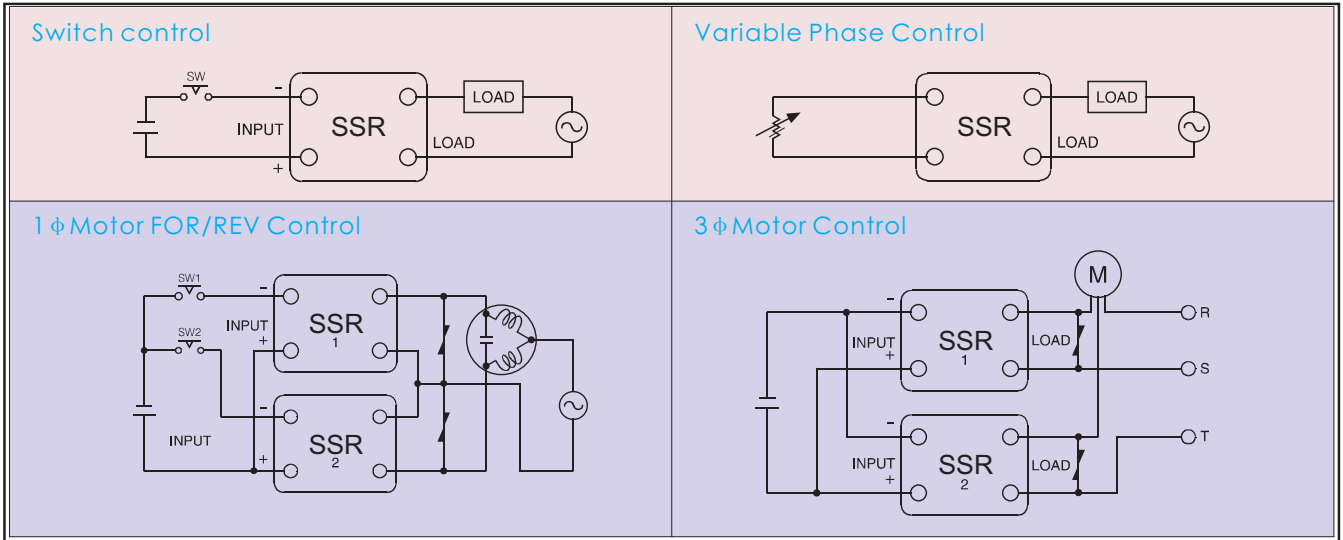
Max. Allowable Case Temperature



Peak Surge Current/Surge Current Duration



CONNECTION DIAGRAMS & DIMENSIONS



DIMENSIONS

