

**【DSC series】 【Single phase by single wire / 單相單線式】**

Model	型號	DSC-240	DSC-340	DSC-440	DSC-265	DSC-365	DSC-465
Operating voltage	工作電壓	220VAC	380VAC	440VAC	220VAC	380VAC	440VAC
Rated current	額定電流	32A max.			65A max.		
Protection fuse	保險絲	32A (Semi-conduct fuse inside)			80A (Semi-conduct fuse inside)		
Surge current duration	耐突波電流	410A / 1 cycle of power frequency			1500A / 1 cycle of power frequency		
Alarm output	警報輸出	3A/250VAC ; NO/NC changeable			NON		
Cooling fan	冷卻風扇	non			60x60 12VDC		
Min. block voltage	最低耐壓	600VAC (repetitive)			800VAC (repetitive)		

**【TSC series】**

Model	型號	TSC-340	TSC-365
Rated current	額定電流	40A max.	65A max.
Protection fuse	保險絲	40A (Semi-conduct fuse inside)	80A (Semi-conduct fuse inside)
Surge current duration	耐突波電流	410A / 1 cycle of power frequency	1500A / 1 cycle of power frequency
Min. block voltage	最低耐壓	600VAC (repetitive)	800VAC (repetitive)
Alarm output	警報輸出	non	
Cooling fan	冷卻風扇	80x80 / 12VDC	
Main power supply	負載電源	180 ~ 440VAC 50 / 60Hz	
Aux. power supply	輔助電源	90 ~ 265 VAC 50 / 60Hz	

**【EPS series】 【Single phase by two wires / 單相兩線式】**

Model	型號	EPS1-40	EPS1-60	EPS1-80	EPS1-100	EPS1-125	EPS1-150	
Rated current	額定電流	40A max.	60A max.	80A max.	100A max.	125A max.	150A max.	
Protection fuse	保險絲	40A.	63A.	80A.	100A.	125A.	160A.	
Surge current duration	耐突波電流	410A	1200A	1500A	1600A	2000A	2250A	
Min. block voltage	最低耐壓	600VAC	1600VAC		1600VAC			
Cooling fan	冷卻風扇	60x60 / 12VDC						80x80/12VDC
Main power supply	負載電源	180 ~ 440VAC 50 / 60Hz						
Aux. power supply	輔助電源	220 / 380 VAC ± 20% 50 / 60Hz						

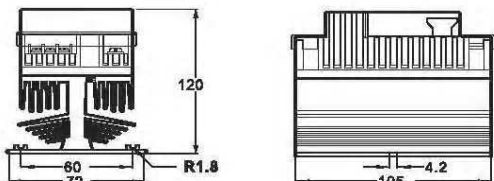
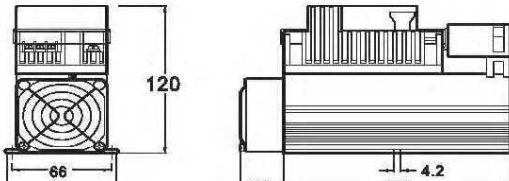
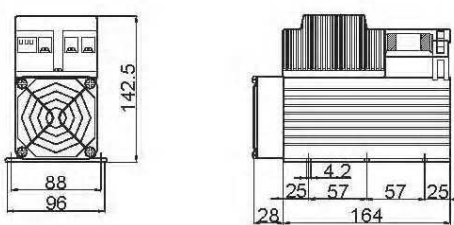
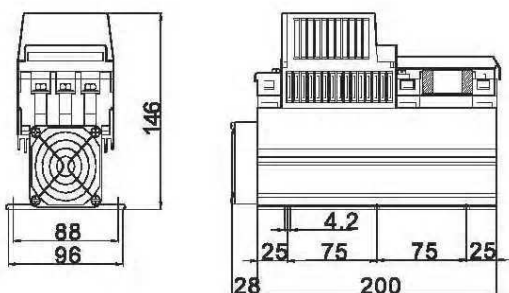
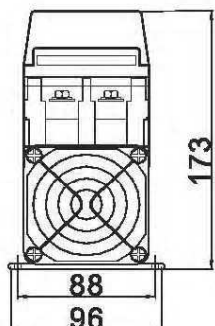
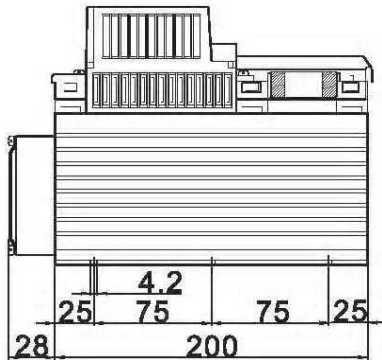
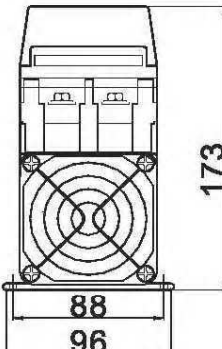
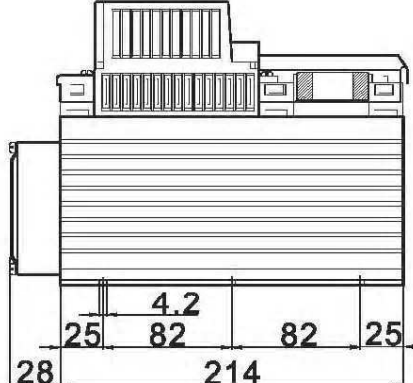
**【EPS series】 【Dual phases by two wires / 兩相兩線式】**

Model	型號	EPS2-40	EPS2-60	EPS2-80	EPS2-100	EPS2-125	EPS2-150
Rated current	額定電流	40A max.	60A max.	80A max.	100A max.	125A max.	150A max.
Protection fuse	保險絲	40A.	63A.	80A.	100A.	125A.	160A.
Surge current duration	耐突波電流	410A	1200A	1500A	1600A	2000A	2250A
Min. block voltage	最低耐壓	600VAC	800VAC		1600VAC		
Cooling fan	冷卻風扇	60x60 / 12VDC		80x80 / 12VDC			
Main power supply	負載電源	180 ~ 440VAC 50 / 60Hz					
Aux. power supply	輔助電源	220 / 380 VAC ± 20% 50 / 60Hz					

**【EPS series】 【Three phases by three wires / 參相參線式】**

Model	型號	EPS3-40	EPS3-60	EPS3-80
Rated current	額定電流	40A max.	60A max.	80A max.
Protection fuse	保險絲	40A.	63A.	80A.
Surge current duration	耐突波電流	410A	1200A	1500A
Min. block voltage	最低耐壓	600VAC	800VAC	
Cooling fan	冷卻風扇	80x80 / 12VDC		
Main power supply	負載電源	180 ~ 440VAC 50 / 60Hz		
Aux. power supply	輔助電源	220 / 380 VAC ± 20% 50 / 60Hz		

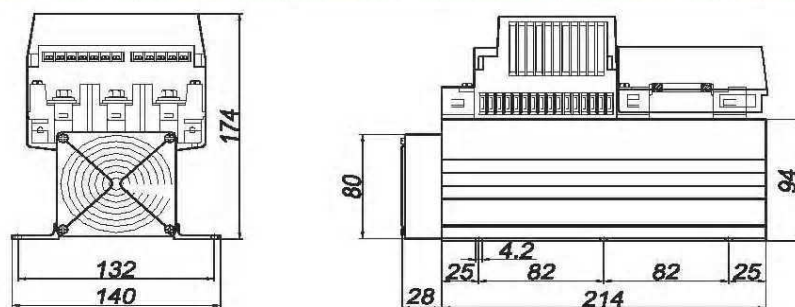
## ◆Outline dimension / 外形尺寸圖

DSC-□40	DSC-□65
	
TSC-340 / TSC-365	EPS1-40 / EPS1-60 / EPS1-80 EPS1-100 / EPS1-125 / EPS2-40 / EPS2-60
	
EPS2-80 / EPS2-100 / EPS2-125 / EPS3-40 / EPS3-60 / EPS3-80	
	
	
EPS1-150 / EPS2-150	
	
	

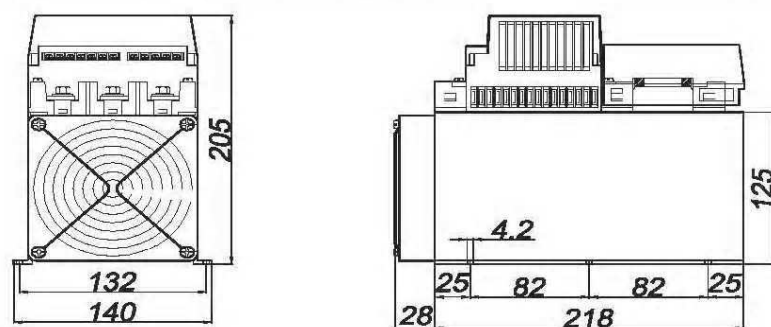


## ◆ Outline dimension / 外形尺寸圖

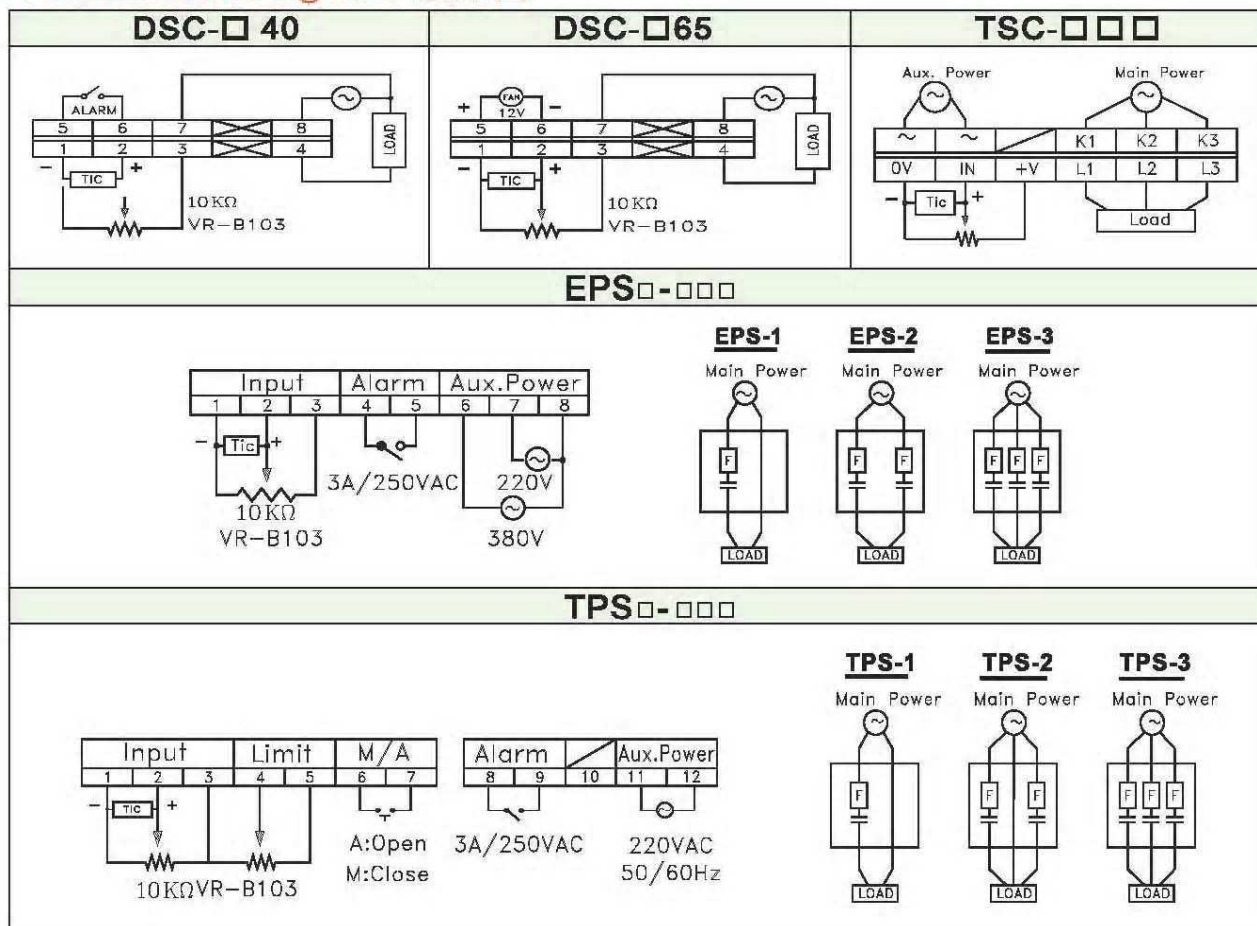
TPS1-160 / TPS1-200 / TPS3-40 / TPS3-60 / TPS3-80 / TPS2-100 / TPS2-125




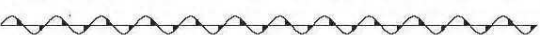



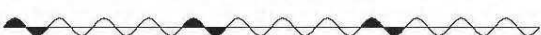


TPS2-160 / TPS2-200 / TPS3-100 / TPS3-125 / TPS3-160 / TPS3-200



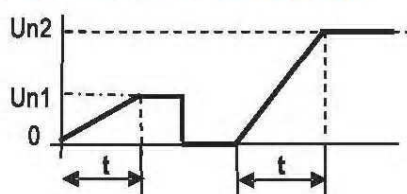
## ◆ Connection diagram / 接線圖



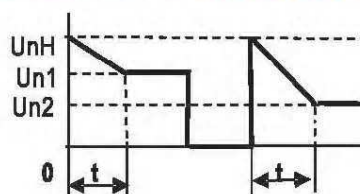
## ◆ Illumination of control method / 控制方式說明

Control method	Phase angle control 相位控制	Zero cross control 零點控制
Output volume 輸出量	   	   
Feature 特性	1. Suited to control the inductive load or The variable resistance load (IR, Pure metal heater, Silicone carbonate heater or Transformer) 2. The power factor $\cos\theta < 1$ 3. Higher harmonic noise 1. 適於控制電感性或變阻性負載 (紅外線加熱器, 變壓器負載, 純金屬或碳矽發熱體) 2. 功率因數小於1 3. 較高諧波干擾	1. Suited to control the constant resistance load or The capacity load. (Alloy heater or Capacitor) 2. The power factor $\cos\theta = 1$ 3. Lower harmonic noise 1. 適於控制定阻性負載或電容性負載 (合金類發熱體或電容器負載) 2. 功率因數等於1 3. 較低諧波干擾

## ◆ Soft start / 緩衝起動



## ◆ Kick start / 脈衝起動

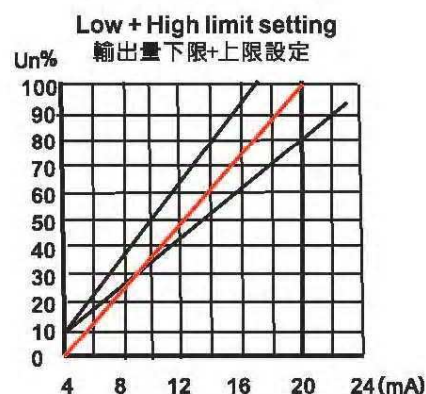
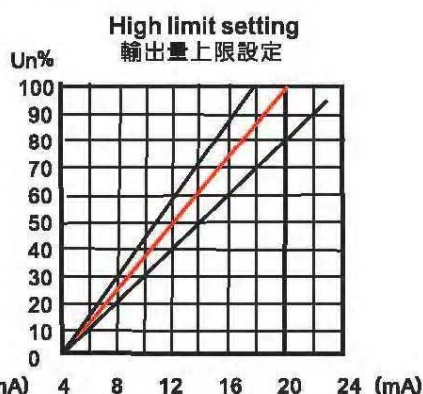
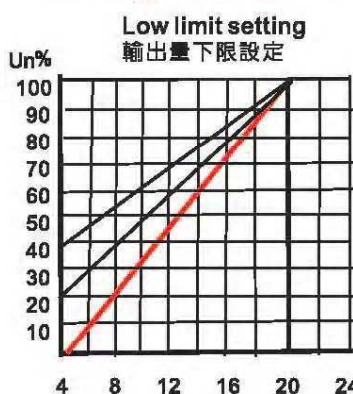


t : Soft or kick start time  
 Un or Un2 : Output volume  
 UnH : Maximum output volume (H)

## ◆ Setting of manual output / 手動輸出設定

Manual output status 手動輸出狀態	Description 說明
	1. On the 'manual' output status, Press  or  key to change the manual output volume 2. Press  to finish setting 1. 在手動輸出狀態中, 按  或  鍵可改變手動輸出量。2. 按  鍵完成手動輸出量設定。

## ◆ Setting of output limit / 輸出量限制設定



1> A : Low limit = 0 ; High limit = 100  
 2> B : Low limit = 20 ; High limit = 100  
 3> C : Low limit = 40 ; High limit = 100

1> A : Low limit = 0 ; High limit = 100  
 2> B : Low limit = 0 ; High limit = 80  
 3> C : Low limit = 40 ; High limit = 120

1> A : Low limit = 0 ; High limit = 100  
 2> B : Low limit = 10 ; High limit = 80  
 3> C : Low limit = 10 ; High limit = 120

### Note :

- 1> 'Un' : Output volume / 輸出量
- 2> Setting range : Low limit = 0 ~ 100% , High limit = 0 ~ 199% / 設定範圍 : 下限設定 = 0 ~ 100% , 上限設定 = 0 ~ 199%
- 3> Low + high limit setting is suited to control the radial heating heater such as IR lamp.  
 輸出量下限+上限設定適用於高輻射熱加熱器如紅外線加熱器。