ANV 士研電機

TEMPERATURE CONTROLLER

溫度控制器

INSTRUCTION MANUAL

TC SERIES 使用說明

Ordering Information 訂購資料

TC 3 D D – R P A K 3

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Product 產品名稱
Temperature Controller

② Size 外形尺寸
1 = 48H x 48W mm
2 = 96H x 48W mm
3 = 72H x 72W mm
4 = 96H x 96W mm

③ Method of Setting 設定方式
D = Digital Switch 撥碼開關
A = Trimmer 旋鈕
O = Without set 無設定

④ Method of Display 顯示方式
D = Digital LED Display 數字顯示
O = Without Display 無顯示

⑤ Method of Output 輸出方式
R = Relay Output 繼電器輸出
V = Voltage Output 電壓輸出

⑥ Method of Control 控制方式
P = Proportional Control 比例控制
O = ON/OFF Control 開/關控制

⑦ Alarm 警報
A = With Stand-By/Over-Heat Alarm
待機/過熱警報

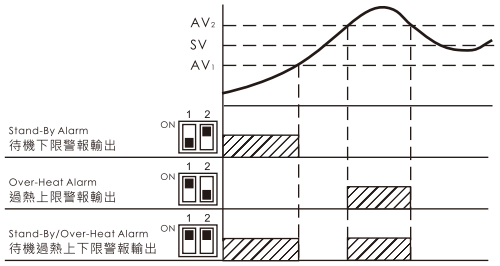
⑧ Type of Sensor 感溫線種類
K = K Type K型熱電偶
Pt = Pt100Ω 熱電阻

⑨ Range of Setting 設定範圍

Digital Switch 撥碼開關			Trimmer 旋鈕		
W =	0 ~ +	99.9	L =	0 ~ +	50
1 =	0 ~ +	199	U =	0 ~ +	100
2 =	0 ~ +	200			
3 =	0 ~ +	399	C =	0 ~ +	300
5 =	0 ~ +	599	4 =	0 ~ +	400
9 =	0 ~ +	999	F =	0 ~ +	500
			6 =	0 ~ +	600
			7 =	0 ~ +	700
			8 =	0 ~ +	800
			N =	0 ~ +	900
			A =	0 ~ +	1000
			X =	0 ~ +	1200

Specification 功能特性

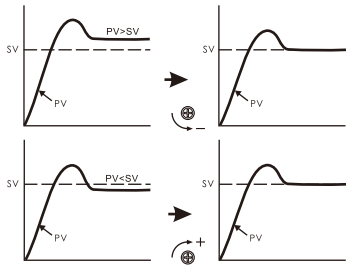
- ON/OFF LED 動作指示燈
  Green-Control Output Turn ON
  Red-Control Output Turn Off
  綠燈亮(ON)加熱, 紅燈亮(OFF)不加熱
- AL Stand-By/Over-Heat Alarm 待機/過熱警報
  SV=Setting Value 溫度設定值
  AV1/AV2=Stand-By/Over-Heat 待機/過熱設定值
  Function Selects by DIP Switch
  可由外部DIP開關做功能選擇



Notice of Use 注意事項

- "RESET" 調整 OFFSET

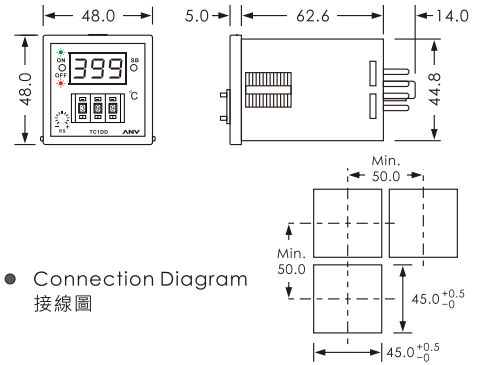
RESET Adjuster may modify the difference between present value (PV) and setted value (SV).If PV>SV may modify RESET at counterclockwise. If PV<SV may modify RESET at clockwise.
RESET 調整鈕可修正控制溫度(PV)與設定溫度(SV)的差異, 如過控制溫度高於設定溫度, 向逆時針方向調整。如果控制溫度低於設定溫度, 向順時針方向調整, 每次調整的角度不宜過大。



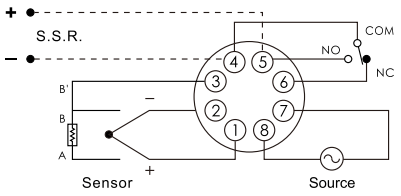
- Separate the signal line of the Sensor from power line, load line and use independent line
  請避免將感溫線與電源線或負載線綁在一起,
  若需延長感溫線, 務必使用相同導線。
- Keep away from the high frequency instrument, high temperature devices or vibration machines
  安裝本產品時, 請勿靠近高溫場所, 避免周圍環境溫度急速變化,
  及避免激烈振動及衝擊。
- Do not install the unit at the place where corrosive gasses, moisture, etc. are occurred
  避免安裝在有腐蝕性氣體或濕氣太重的場所。
- Heat Load connect to NO contact, cooler Load connect to NC contact
  加熱性負載請接NO接點, 冷却性負載請接NC接點, 以免溫控異常。

TC1 Series 48H x 48W mm

- Dimension & Fixed Hold 尺寸圖及開孔圖

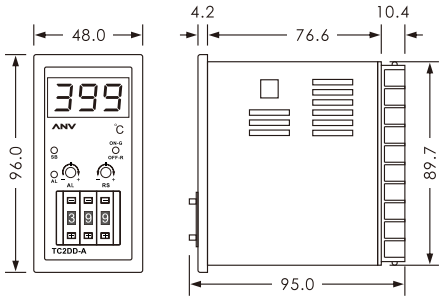


- Connection Diagram 接線圖

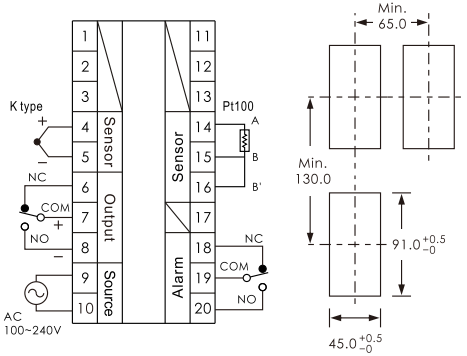


TC2 Series 96H x 48W mm

- Dimension & Fixed Hold 尺寸圖及開孔圖

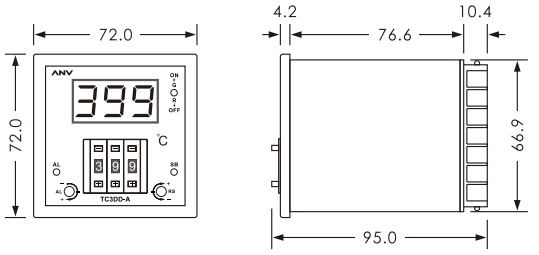


- Connection Diagram 接線圖

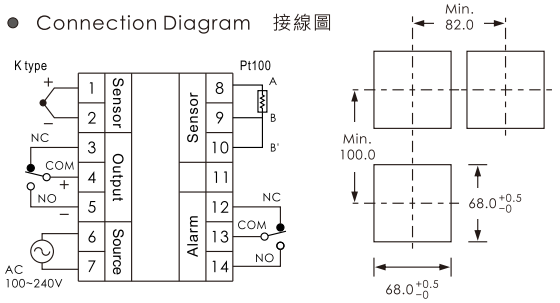


TC3 Series 72H x 72W mm

- Dimension & Fixed Hold 尺寸圖及開孔圖

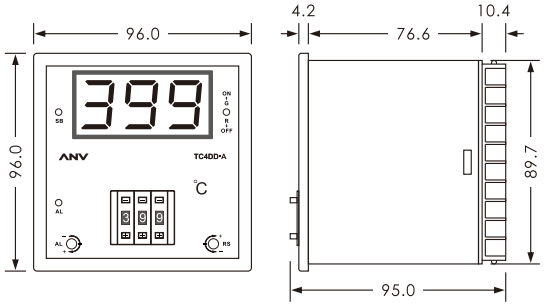


- Connection Diagram 接線圖

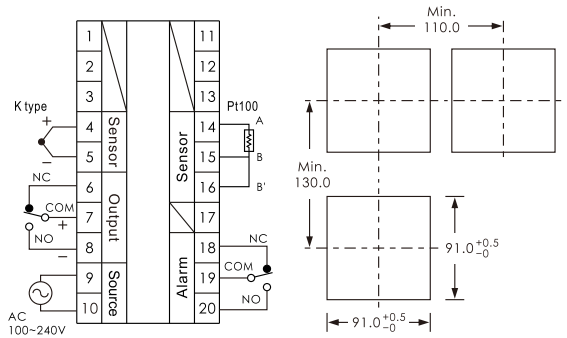


TC4 Series 96H x 96W mm

- Dimension & Fixed Hold 尺寸圖及開孔圖



- Connection Diagram 接線圖



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