



AC to AC Solid State Relay

SSR Series

■ Specification

Type	Terminal Type				
Model	SSR-10AA	SSR-25AA	SSR-40AA	SSR-25AA-H	SSR-40AA-H
Rated Load Current	10A	25A	40A	25A	40A
Input Data					
Operating Voltage	80~250VAC 50 / 60Hz				
Min. ON / OFF Voltage	ON > 45V , OFF < 35V				
Trigger Current	5.0mA / 110VAC max.				
Control Method	Zero Cross Trigger				
Output Data					
Operating Voltage	24~380VAC			90~480VAC	
Min. Black Voltage	600 VAC < Repetive >				
Voltage Drop	1.6 V / 25 C				
Response Time	ON < 20ms , OFF < 20ms				
Max. Durated Current	135A	275A	410A	275A	410A
Leakage Current	3.0mA	5.0mA	3.0mA	5.0mA	5.0mA
General Data					
Dielectric Strength	Over 2.5KVAC / 1min.				
Isolation Strength	Over 50M Ω / 500VDC				
Operating Temperature	-20 C ~ +80 C				
Housing Material	Intensive ABS				
Weight	Appr. 110g				
Connection Diagram					
<p>The diagram illustrates the internal circuitry of the SSR. It features an 'INPUT CIRCUIT' on the left, which includes a transformer with primary terminals 3 and 4, and secondary terminals 1 and 2. The secondary winding is connected to a bridge rectifier circuit. This rectifier is followed by a 'ZERO CROSS CIRCUIT' containing a diode and a capacitor. The output of the zero-cross circuit is connected to the load terminals 1 and 2. A 'LOAD' is connected between terminals 1 and 2, and the output voltage is labeled as 24~380V.</p>					