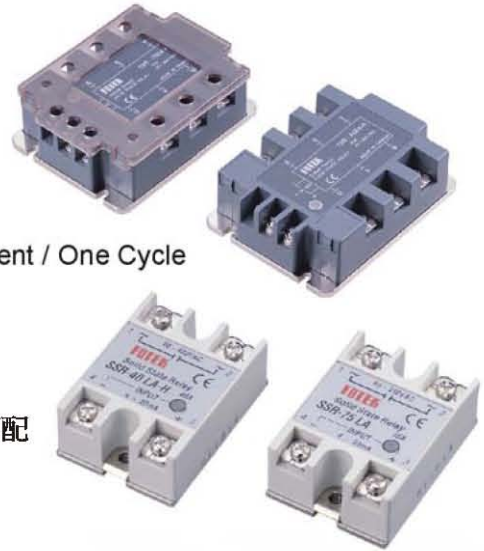


- ★ High Reliability by S.M.T. & TQC.
(Surface Mounting Technology)
- ★ High Isolation over than 50MΩ / 500VDC
- ★ High Dielectric over than 2.5KV
- ★ Low Enable Current less than 7.5mA / 12VDC
C MOS IC or TTL Compatible.
- ★ Low EMI / EFI & Surge by Zero Cross Trigger Method.
- ★ High Surge Current Duration Over 10 Times of Rated Current / One Cycle
- ★ High Surge Voltage Duration by Snubber Circuit.
- ★ 表面貼焊技術及全面品質管，提供最可靠的 SSR
- ★ 高絕緣阻抗超過 50MΩ / 500VDC
- ★ 高耐壓超過 2.5KV
- ★ 低觸發電流小於 7.5mA / 12VDC，可與 CMOS IC 及 TTL 匹配
- ★ 零點觸發方式避免電磁 / 高頻干擾
- ★ 高耐過電流，超過10倍額定電流/一週期
- ★ 具緩衝迴路可吸收瞬間突破



Guiding of Model

Terminal Type

Ex. **SSR-40 D A-H**

① ② ③ ④ ⑤

① **Product** 產品別

SSR: SINGLE PHASE SOLID STATE RELAY
單相固態繼電器
STR: THREE PHASE SOLID STATE RELAY
三相固態繼電器

② **Output Current** 輸出電流

10 : 10A 25 : 25A
40 : 40A 50 : 50A
75 : 75A

③ **Input Voltage** 輸入方式

D: DC 3W ~ 32V < ON/OFF >
A: AC 80 ~ 250V < ON/OFF >
L: 4 ~ 20mA (linear)
V: VARIABLE RESISTER

④ **Output Voltage** 輸出電壓

A: AC VOLTAGE
D: DC VOLTAGE

⑤ **Output Voltage Range** 輸出電壓範圍

H : High Voltage Type < 90 ~ 480VAC >
Non: Standard Type < 24 ~ 380VAC >

PCB Type

Ex. **SSR-P 03 D A**

① ② ③ ④ ⑤

① **Product** 產品別

SSR : SINGLE PHASE SOLID STATE

② **Mounting Method** 固定方式

PCB: PCB TYPE

③ **Output Current** 輸出電流

03 = 3A
05 = 5A

④ **Input Method** 輸入方式

D : DC VOLTAGE

⑤ **Output Voltage** 輸出電壓

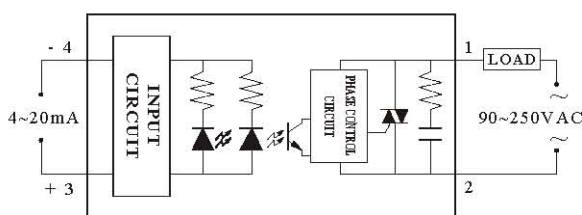
D : DC 5 ~ 60V
A : AC 24 ~ 280V

FOTEK SSR-LA SERIES LINEAR CONTROL SOLID STATE RELAY

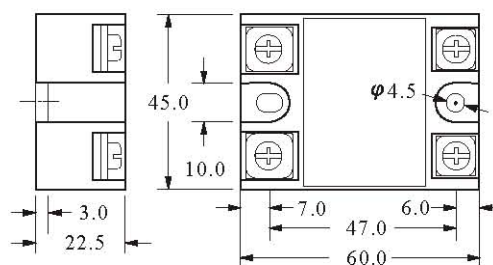
■ Specification

Type	Standard Type			
Model	SSR-25LA	SSR-40LA	SSR-50LA	SSR-75LA
Rated Load Current	25A	40A	50A	75A
Input Data				
Input	4~20mA			
Input Resistance	Appr.1.2KΩ			
Control Method	Phase Control			
Operating Data				
Operating Voltage	90~250 VAC			
Min. Blocking Voltage	600 VAC<Repetitive>			
Max. Duratde Current	275A	410A	550A	820A
Leakage Current	≤0.5% of Full Load			
Peak Voltage	Over 1200VAC			
General Data				
Dielectric Strength	Over 2.5KVAC/1min.			
Isolation Strength	Over 50M Ω/ 500VDC			
Operating Temperature	-20℃ ~+80℃			
Housing Material	Intensive ABS			
Weight	Appr.105g		Appr.110g	

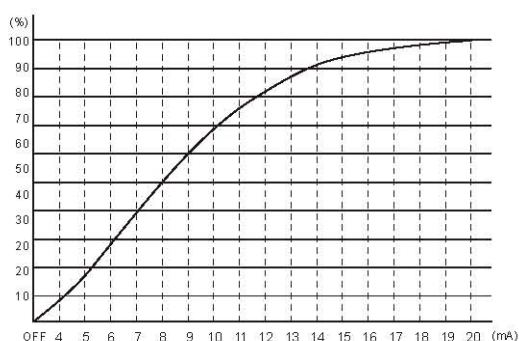
Connection Diagram



Dimension



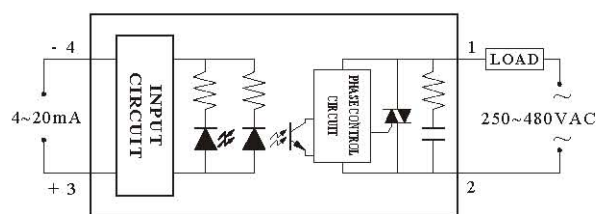
Input Current VS Output Current



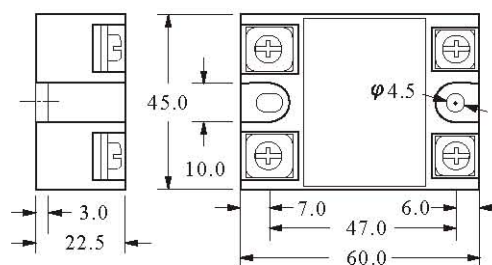
■ Specification

Type	Standard Type			
Model	SSR-25LAH	SSR-40LAH	SSR-50LAH	SSR-75LAH
Rated Load Current	25A	40A	50A	75A
Input Data				
Input	4~20mA			
Input Resistance	Appr.1.2KΩ			
Control Method	Phase Control			
Operating Data				
Operating Voltage	250~480 VAC			
Min. Blocking Voltage	600 VAC<Repetitive>			
Max. Duratde Current	275A	410A	550A	820A
Leakage Current	≤0.5% of Full Load			
Peak Voltage	1200V			
General Data				
Dielectric Strength	Over 2.5KVAC/1min.			
Isolation Strength	Over 50M Ω/ 500VDC			
Operating Temperature	-20℃ ~+80℃			
Housing Material	Intensive ABS			
Weight	Appr.105g		Appr.110g	

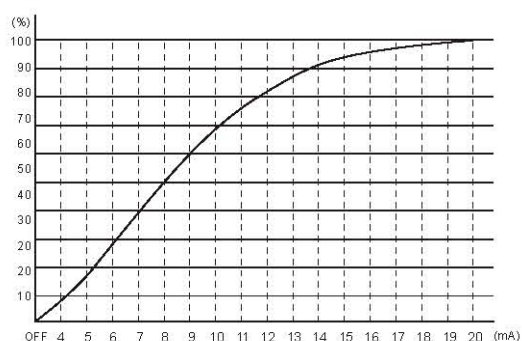
Connection Diagram



Dimension

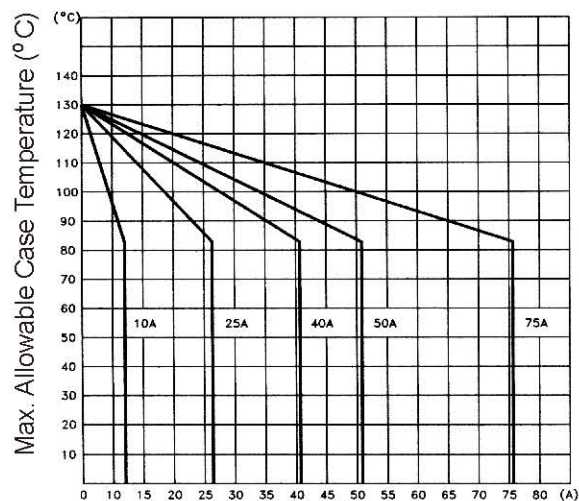


Input Current VS Output Current



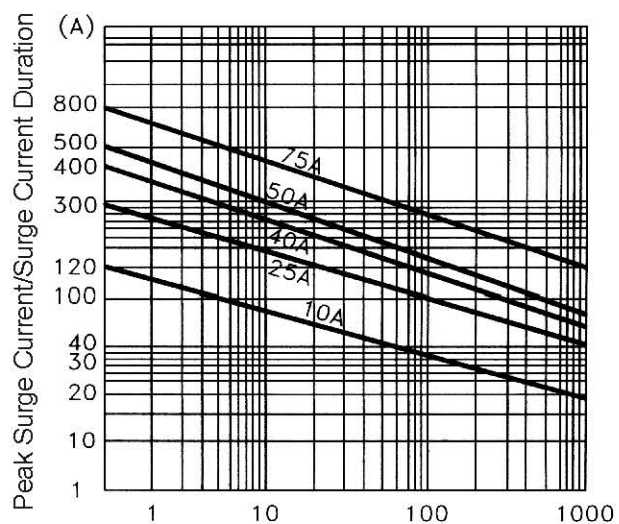
Curve of Characteristic

Max. Allowable Case Temperature
 最高容許表面溫度



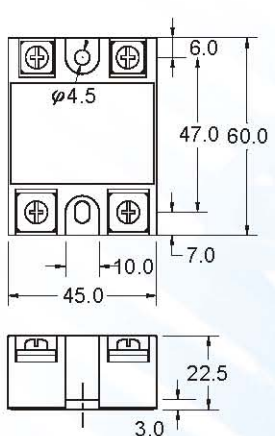
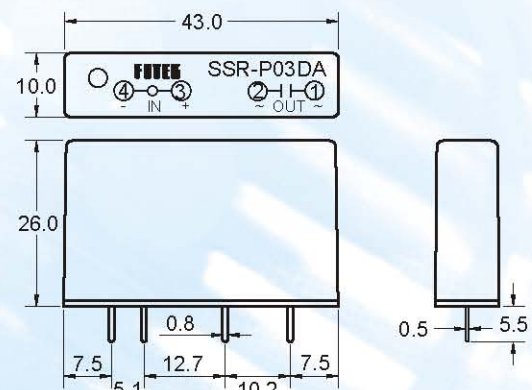
ON State Current (A) 動作電流

Peak Surge Current/Surge Current Duration
 衝擊電流／承受次數



Surge Current Duration (Full cycles)

Dimension

Terminal Type	PCB Type
	

Control Method

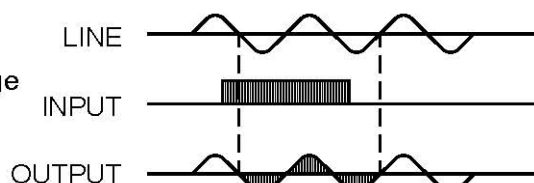
Zero Cross Trigger Method

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.

輸出只在正弦波的零點才會動作或復歸，可避免生突波或 EM / RFI，特別適於控制阻抗性，電容性和不飽和感性等負載。

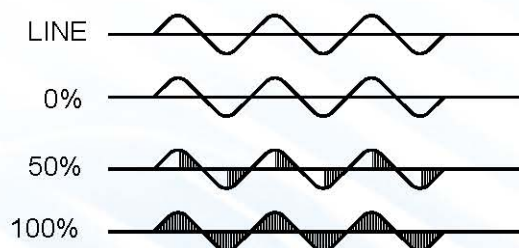


Variable Resistance Control Method

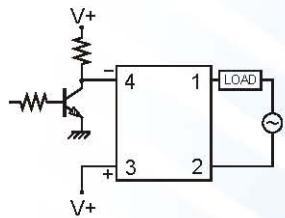
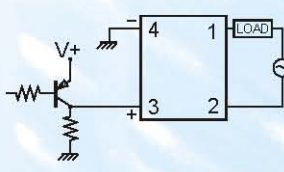
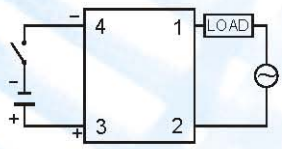
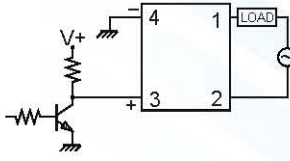
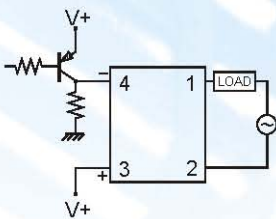
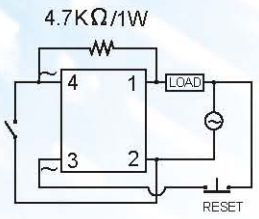
< Trimmer Control Method >

Power Output is Controlled by the Trigger Angle of Triac with Variable Resistor 250K Ω /110VAC, 500K Ω /220VAC

輸出功率以可變電阻 250K Ω /110VAC, 500K Ω /220VAC 控制 Triac 觸發角決定輸出功率。



Application Hints

Input	NPN	Output	NO	Input	PNP	Output	NO	Input	L.S.	Output	NO
											
Input	NPN	Output	NC	Input	PNP	Output	NC	Latch Circuit (AC to AC)			
											

■ Dimension < Heat Sink >

