

三相SCR電力調整器(可控硅)



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

★請注意因客觀環境及負載特性計算安全係數,選擇相對應產品。

★Please note!Since the objective environment and load characteristics to calculate the safety factor, select the corresponding products.

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	WJ3PS-22025	220	142	154	1
		35A	WJ3PS-22035	220	142	154	1
		50A	WJ3PS-22050	243	142	154	2
		60A	WJ3PS-22060	243	142	154	2
		80A	WJ3PS-22080	243	142	154	2
		100A	WJ3PS-22100	243	142	154	2
		125A	WJ3PS-22125	305	141	172	3
		160A	WJ3PS-22160	305	141	172	3
		180A	WJ3PS-22180	365	141	200	4
		200A	WJ3PS-22200	365	141	200	4
		225A	WJ3PS-22225	400	263	210	5
		250A	WJ3PS-22250	400	263	210	5
		300A	WJ3PS-22300	400	263	210	5
		350A	WJ3PS-22350	530	306	247	6
		400A	WJ3PS-22400	530	306	247	6
		480A	WJ3PS-22480	625	365	285	7
		600A	WJ3PS-22600	625	365	285	7
750A	WJ3PS-22750	710	365	285	7		
220V	380V~480V	25A	WJ3PS-48025	220	142	154	1
		35A	WJ3PS-48035	220	142	154	1
		50A	WJ3PS-48050	243	142	154	2
		60A	WJ3PS-48060	243	142	154	2
		80A	WJ3PS-48080	243	142	154	2
		100A	WJ3PS-48100	243	142	154	2
		125A	WJ3PS-48125	305	141	172	3
		160A	WJ3PS-48160	305	141	172	3
		180A	WJ3PS-48180	365	141	200	4
		200A	WJ3PS-48200	365	141	200	4
		225A	WJ3PS-48225	400	263	210	5
		250A	WJ3PS-48250	400	263	210	5
		300A	WJ3PS-48300	400	263	210	5
		350A	WJ3PS-48350	530	306	247	6
		400A	WJ3PS-48400	530	306	247	6
		480A	WJ3PS-48480	625	365	285	7
		600A	WJ3PS-48600	625	365	285	7
750A	WJ3PS-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	WJ2PSZ-22025	220	142	154	1
		35A	WJ2PSZ-22035	220	142	154	1
		50A	WJ2PSZ-22050	220	142	154	1
		60A	WJ2PSZ-22060	243	142	154	2
		80A	WJ2PSZ-22080	243	142	154	2
		100A	WJ2PSZ-22100	243	142	154	2
		125A	WJ2PSZ-22125	305	141	172	3
		160A	WJ2PSZ-22160	305	141	172	3
		180A	WJ2PSZ-22180	355	141	172	4
		200A	WJ2PSZ-22200	355	141	172	4
		225A	WJ2PSZ-22225	400	263	210	5
		250A	WJ2PSZ-22250	400	263	210	5
		300A	WJ2PSZ-22300	400	263	210	5
		350A	WJ2PSZ-22350	400	263	210	5
		400A	WJ2PSZ-22400	400	263	210	5
		450A	WJ2PSZ-22450	400	263	210	5
		500A	WJ2PSZ-22500	530	306	247	6
600A	WJ2PSZ-22600	530	306	247	6		
750A	WJ2PSZ-22750	710	365	285	7		
220V	380V~480V	25A	WJ2PSZ-48025	220	142	154	1
		35A	WJ2PSZ-48035	220	142	154	1
		50A	WJ2PSZ-48050	220	142	154	1
		60A	WJ2PSZ-48060	243	142	154	2
		80A	WJ2PSZ-48080	243	142	154	2
		100A	WJ2PSZ-48100	243	142	154	2
		125A	WJ2PSZ-48125	305	141	172	3
		160A	WJ2PSZ-48160	305	141	172	3
		180A	WJ2PSZ-48180	355	141	172	4
		200A	WJ2PSZ-48200	355	141	172	4
		225A	WJ2PSZ-48225	400	263	210	5
		250A	WJ2PSZ-48250	400	263	210	5
		300A	WJ2PSZ-48300	400	263	210	5
		350A	WJ2PSZ-48350	400	263	210	5
		400A	WJ2PSZ-48400	400	263	210	5
		450A	WJ2PSZ-48450	400	263	210	5
		500A	WJ2PSZ-48500	530	306	247	6
600A	WJ2PSZ-48600	530	306	247	6		
750A	WJ2PSZ-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.

※ WJ3PS-22180, WJ3PS-22200, WJ3PS-48180, WJ3PS-48200外觀類似圖4，但尺寸與零位不同
 ※ WJ3PS-22480, WJ3PS-22600, WJ3PS-48480, WJ3PS-48600外觀類似圖7，但尺寸不同

三相SCR電力調整器

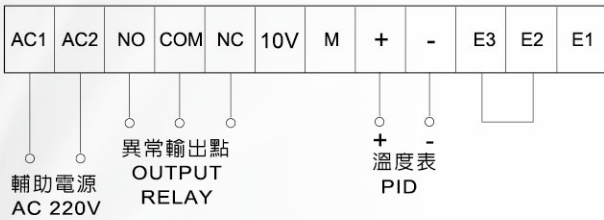
THREE PHASE POWER REGULATOR



>>> 控制線路圖 (相位控制) General Characteristic

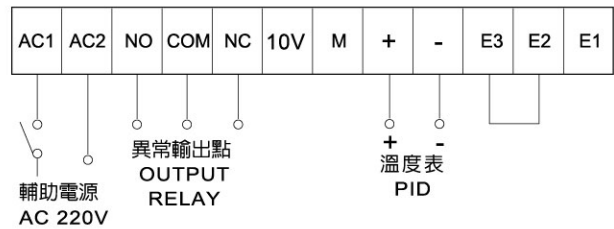
(1) 純溫度表輸入訊號控制

External connection control of PID input signal



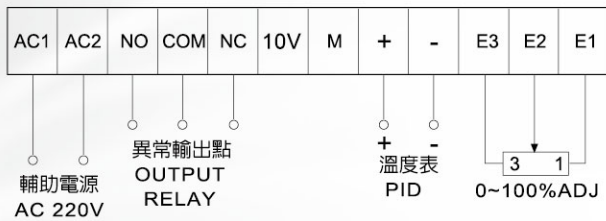
(2) 開關啟動/溫度表自動控制

Switch ON/OFF / Auto control of PID



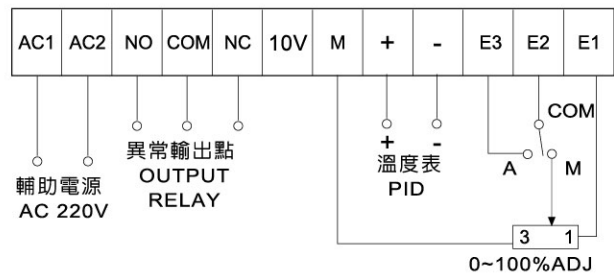
(3) 輸入電壓，電流訊號；外部VR可調 (VR為10KΩ)

Anglog volt, current input with adjustable external VR
(The VR model is 10K5Ω)



(4) 溫度表自動控制/外部VR控制

Auto control of PID / control of VR



(外部VR不使用時，請將E3，E2短路)

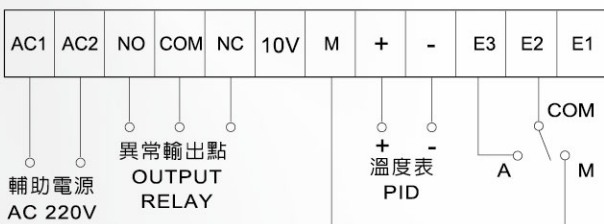
(Please jump E3 and E2 when external VR not be used)

★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.)

(5) 溫度表自動控制/手動全壓輸出

Auto control of PID / Manual full load of output

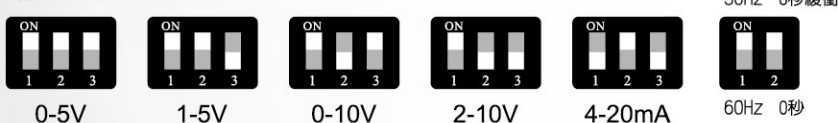


★NO,COM,NC:異常訊號輸出接點240VAC/5A

★M點為控制器輸出DC5V/100mA

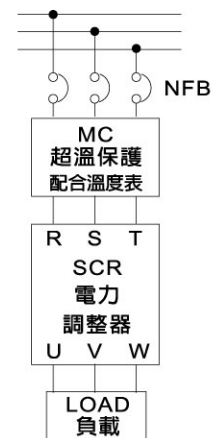
★機板內部功能設定

輸入訊號設定



※ 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)

三相來源電



三相SCR電力調整器

THREE PHASE POWER REGULATOR

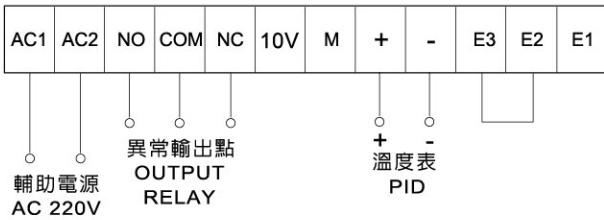


>>> 控制線路圖 (零位控制)

General Characteristic

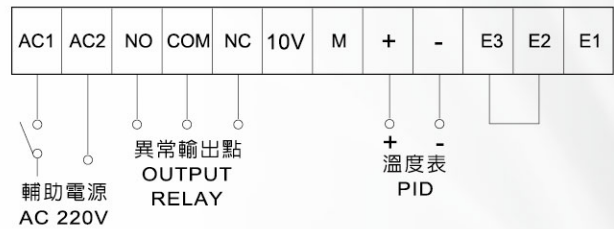
(1) 純溫度表輸入訊號控制

External connection control of PID input signal



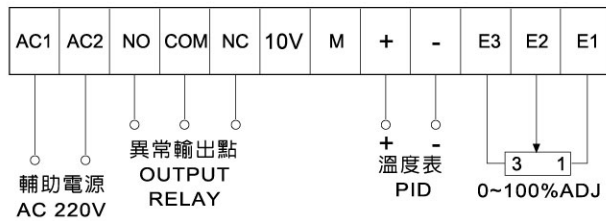
(2) 開關啟動/溫度表自動控制

Switch ON/OFF / Auto control of PID



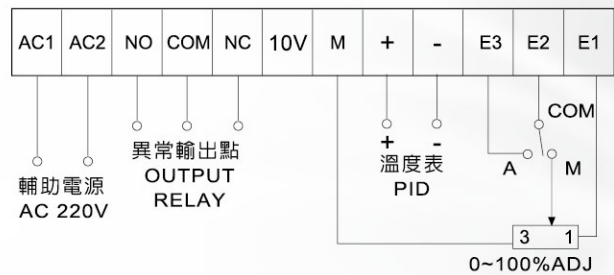
(3) 輸入電壓，電流訊號；外部VR可調 (VR為10KΩ)

Anglog volt, current input with adjustable external VR
(The VR model is 10K5Ω)



(4) 溫度表自動控制/外部VR控制

Auto control of PID / control of VR



(外部VR不使用時，請將E3，E2短路)

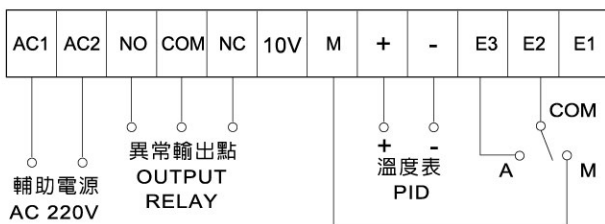
(Please jump E3 and E2 when external VR not be used)

★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.)

(5) 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

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)

