

THREE PHASE POWER REGULATOR



>>> 產品特性

Product Characteristic

- 本控制器具有**CE**國際安全之認證。
- 具有**R.S.T**各相保險絲斷路指示燈，並提供異常輸出接點，可做系統緊急控制之用。
- 體積精巧、散熱佳，內含半導體專用快速保險絲，不怕負載短路。
- 冷卻風扇動作具有溫度控制，當散熱片溫度**55°C**時工作，**45°C**時停止，可提高風扇壽命**2~3**倍。
- 本控制器之保護裝置：來源電欠相、保險絲斷線檢知及本控制器超溫等保護，並具異常輸出接點，可供遠端監控使用，接點容量**250VAC/3A**。
- 緩啟動時間可調整（**0~16**秒），應用於需要緩啟動的負載，讓負載部會瞬間全壓輸出。（相位輸出）
- 線性電壓輸出。
- This controller is passed CE international quality accreditation.
- It has R.S.T one phases fuse wire broken direction light, and offer a output point for abnormal condition, also can be emergency control for the system.
- Small size, good cooling and it has speed fuse wire for semi-conductor use, so don't worry short circuit caused by overload.
- Cooling fans has temperature control, the cooling sheet working at 55°C and stop at 45°C, this design can extend use-life of fans 2~3 times.
- The protection equipment: checking and finding of phase failure of power, fuse broke of this controller, and unusual output point for cooling fin overheat of this controller, for destant end supervising and controlling, capacity: 250VAC / 3A.
- Soft start time adjustable (0~16 second), application to need soft starts of load, let the load end not output all voltage in the twinkling of an eye. (angle phase)
- Linear output voltage.

三相SCR電力調整器微電腦系列

THREE PHASE POWER REGULATOR



>>> 一般特性

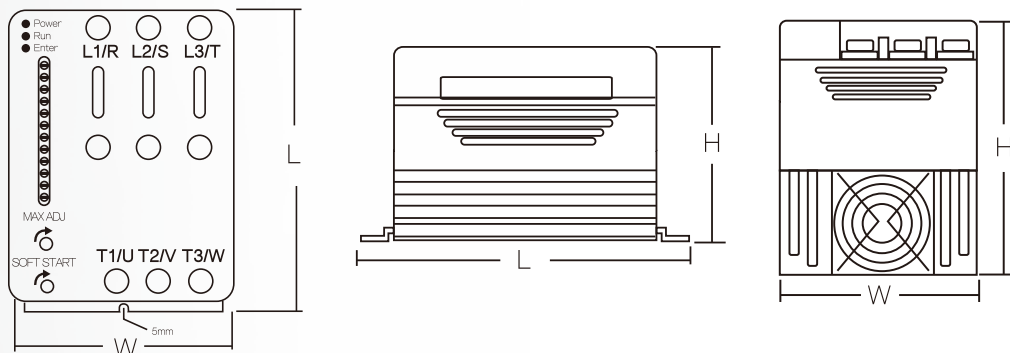
General Characteristic

主電源電壓 main power voltage	208~480VAC±10%
控制電源電壓 Auxiliary voltage	220V±10% (提供 110VAC 選擇, 請事先告知) (Offer 110VAC to choose, need to tell to the sales)
額定電流 Rated current	20A 36A 52A 68A
工作頻率 work frequency	自動判斷 50 / 60Hz Auto 50 / 60Hz
輸出範圍 Output voltage range	0~100%
輸出方式 Output type	相位輸出 (緩啟動時間可調整 0~16 秒)、分配零位輸出、線性電壓輸出 Angle phase.(Soft start time adjustable 0~16 second.) Zero Crossing, Linear output voltage.
相位輸入控制訊號 Angle phase input signal	4~20mA, 0~5V, 1~5V, 1~10V, 2~10V
相位輸入控制訊號 Angle phase input signal	-10°C~45°C 濕度 90%RH 以下 -10°C~45°C Humidity under 90%RH.
絕緣阻抗 Insulation resistance	20MΩ 以上 (電源與外殼間)、20MΩ 以上 (輸入訊號與外殼間) Over 20MΩ(power & external cover), Over 20MΩ(input signal & external cover)
耐壓強度 Strength of press-resisted	電源與外殼間 2500VAC/1 分鐘、輸入訊號與外殼間 1000VAC/1 分鐘 2500VAC/1mm between power & external cover, 1000VAC/1mm between input signal & external cover

三相SCR電力調整器微電腦系列 Three Phase Power Regulator 產品規格選擇 Choice of Specification & Models

輸出方式 Rated current	輔助電源 Auxiliary voltage	主電源 Main power voltage	額定電流 Rated current	型號 Model	長 L(mm)	寬 W(mm)	高 H(mm)
相位輸出 Angle phase	220VAC	208~480VAC	20A	JK3PS-48020	166	94	136
			36A	JK3PS-48036	166	94	136
			52A	JK3PS-48052	166	94	136
			68A	JK3PS-48068	193	94	136
分配式零位輸出 Zero Crossing	220VAC	208~480VAC	20A	JK3PSZ-48020	166	94	136
			36A	JK3PSZ-48036	166	94	136
			52A	JK3PSZ-48052	166	94	136
			68A	JK3PSZ-48068	193	94	136

上述資料若有變更, 恕不另行通知, 敬請見諒! All specifications can be modified.



三相SCR電力調整器



THREE PHASE POWER REGULATOR

>>> 產品特性

Product Characteristic

- 本控制器具有CE, EN61000-4-2、EN61000-4-4、EN61000-4-8、EN61000-4-6, Low Voltage Directive:73/23EEC, 國際安全之認證。
- 具有R.S.T各相保險絲斷路指示燈, 並提供異常輸出接點, 可做系統緊急控制之用。
- 體積精巧、散熱佳, 內含半導體專用快速保險絲, 不怕負載短路。
- 冷卻風扇動作具有溫度控制, 當散熱片溫度55°C時工作, 45°C時停止, 可提高風扇壽命2~3倍。
- 本控制器之保護裝置: 來源電欠相、保險絲斷線檢知及本控制器超溫等保護, 並具異常輸出接點, 可供遠端監控使用, 接點容量240VAC/5A。
- 內含半導體專用快速保險絲, 不怕負載短路, 具有保險絲R、S、T斷線檢知功能, 每相都具有燈號顯示, 提供快速明確維修情況。
- This controller is passed CE international quality accreditation.
- It has R.S.T. one phases' fuse wire broken direction light, and offer a output point for abnormal condition, also can be emergency control for the system.
- Small size, good cooling and it has speed fuse wire for semi-conductor use, so, don't worry short circuit caused by overload.
- Cooling fans has temperature control, the cooling sheet working at 55°C, and stop at 45°C, this design can extend use-life of fans 2-3 times.
- The protection equipment: checking and finding of phase failure of power, fuse broke of this controller, and unusual output point for cooling fin overheat of this controller, for distant end supervising and controlling, capacity: 240 VAC/5A.
- It has speed fuse wire for semi-conductor use, so, don't worry short circuit caused by overload. It has R.S.T one phases' fuse wire break and examine and know the function, every phase with signal light offers the fast fix situation clearly of speed of skill.

>>> 一般特性

General Characteristic

主電源電壓 main power voltage	AC220V 380V 440V 480V ±10%
補助電壓 assistance voltage	AC220V±10% 50/60Hz
額定電流 rated current	25A 35A 50A 60A 80A 100A 125A 160A 180A 200A 225A 250A 300A 350A 400A 600A 750A
工作頻率 work frequency	50 / 60Hz
輸出方式 output type	相位輸出, 零位輸出, 線性電壓輸出(L.V.型) Phase angel, Zero crossing, Liner voltage output
相位輸入控制訊號 phase input control signal	4-20mA, 0-5V, 1-5V, 0-10V, 2-10V, 8秒緩衝 手動/自動 Relay切換 4-20mA, 0-5V, 1-5V, 0-10V, 2-10V, 8's Soft Start Manuall Auto Relay changed
零位輸入控制訊號 zero input control signal	4-20mA, 1-5V, 0-10V, 2-10V 手動/自動 Relay切換 4-20mA, 1-5V, 0-10V, 2-10V Manual / Auto Relay changed
輸出電壓範圍 output voltage range	0~100%
使用環境 use environment	-10°C~50°C 溼度 90%RH以下 Humidity Under 90% RH
絕緣阻抗 insulation resistance	20MΩ 以上(電源與外殼間) Over 20MΩ (power & external cover) 20MΩ 以上(輸入信號與外殼間) Over 20MΩ (input signal & external cover)
耐壓強度 strength of press-resisted	電源與外殼間 2500VAC/1分鐘 2500VAC/1min between power & external cover 電源與輸入信號 1000VAC/1分鐘 1000VAC/1min between power & input signal

三相SCR電力調整器

THREE PHASE POWER REGULATOR



>>> 型號規格選擇 Choice of Specification & Models

《3相3線相位控制(3Φ3W)》

補助電壓 assistance voltage	主電源電壓 main power voltage	額定電流 Rated current	型號 model (3Φ3W)	長 L (mm)	寬 W (mm)	高 H (mm)	圖 P
220V	208V~240V	25A	JK3PS-22025	220	142	154	1
		35A	JK3PS-22035	220	142	154	1
		50A	JK3PS-22050	243	142	154	2
		60A	JK3PS-22060	243	142	154	2
		80A	JK3PS-22080	243	142	154	2
		100A	JK3PS-22100	243	142	154	3
		125A	JK3PS-22125	305	141	172	3
		160A	JK3PS-22160	305	141	172	4
		180A	JK3PS-22180	365	141	200	4
		200A	JK3PS-22200	365	141	200	5
		225A	JK3PS-22225	400	263	210	5
		250A	JK3PS-22250	400	263	210	5
		300A	JK3PS-22300	400	263	210	6
		350A	JK3PS-22350	530	306	247	6
		400A	JK3PS-22400	530	306	247	6
220V	380V~480V	600A	JK3PS-22600	710	365	285	7
		750A	JK3PS-22750	710	365	285	7
		25A	JK3PS-48025	220	142	154	1
		35A	JK3PS-48035	220	142	154	1
		50A	JK3PS-48050	243	142	154	2
		60A	JK3PS-48060	243	142	154	2
		80A	JK3PS-48080	243	142	154	2
		100A	JK3PS-48100	243	142	154	2
		125A	JK3PS-48125	305	141	172	3
		160A	JK3PS-48160	305	141	172	3
		180A	JK3PS-48180	365	141	200	4
		200A	JK3PS-48200	365	141	200	4
		225A	JK3PS-48225	400	263	210	5
		250A	JK3PS-48250	400	263	210	5
		300A	JK3PS-48300	400	263	210	5
350A	JK3PS-48350	530	306	247	6		
400A	JK3PS-48400	530	306	247	6		
600A	JK3PS-48600	710	365	285	7		
750A	JK3PS-48750	710	365	285	7		

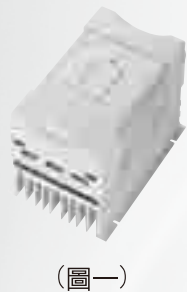
上述資料若有變更，恕不另行通知，敬請見諒！All specifications can be modified.

《3相2線零位控制(3Φ2W)》

補助電壓 assistance voltage	主電源電壓 main power voltage	額定電流 Rated current	型號 model (3Φ2W)	長 L (mm)	寬 W (mm)	高 H (mm)	圖 P
220V	208V~240V	25A	JK2PSZ-22025	220	142	154	1
		35A	JK2PSZ-22035	220	142	154	1
		50A	JK2PSZ-22050	220	142	154	1
		60A	JK2PSZ-22060	243	142	154	2
		80A	JK2PSZ-22080	243	142	154	2
		100A	JK2PSZ-22100	243	142	154	2
		125A	JK2PSZ-22125	305	141	172	3
		160A	JK2PSZ-22160	305	141	172	3
		180A	JK2PSZ-22180	355	141	172	4
		200A	JK2PSZ-22200	355	141	172	4
		225A	JK2PSZ-22225	400	263	210	5
		250A	JK2PSZ-22250	400	263	210	5
		300A	JK2PSZ-22300	400	263	210	5
		350A	JK2PSZ-22350	400	263	210	5
		220V	380V~480V	400A	JK2PSZ-22400	400	263
450A	JK2PSZ-22450			400	263	210	5
500A	JK2PSZ-22500			530	306	247	6
600A	JK2PSZ-22600			530	306	247	6
750A	JK2PSZ-22750			710	365	285	7
25A	JK2PSZ-48025			220	142	154	1
35A	JK2PSZ-48035			220	142	154	1
50A	JK2PSZ-48050			243	142	154	1
60A	JK2PSZ-48060			243	142	154	2
80A	JK2PSZ-48080			243	142	154	2
100A	JK2PSZ-48100			243	142	154	2
125A	JK2PSZ-48125			305	141	172	3
160A	JK2PSZ-48160			305	141	172	3
180A	JK2PSZ-48180			355	141	172	4
200A	JK2PSZ-48200			355	141	172	4
225A	JK2PSZ-48225	400	263	210	5		
250A	JK2PSZ-48250	400	263	210	5		
300A	JK2PSZ-48300	400	263	210	5		
350A	JK2PSZ-48350	400	263	210	5		
400A	JK2PSZ-48400	400	263	210	5		
450A	JK2PSZ-48450	400	263	210	5		
500A	JK2PSZ-48500	530	306	247	6		
600A	JK2PSZ-48600	530	306	247	6		
750A	JK2PSZ-48750	710	365	285	7		

上述資料若有變更，恕不另行通知，敬請見諒！All specifications can be modified.

※ JK3PS-22180, JK3PS-22200, JK3PS-48180, JK3PS-48200外觀類似圖4，但尺寸與零位不同



(圖一)



(圖二)



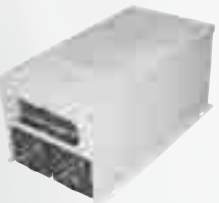
(圖三)



(圖四)



(圖五)



(圖六)



(圖七)

三相SCR電力調整器

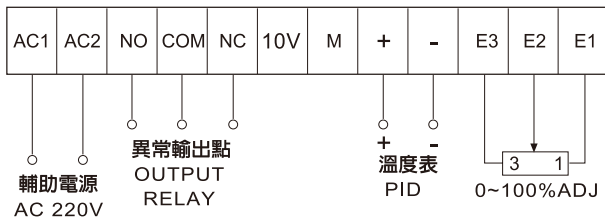
THREE PHASE POWER REGULATOR



>>> 控制線路圖 (相位控制)

General Characteristic

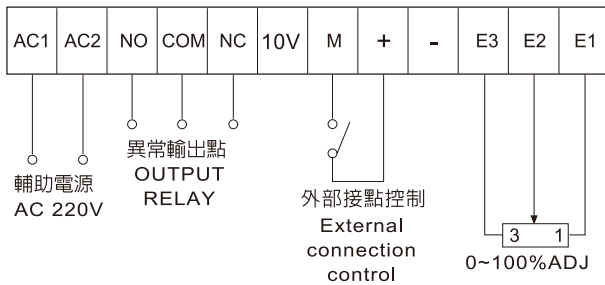
- (1) 輸入電壓，電流訊號；外部VR可調 (VR為10KΩ)
 Analog volt, current input with adjustable external VR
 (The VR model is 10K5Ω)



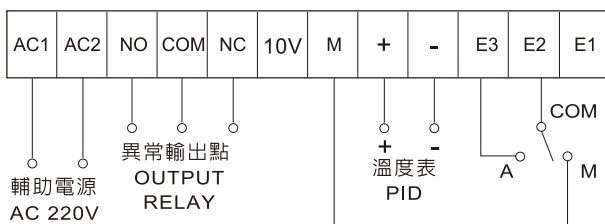
(外部VR不使用時，請將E3，E2短路)
 (Please jump E3 and E2 when external VR not be used)

- ★外部VR調整最小值會無輸出功率
 (It'll have no output rate when adjusting external VR to minimum value.)

- (2) 輸入接點訊號，外部VR可調
 Contact inp ut with adjustable external VR



- (4) 溫度表自動控制/手動全壓輸出
 Auto control of PID / Manual full load of output

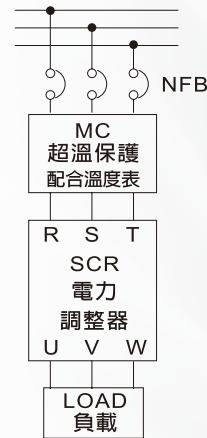


- ★NO,COM,NC:異常訊號輸出接點240VAC/5A
- ★M點為控制器輸出DC5V/100mA
- ★機板內部功能設定

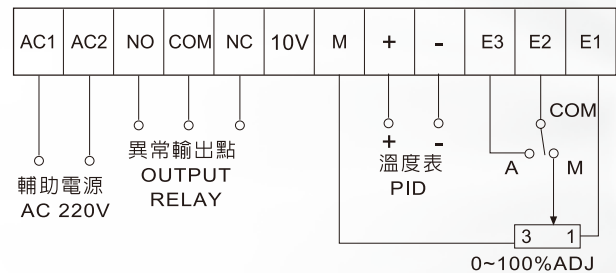
輸入訊號設定



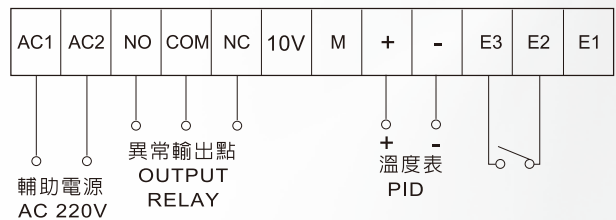
三相來源電



- (3) 溫度表自動控制/外部VR控制
 Auto control of PID / control of VR



- (5) 溫度表輸入訊號外部接點控制
 External connection control of PID input signal



※ 黑色部份為指撥開關的位置。
 (例如：1調上、2調下、3調上為4-20mA)

三相SCR電力調整器

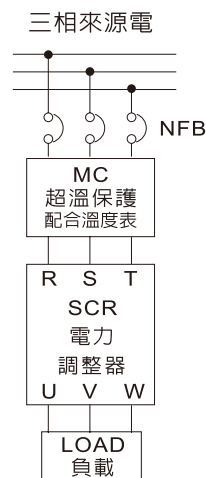
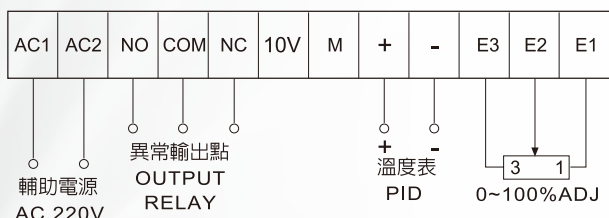
THREE PHASE POWER REGULATOR



>>> 控制線路圖 (零位控制)

General Characteristic

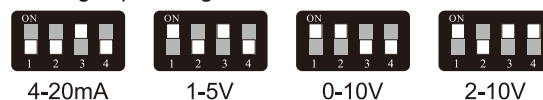
- (1) 輸入電壓，電流訊號；外部VR可調 (VR 為10KΩ)
 Analog volt, current input with adjustable external VR
 (The VR model is 10K5Ω)



- (外部VR不使用時，請將E3，E2短路)
 (Please jump E3 and E2 when external VR not be used)

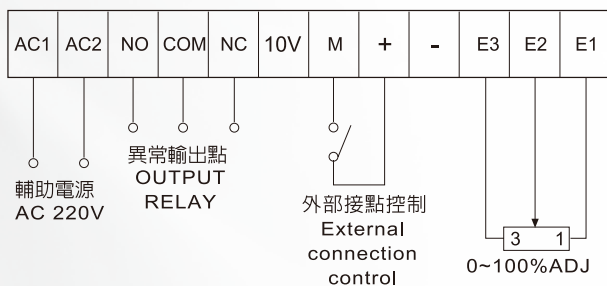
- ★ 外部VR調整最小值會無輸出功率
 (It'll have no output rate when adjusting external VR to minimum value.)

輸入訊號設定 Setting input single

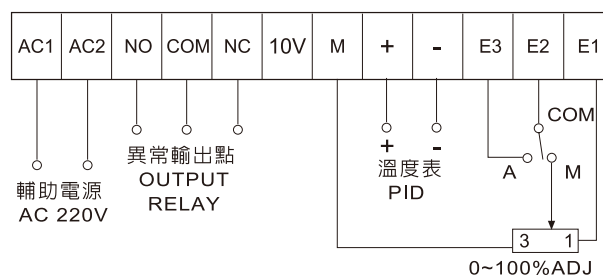


- ※ 黑色部份為指撥開關的位置。
 (例如：1調上、2調上、3調下、4調上為4-20mA)

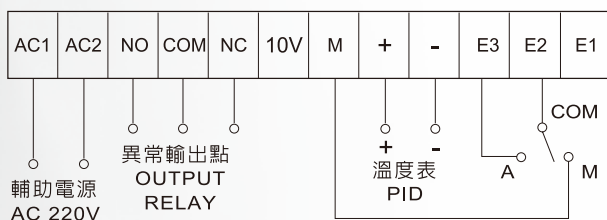
- (2) 輸入接點訊號，外部VR可調
 Contact input with adjustable external VR



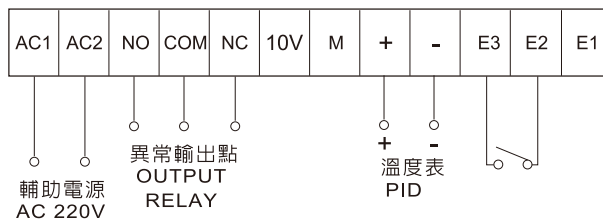
- (3) 溫度表自動控制/外部VR控制
 Auto control of PID / control of VR



- (4) 溫度表自動控制/手動全壓輸出
 Auto control of PID / Manual full load of output



- (5) 溫度表輸入訊號外部接點控制
 External connection control of PID input signal



- ★ NO, COM, NC: 異常訊號輸出接點240VAC/5A
 ★ M點為控制器輸出DC5V/100mA

三相SCR電力調整器

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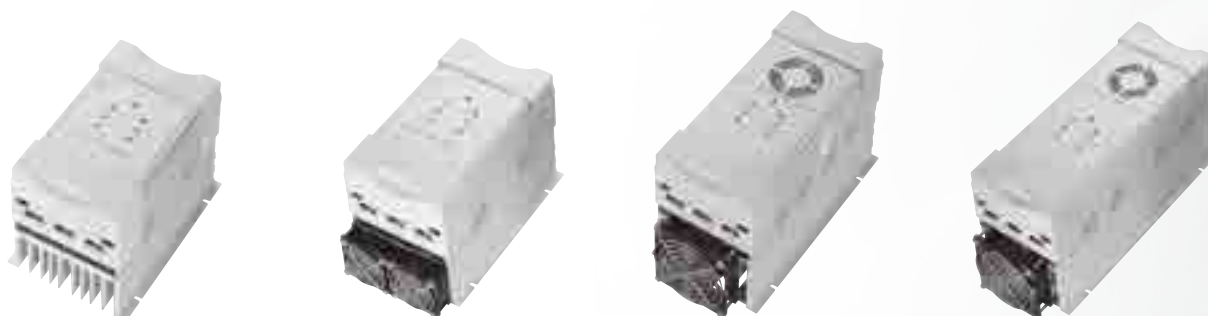


>>> 型號規格選擇 Choice of Specification & Models

《3相3線感性負載(3Φ3W)PTS系列》適用於變壓器及非電阻式負載

補助電壓 assistance voltage	主電源電壓 main power voltage	額定電流 Rated current	型號 model (3 φ 3W)	長 L (mm)	寬 W (mm)	高 H (mm)	圖 P
220V	208V~240V	25A	JK3PTS-22025	220	142	154	1
		35A	JK3PTS-22035	220	142	154	1
		50A	JK3PTS-22050	243	142	154	2
		60A	JK3PTS-22060	243	142	154	2
		80A	JK3PTS-22080	243	142	154	2
		100A	JK3PTS-22100	243	142	154	2
		125A	JK3PTS-22125	305	141	172	3
		160A	JK3PTS-22160	305	141	172	3
		180A	JK3PTS-22180	365	141	200	4
		200A	JK3PTS-22200	365	141	200	4
		225A	JK3PTS-22225	400	263	210	5
		250A	JK3PTS-22250	400	263	210	5
		300A	JK3PTS-22300	400	263	210	5
		350A	JK3PTS-22350	530	306	247	6
		400A	JK3PTS-22400	530	306	247	6
220V	380V~480V	25A	JK3PTS-48025	220	142	154	1
		35A	JK3PTS-48035	220	142	154	1
		50A	JK3PTS-48050	243	142	154	2
		60A	JK3PTS-48060	243	142	154	2
		80A	JK3PTS-48080	243	142	154	2
		100A	JK3PTS-48100	243	142	154	2
		125A	JK3PTS-48125	305	141	172	3
		160A	JK3PTS-48160	305	141	172	3
		180A	JK3PTS-48180	365	141	200	4
		200A	JK3PTS-48200	365	141	200	4
		225A	JK3PTS-48225	400	263	210	5
		250A	JK3PTS-48250	400	263	210	5
		300A	JK3PTS-48300	400	263	210	5
		350A	JK3PTS-48350	530	306	247	6
		400A	JK3PTS-48400	530	306	247	6
600A	JK3PTS-48600	710	365	285	7		
750A	JK3PTS-48750	710	365	285	7		

上述資料若有變更，恕不另行通知，敬請見諒！All specifications can be modified.



(圖一)

(圖二)

(圖三)

(圖四)



(圖五)



(圖六)



(圖七)

單相SCR電力調整器



SINGLE PHASE POWER REGULATOR

>>> 產品特性

Product Characteristic

- 體積精巧，散熱佳，本產品具CE國際安全之認證。
- 省能源，高效率，精密的溫度控制器。
- 保護型系列具有：來源電欠相、保險絲斷線檢知及本控制器散熱片超溫等保護，並提供異常輸出接點，可供遠端監控使用。
- Small size, good cooling, appearance construction and has passed CE international quality accreditation.
- Save power, high efficiency, and precise temperature controller.
- Protection model series include: the protection equipment, checking and finding of phase failure of power, fuse broke of this controller, and unusual output point for cooling fin overheat of this controller, for distant end supervising and controlling.

>>> 一般特性

General Characteristic

主電源電壓 main power voltage	AC110V, 220V, 380V, 440V ±10%
額定電流 rated current	20A 30A 40A 50A 60A
工作頻率 work frequency	47-63Hz
輸出方式 output type	相位輸出 Phase angel
輸出電壓範圍 output voltage range	0~100%
輸入控制訊號 input control signal	4~20mA, 1-5V, 4~20mA+VR調整
使用環境 use environment	週溫-10~50°C 溼度90RH %以下 Around temperature -10°C~50°C, humidity under 90% RH.

>>> 保護系統系列

Protection System Series

具來源欠相、本體溫度過熱保護裝置、保險絲斷線檢知

This controller has protection equipment of overheating, source phases shortage, fuse broken inspection, and output abnormal.

主電源電壓 main power voltage	AC110V, 220V, 380V, 440V±10%
補助電壓 assistance voltage	AC220V±15% 50/60Hz
額定電流 rated current	20A 30A 40A 50A 60A 80A 100A 125A 160A 180A 200A

單相SCR電力調整器—無保護系統系列

SINGLE PHASE POWER REGULATOR



>>> 型號規格選擇 Choice of Specification & Models

額定電流	額定電壓 rated voltage		輸入控制訊號	長	寬	高	重量	圖
rated current	220V	380/440V	input control signal	L (mm)	W(mm)	H(mm)	W (g)	P
20A	JK2220S1	JK3820S1	4~20mA	126	75	86	690	1
30A	JK2230S1	JK3830S1		126	75	86	690	1
40A	JK2240S1	JK3840S1		126	100	86	780	2
50A	JK2250S1	JK3850S1	1~5V	115	100	137	1160	4
60A	JK2260S1	JK3860S1		115	100	137	1160	4

額定電流	額定電壓 rated voltage		輸入控制訊號	長	寬	高	重量	圖
rated current	220V	380/440V	input control signal	L (mm)	W(mm)	H(mm)	W (g)	P
20A	JK2220S1-D75	JK3820S1-D75	4~20mA	75	102	103	740	3
30A	JK2230S1-D75	JK3830S1-D75		1~5V	75	102	103	740

※電壓480VAC為訂製品

上述資料若有變更，恕不另行通知，敬請見諒！All specifications can be modified.

單相SCR電力調整器—保護型系列

SINGLE PHASE POWER REGULATOR - Protection System Series

>>> 型號規格選擇 Choice of Specification & Models

額定電流	額定電壓 rated voltage		輸入控制訊號	長	寬	高	圖
rated current	220V	380/440V	input control signal	L (mm)	W(mm)	H(mm)	P
20A	JK22020SF	JK38020SF	4~20mA	232	93	120	5
30A	JK22030SF	JK38030SF		232	93	120	5
40A	JK22040SF	JK38040SF		232	93	120	5
50A	JK22050SF	JK38050SF	1~5V	232	93	120	5
60A	JK22060SF	JK38060SF	4~20mA	220	142	154	6
80A	JK22080SF	JK38080SF		1~5V	220	142	154
100A	JK22100SF	JK38100SF	1~5V	220	142	154	6
125A	JK22125SF	JK38125SF		4~20mA	243	142	154
160A	JK22160SF	JK38160SF	1~5V	243	142	154	7
180A	JK22180SF	JK38180SF		243	142	154	7
200A	JK22200SF	JK38200SF		243	142	154	7

上述資料若有變更，恕不另行通知，敬請見諒！All specifications can be modified.



(圖一)



(圖二)



(圖三)



(圖四)



(圖五)



(圖六)



(圖七)