

產品使用安全注意事項

- 使用氣壓請於產品規格之額定氣壓範圍內，超過範圍將導致產品損壞與功能異常。
- 連接本產品時，應關閉電源，如有錯誤之接線或短路現象，將導致產品損壞。
- 禁止使用具有腐蝕性及可燃性之氣體或液體。
- 請勿在水氣及油霧之環境中使用。
- 本產品並未通過防爆認證，請勿在含有爆炸性氣體及粉塵之環境下使用。
- 氣壓源之管路接頭耐扭力強度最大為7N/m，大於此扭力會導致氣密故障及系統損壞。
- 本產品連接線時，不可與電源線、高壓電線捆綁在一起，以避免雜訊導致誤動作。
- 安裝時如因外力撞擊或掉落本產品，即使外觀未受損，也可能造成內部零件損壞，導致功能異常。

產品規格表/規格說明

型號		CYPS-N□-01、CYPS-N□-10 CYPS-P□-01、CYPS-P□-10
輸入電源	電源範圍	12 to 24VDC ±10%,漣波峰值<10%
	消耗電流	45mA Max以下(無負載時)
壓力範圍	流體形式	非腐蝕性氣體
	測量範圍	CYPS-□-01:- 100kPa to 100kPa CYPS-□-10:- 100kPa to 1000kPa
	最大耐壓	CYPS-□-01:200kPa CYPS-□-10:1600kPa
	測量誤差	±2%全量程, ±1digit(周圍溫度25±3°C)
	重複精度	±0.2%全量程
	溫度誤差	±3%全量程(25°C基準, 0 to 50°C範圍)
顯示	顯示模式	雙排LCD顯示4位數量測及3.5位數設定值
	輸出顯示	LCD雙輸出顯示
	顯示顏色	可選擇雙色顯示(紅色、綠色)
	顯示週期	100ms、250ms、500ms、1000ms
顯示亮度	顯示亮度	三階可調
	顯示亮度	三階可調
輸出	輸出組數	CYPS-N2V:內建兩組NPN輸出及一組電壓輸出 CYPS-N2C:內建兩組NPN輸出及一組電流輸出 CYPS-P2V:內建兩組PNP輸出及一組電壓輸出 CYPS-P2C:內建兩組PNP輸出及一組電流輸出
		CYPS-N2V:內建兩組NPN輸出及一組電壓輸出 CYPS-N2C:內建兩組NPN輸出及一組電流輸出 CYPS-P2V:內建兩組PNP輸出及一組電壓輸出 CYPS-P2C:內建兩組PNP輸出及一組電流輸出
		CYPS-N2V:內建兩組NPN輸出及一組電壓輸出 CYPS-N2C:內建兩組NPN輸出及一組電流輸出 CYPS-P2V:內建兩組PNP輸出及一組電壓輸出 CYPS-P2C:內建兩組PNP輸出及一組電流輸出
		CYPS-N2V:內建兩組NPN輸出及一組電壓輸出 CYPS-N2C:內建兩組NPN輸出及一組電流輸出 CYPS-P2V:內建兩組PNP輸出及一組電壓輸出 CYPS-P2C:內建兩組PNP輸出及一組電流輸出
	電晶體輸出	NPN:最大耐壓30V/100mA,殘留電壓<1.5V PNP:最大耐壓30V/100mA,殘留電壓<1.5V
		NPN:最大耐壓30V/100mA,殘留電壓<1.5V PNP:最大耐壓30V/100mA,殘留電壓<1.5V
	類比輸出	1.電壓輸出:1~5V +3% F.S (最小負載阻抗1KΩ) 2.電流輸出:4~20mA +3% F.S (負載阻抗範圍50~260Ω)
		1.電壓輸出:1~5V +3% F.S (最小負載阻抗1KΩ) 2.電流輸出:4~20mA +3% F.S (負載阻抗範圍50~260Ω)
	反應時間	2ms、20ms、50ms、100ms、250ms、500ms、1000ms、2500ms、5000ms
		2ms、20ms、50ms、100ms、250ms、500ms、1000ms、2500ms、5000ms
遲滯	CYPS-□-01: C、1、0.2、0.3...0.8kPa	
	CYPS-□-10: 1、2、3...8kPa	
輸出模式	簡易模式、遲滯模式、窗型模式	
	簡易模式、遲滯模式、窗型模式	
氣壓單位	CYPS-□-01: kPa, kgf/cm ² , bar, psi, mmHg, inHg	
	CYPS-□-10: Mpa, kPa, kgf/cm ² , bar, psi, cmHg, inHg	
耐振動	10 to 500Hz,10mm震幅,3軸方向2小時	
耐衝擊	最大100m/s ² ,3軸6方向各3次	
操作環境溫度	0°C to +50°C	
存放環境溫度	-20°C to +65°C	
操作環境濕度	35% to 80% RH(無結露)	

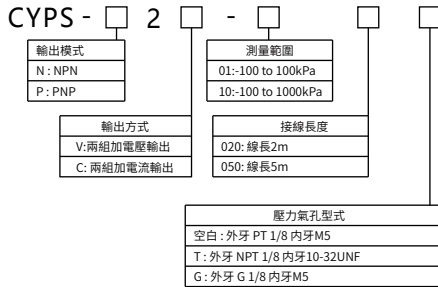
Precautions

- To use the device within the rated air pressure, otherwise it will lead to damage and malfunction.
- To connect the device, please turn the power off. The wrong connection and short will damage the device.
- Do not use the device with corrosive and flammable gas or liquid.
- Do not use in the environment with water, steam, oil or fog.
- The device is not explosion proof. Do not use in the environment contained with explosion air and dust.
- The torque of piping is 7N.m. Do not exceed the value and will lead to damage of system.
- To connect the wire, do not bind together with power lines and high voltage lines to avoid the noise to malfunction.
- Do not knock or drop when installing. It will cause the inner damage and lead to malfunction even the appearance without damage.

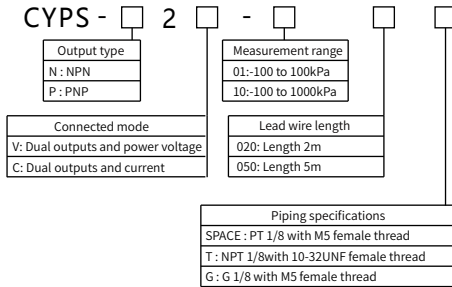
Specifications

Model		CYPS-N□-01、CYPS-N□-10 CYPS-P□-01、CYPS-P□-10
Input Power	Voltage	12 to 24VDC ±10%,Ripple(p-p)<10%
	Current Consumption	45mA or less
Pressure Range	Fluid Type	Non-corrosive gas
	Measurement Range	CYPS-□-01:- 100kPa to 100kPa CYPS-□-10:- 100kPa to 1000kPa
	Withstand Pressure	CYPS-□-01:200kPa CYPS-□-10:1600kPa
	Measurement Tolerance	±2% F.S, ±1digit (ambient temp. 25±3°C)
	Repeative Accuracy	±0.2% F.S
	Temperature Tolerance	±3% F.S (Base 25°C, Range 0 to 50°C)
Display	Display Type	Double row LCD display 4-digit measurement, 3.5-digit setting
	Output	LCD double outputs
	Color	2-color LCD (Red/Green)
	Display Cycle	100ms, 250ms, 500ms, 1000ms
Brightness	Brightness	3 levels setting
	Brightness	3 levels setting
Switch Output	Output Group	CYPS-N2V: Built-in two NPN outputs and one voltage output CYPS-N2C: Built-in two NPN outputs and one current output CYPS-P2V: Built-in two PNP outputs and one voltage output CYPS-P2C: Built-in two PNP outputs and one current output
		CYPS-N2V: Built-in two NPN outputs and one voltage output CYPS-N2C: Built-in two NPN outputs and one current output CYPS-P2V: Built-in two PNP outputs and one voltage output CYPS-P2C: Built-in two PNP outputs and one current output
		CYPS-N2V: Built-in two NPN outputs and one voltage output CYPS-N2C: Built-in two NPN outputs and one current output CYPS-P2V: Built-in two PNP outputs and one voltage output CYPS-P2C: Built-in two PNP outputs and one current output
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	Transistor Output	NPN:Maximum applied voltage 30V/100mA Retained voltage <1.5V PNP:Maximum applied voltage 30V/100mA Retained voltage <1.5V
		NPN:Maximum applied voltage 30V/100mA Retained voltage <1.5V PNP:Maximum applied voltage 30V/100mA Retained voltage <1.5V
	Analogy Output	1.Output voltage: 1~5V ±3% F.S. (Min. loading resistance 1KΩ) 2.Output current: 4~20mA ±3% F.S. (loading resistance range 50~260Ω)
		1.Output voltage: 1~5V ±3% F.S. (Min. loading resistance 1KΩ) 2.Output current: 4~20mA ±3% F.S. (loading resistance range 50~260Ω)
	Response Time	2ms、20ms、50ms、100ms、250ms、500ms、1000ms、2500ms、5000ms
		2ms、20ms、50ms、100ms、250ms、500ms、1000ms、2500ms、5000ms
Hysteresis	CYPS-□-01: C、1、0.2、0.3...0.8kPa	
	CYPS-□-10: 1、2、3...8kPa	
Output Mode	Basic mode, Hysteresis mode, Window comparator mode	
	Basic mode, Hysteresis mode, Window comparator mode	
Pressure Unit	CYPS-□-01: kPa, kgf/cm ² , bar, psi, mmHg, inHg	
	CYPS-□-10: Mpa, kPa, kgf/cm ² , bar, psi, cmHg, inHg	
Vibration Resistance	Impact Resistance	Maximum 100m/s ² . X,Y, Z directions 3 times each
Operating Temp.Range	Stored Temp.Range	0°C to +50°C -20°C to +65°C
Humidity Range	Humidity Range	35% to 80% RH(No dew)

型號說明

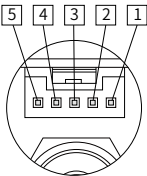
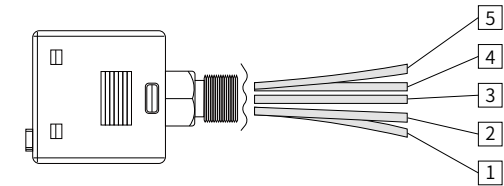


Model Description



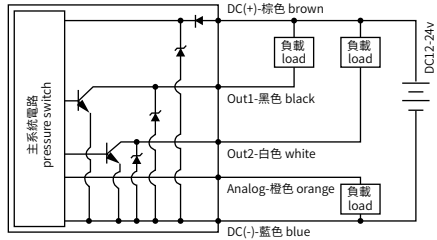
電路接線圖

Connection Example

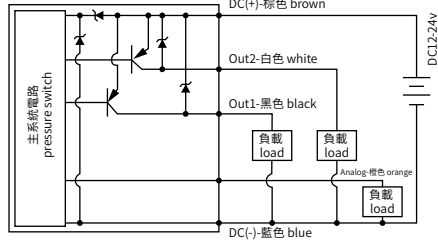


- 1. 電源正端輸入(棕色)
 - 2. 第一組開關輸出(信號)(黑色)
 - 3. 第二組開關輸出(信號)(白色)
 - 4. ANALOG輸出訊號(橘色)
 - 5. 電源負端輸入(藍色)
- 1.DC(+) input (Brown)
 - 2.OUT1 (Black)
 - 3.OUT2 (White)
 - 4.ANALOG (Orange)
 - 5.DC(-) input (Blue)

NPN 雙OUT+ANA

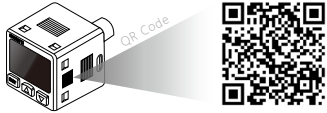


PNP 雙OUT+ANA



說明書

On-line Manual

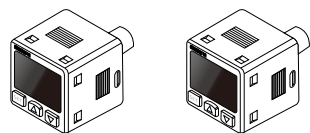


- 1.掃描外觀 QR Code
- 2.說明文件網址: <http://www.cybest.com.tw/product/show-5.html>
- Get full documentation
- 1.Scan the QR Code on the shell.
- 2.Documentation website: <http://www.cybest.com.tw/product/show-5.html>

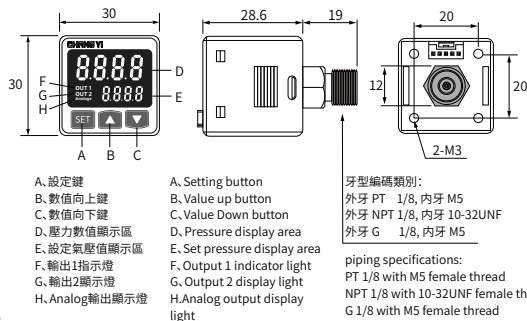
操作介面使用說明 User Interface Instructions

1. 安裝接頭
2. 開啟電源

1. Install the connector
2. Turn on the power

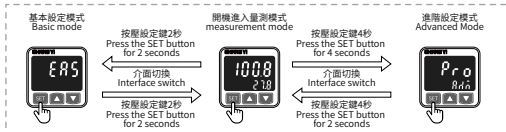


- ◎ 輸出電流超過100mA，將啟動過電流保護，重啓電源後恢復正常。
- ◎ 調整輸出-反應時間，可避免檢出瞬間異常壓力變化。
- ◎ When the output current is higher than 100mA, the overcurrent protection is triggered. Restart the device to release it.
- ◎ Adjusting Output-Response time can avoid to detect the change of abnormal pressure in transient.



牙型編碼類別:
外牙 PT 1/8, 內牙 M5
外牙 NPT 1/8, 內牙 10-32UNF
外牙 G 1/8, 內牙 M5

管型規格:
PT 1/8 with M5 female thread
NPT 1/8 with 10-32UNF female thread
G 1/8 with M5 female thread



■ 氣壓測量值歸零
Zero-clear function
在量測模式下同時按上、下箭頭鍵，顯示右圖即歸零動作，
放開按鍵歸零完成
Press up and down arrow button simultaneously
to reset the display value to zero.



■ 按鍵鎖定功能
Key lock function
在量測模式下同時按數值向上鍵+設定鍵，設定值列顯示
ON為按鍵鎖定
Press up and the SET button simultaneously, release
it when the display turns to "lock on".



在量測模式下同時按數值向下鍵+設定鍵，設定值列顯示
OFF為按鍵解鎖
Press down and the SET button simultaneously,
release it when the display turns to "lock OFF".

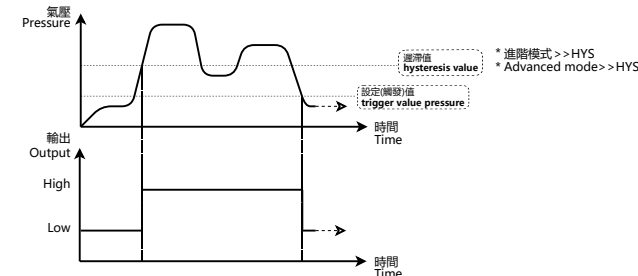


按鍵鎖定時設定值列依然顯示設定值，按下任何鍵會出現
LCK
Press any button will display "LCK" in lock on mode

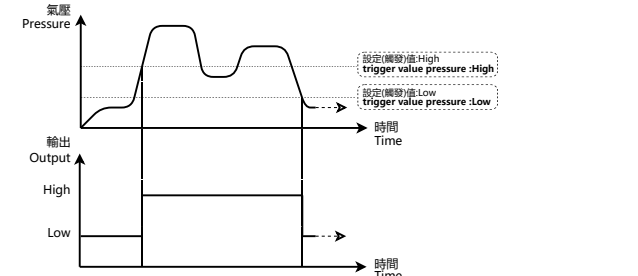
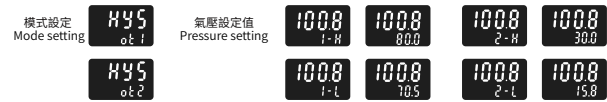


輸出模式判定說明 Output Mode Description

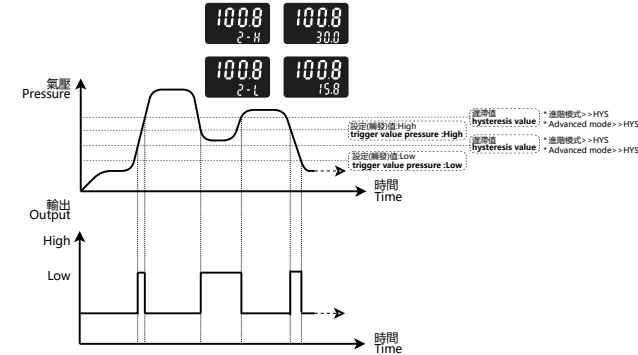
- ◎ 簡易模式: 氣壓設定值P。氣壓在大於(設定值P+遲滯值)時輸出為ON; 氣壓在小於設定值P時輸出為OFF。
- ◎ Basic mode: set the pressure value P. When the applied pressure value is higher than P+hysteresis value, the display will show ON. When the applied pressure value is less than P-hysteresis value, the display will show OFF.



- ◎ 遲滯模式: 氣壓設定值H/L。氣壓在大於氣壓設定值H時輸出為ON; 氣壓在小於設定值L時輸出為OFF。
- ◎ Hysteresis mode: set the pressure value H/L. When the applied pressure value is higher than H, the display will show ON. When the applied pressure value is less than L, the display will show OFF.



- ◎ 窗型模式: 氣壓設定值H/L。氣壓在大於H值或小於L值時，輸出為OFF; 氣壓在大於L值或小於H值時，輸出為ON。
- ◎ Window comparator mode: set the pressure value H/L. When the applied pressure value is higher than H or less than L, the display will show OFF. When the applied pressure value is higher than value L or less than value H, the display will show ON.



- ◎ 簡易/窗型模式遲滯值
- ◎ Hysteresis value
- ◎ 簡易/窗型模式遲滯值
- ◎ Hysteresis value
- ◎ 簡易/窗型模式遲滯值
- ◎ Hysteresis value