CHELIC PS47 Series

For your safety, please read the following before using.

① Do not use corrosive or flammable gas or liquid with this product.
② Please use within the rating pressure range. Do not apply pressure beyond recommended maximum withstand pressure, permanent damage to the pressure sensor may occur.
③ Do not drop, hit or allow excessive shock. Even if switch body appears undamaged, internal components may be broken and can cause malfunction.
④ Turn power off before connecting wiring. Wrong wiring or short circuit will damage and / or cause malfunction.
⑤ Do not use in environment containing steam or oil vapor.
⑥ This product is not explosion-proof rated. Do not use in atmosphere containing flammable or explosive gases.
⑦ Wiring for pressure sensor should avoid power source line and high voltage line. If use in the same circuit, noise may cause malfunction.
⑧ Sensors at end-of-life must be disposed of in accordance with E-Waste regulations of the country/region, NOT disposed of with regular garbage.

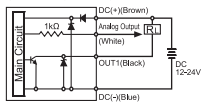
A. SPECIFICATIONS

MODEL		PSC47-□-□ (Compound Pressure)	PSV47-□-□ (Vacuum Pressure)	PSN47-□-□ (Positive Pressure)
Rated pressure range		-100.0~100.0 kPa	0.0~-101.3 kPa	-0.100~1.000 MPa
Set pressure range		-103.0~103.0 kPa	10.0~-103.0 kPa	-0.103~1.030 MPa
Withstand pressure		500 kPa		1.5 MPa
Fluid		Air, Non-corrosive / Non-flammable gas		
Set Pressure Resolution	kPa	0.1		—
	MPa	—		0.001
	kgf/cm²	0.001		0.01
	bar	0.001		0.01
	psi	0.01		0.1
	inHg	0.1		—
	mmHg	1		—
Power supply voltage		12 ~ 24V DC ±10%, Ripple (P-P) ≤ 10%		
Current consumption		≤ 30mA (With no load)		
Switch output		NPN : open collector outputs Max. load current : 80mA Max. supply voltage : 30V DC Residual voltage : ≤ 1V	PNP : open collector outputs Max. load current : 80mA Max. supply voltage : 24V DC Residual voltage : ≤ 1V	
Repeatability		±0.3% F.S. ±1 digit		
Hysteresis	One point set mode	Adjustable (*1)		
	Hysteresis Mode			
	Window Comparator Mode			
Response time		≤ 2.5ms (chattering-proof function : 25ms, 100ms, 250ms, 500ms, 1000ms and 1500ms selectable)		
Output short circuit protection		Yes		
Display		4 digital, 7 segment LCD display (Red / Green / Orange) (Sampling rate : 0.2, 0.5, 1 sec. / time)		
Indicator accuracy		±1% F.S. ±1 digit (ambient temperature : 25 ±3°C)		
Switch on indicator		Orange Indicator 1 : OUT1 & Orange Indicator 2 : OUT2		
Analog output (Voltage output)		Output Voltage : 1 ~ 5V ±2.5% F.S. (within rated pressure range) Linearity : ±1% F.S. Output impedance : about 1 kΩ		Output Voltage : 0.8 ~ 5V ±2.5% F.S. (within rated pressure range) Linearity : ±1% F.S. Output impedance : about 1 kΩ
Environment	Enclosure	IP40		
	Ambient temp. range	Operation : 0 ~ 50 °C, Storage : -10 ~ 60 °C (No condensation or freezing)		
	Ambient humidity range	Operation / Storage : 35~85% RH (No condensation)		
	Withstand voltage	1000V AC in 1-min. (between case and lead wire)		
	Insulation resistance	≥ 50MΩ (at 500V DC, between case and lead wire)		
	Vibration	Total amplitude 1.5mm or 10G, 10Hz ~150Hz~10Hz scan for 1 minute, 2 hours each direction of X, Y and Z		
	Shock	100m/s² (10G), 3 times each in direction of X, Y and Z		
Temperature characteristic		±2% F.S. of detected pressure (25°C) at temp. (Range of 0~50°C)		
Port size		R1/8", M5		
Lead wire		Ø4 Oil-resistance cable (PVC) - 26 AWG (0.15 mm²) - 4 cores		
Weight		Approx. 67g (with 2 meter lead wire)		

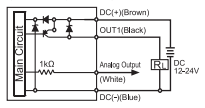
*1.Hysteresis value is adjustable within 1 ~ 8 digits for one point set mode and window comparator mode.

B. OUTPUT CIRCUIT WIRING DIAGRAMS

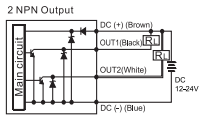
PS□47-01-□
1 NPN+Analog Output(1-5V) (0.6~5V only positive)



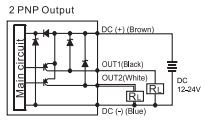
PS□47-03-□
1 PNP+Analog Output(1-5V) (0.6~5V only positive)



PS□47-02-□
2 NPN Output



PS□47-04-□
2 PNP Output



C. ORDERING INFORMATION

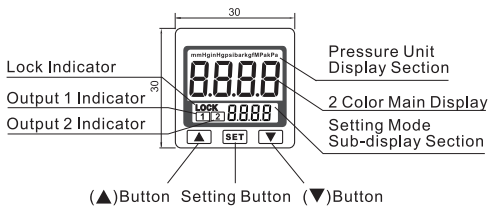
P S C - 4 7 - 0 1 - □

Pressure Range
C : Compound pressure (-103.0~103.0 kPa)
V: Vacuum pressure (10.0~-103.0 kPa)
N: Positive pressure (-0.103~1.030 MPa)

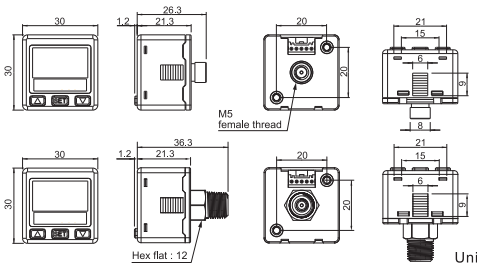
Output Specifications
01 : 1 NPN output + Analog output (1 - 5V)
02 : 2 NPN output
03 : 1 PNP output + Analog output (1 - 5V)
04 : 2 PNP output

Optional Parts
BT-14 : Mounting bracket
BT-15 : Mounting bracket
PA-C : Panel adapter
PA-D : Panel adapter + Front protective lid

D. PANEL DESCRIPTION



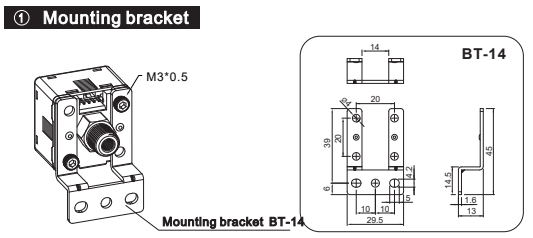
E. DIMENSIONS

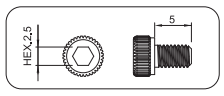


Unit:mm

F. OPTIONAL PARTS DIMENSIONS

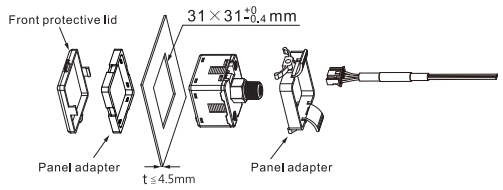
① Mounting bracket



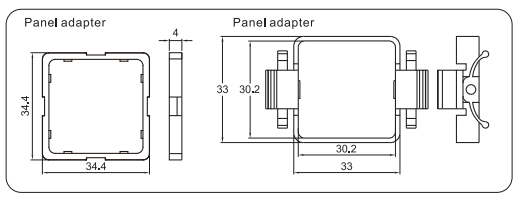


⚠ Caution :
*1. Screws suitable hexagonal wrench size is 2.5mm.
*2. Use non-standard screws, the length must be limited to 5mm.

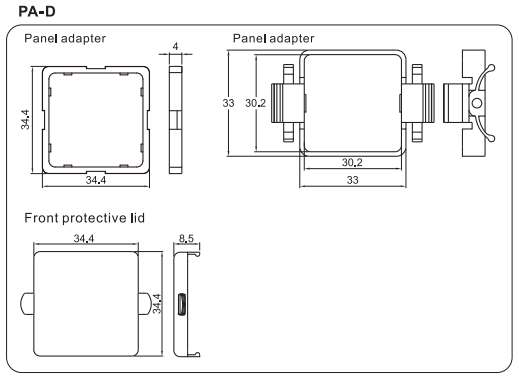
② Panel Mounting



PA-C

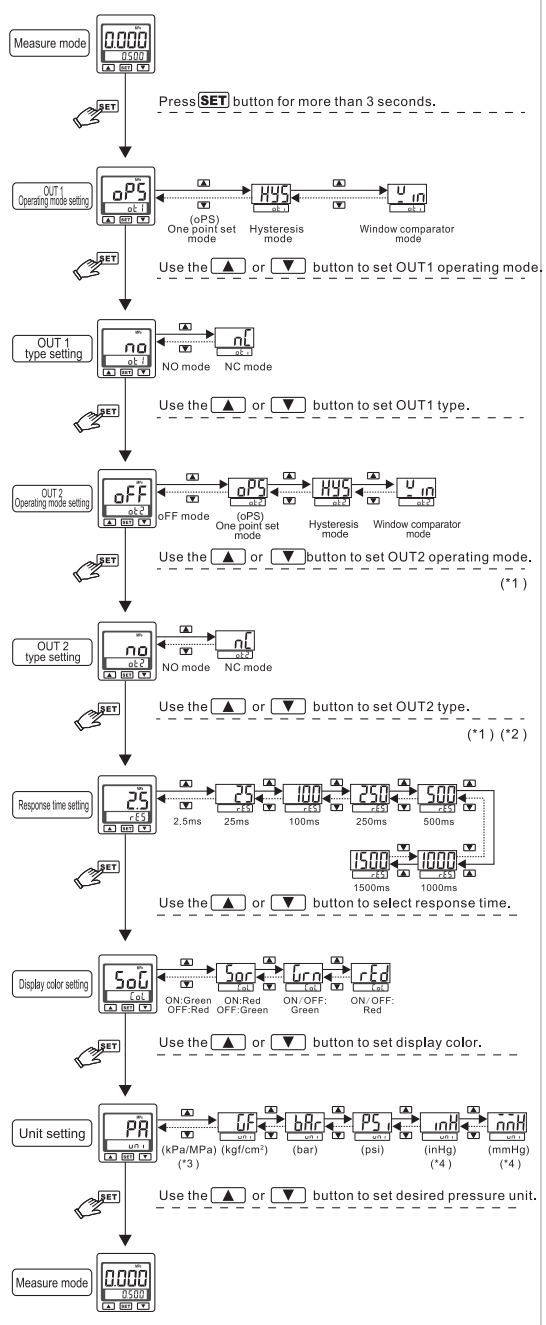


PA-D



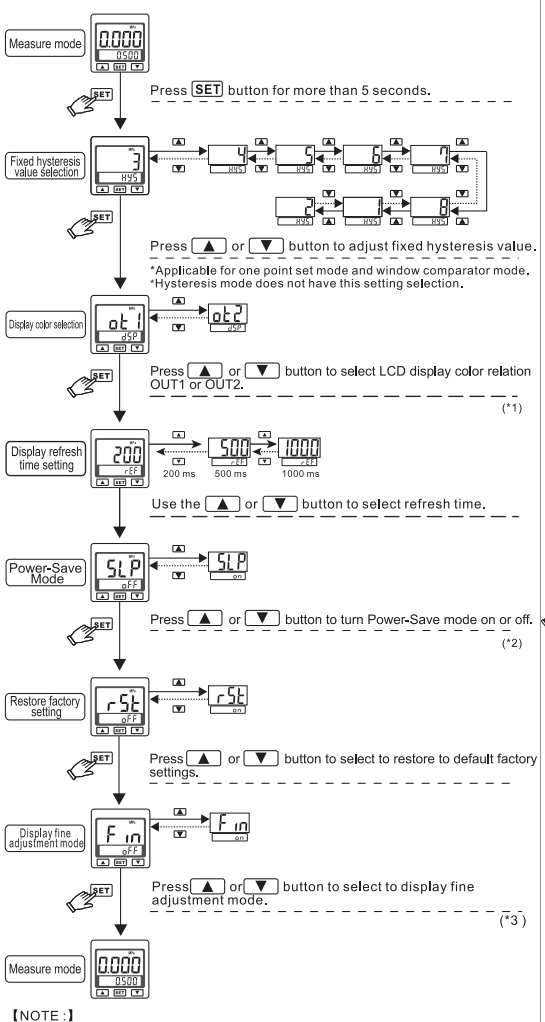
Unit:mm

G. INITIAL SETTING MODE



【NOTE :】
*1. This setting mode will not display when output spec. is 1 OUT.
*2. This setting mode will not display when output 2 is set to oFF.
*3. Pressure unit is MPa with positive pressure.
Pressure unit is kPa with vacuum and compound pressure.
*4. Only applicable for Vacuum/Compound.

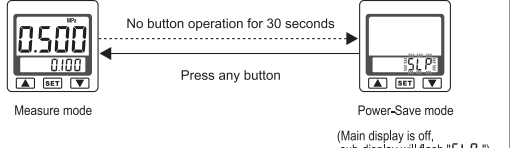
H. ADVANCE SETTING MODE



【NOTE :】
*1. This setting mode will not display OUT2 when output spec. is 1 OUT.
*2. When setting is " on ", the power-save mode is active.
Please refer to the item " I POWER-SAVE MODE" in detailed.
*3. When setting is " on ", the display fine adjustment mode is active.
Please refer to the item " P FINE ADJUSTMENT MODE" in detailed.

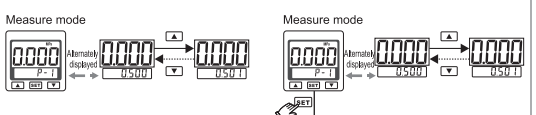
I. POWER-SAVE MODE

◎ During Power-Save mode, the main display will turned off if no buttons is pressed after 30 seconds.
◎ During Power-Save mode, the output LCD may not be synchronize with the output. It is normal and will not affect output operation.
◎ Press any button to turn-on main display temporarily.

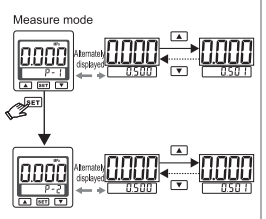


J. PRESSURE SETTING MODE (2 OUT)

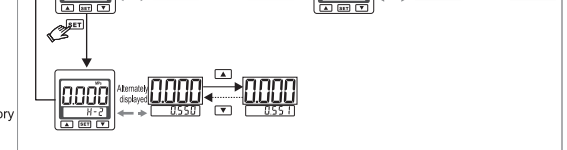
◎ Setting Condition 1 :
OUT 1 mode setting :
" oPS " (One point set mode)
OUT 2 mode setting :
" oFF " (Not used)



◎ Setting Condition 2 :
OUT 1 mode setting :
" oPS " (One point set mode)
OUT 2 mode setting :
" oPS " (One point set mode)



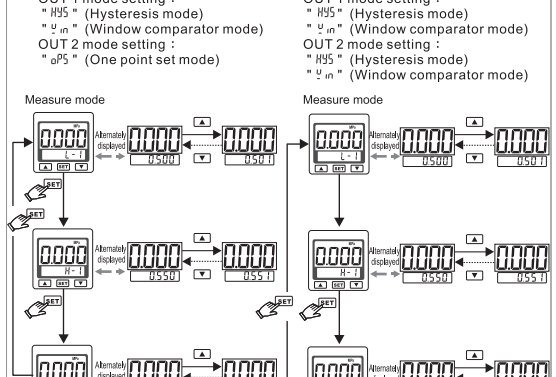
◎ Setting Condition 3 :
OUT 1 mode setting :
" oPS " (One point set mode)
OUT 2 mode setting :
" HYS " (Hysteresis mode)
" Uin " (Window comparator mode)



◎ Setting Condition 4 :
OUT 1 mode setting :
" HYS " (Hysteresis mode)
" Uin " (Window comparator mode)
OUT 2 mode setting :
" oFF " (Not used)

◎ Setting Condition 5 :
OUT 1 mode setting :
" HYS " (Hysteresis mode)
" Uin " (Window comparator mode)
OUT 2 mode setting :
" oPS " (One point set mode)

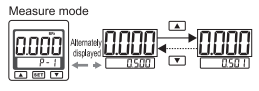
◎ Setting Condition 6 :
OUT 1 mode setting :
" HYS " (Hysteresis mode)
" Uin " (Window comparator mode)
OUT 2 mode setting :
" HYS " (Hysteresis mode)
" Uin " (Window comparator mode)



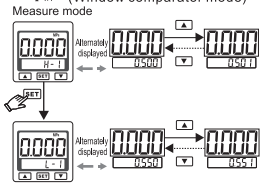
【NOTE :】
Do not disconnect power when the sub-display and setting value is flashing alternately; otherwise the system cannot store the values.

K. PRESSURE SETTING MODE (1 OUT)

◎ Setting Condition 1 :
OUT 1 mode setting :
" oPS " (One point set mode)



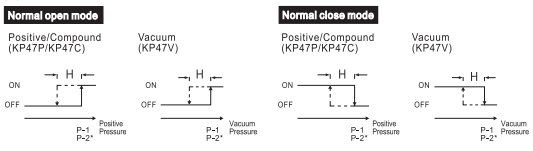
◎ Setting Condition 2 :
OUT 1 mode setting :
" HYS " (Hysteresis mode)
" Uin " (Window comparator mode)



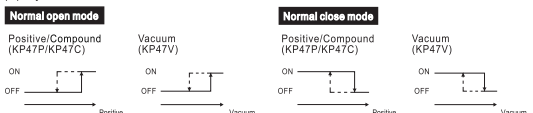
【NOTE :】
Do not disconnect power when the sub-display and setting value is flashing alternately; otherwise the system cannot store the values.

L. OUTPUT TYPE

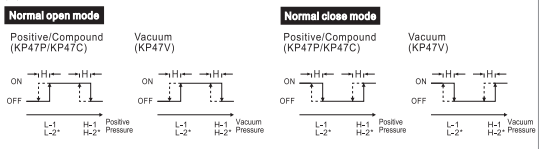
(1) One point set mode:



(2) Hysteresis mode:



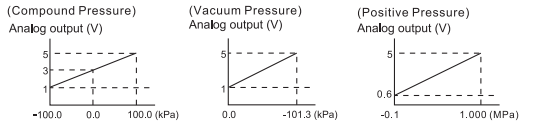
(3) Window comparator mode:



【NOTE :】
*1. Pressure setting value of P-2, L-2 or H-2 won't be shown when output spec. is 1 OUT.
*2. In case hysteresis is set at less than or equal to 2 digits, switch output may chatter if input pressure fluctuates near the set point.
*3. When using window comparator mode, the difference between two set points must be greater than the fixed hysteresis, otherwise will cause the switch output to malfunction.

M. ANALOG OUTPUT DESCRIPTION

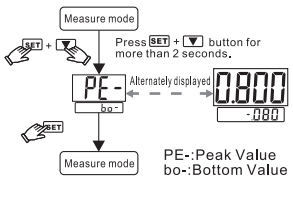
Analog output range 1-5V, proportional to the pressure range.



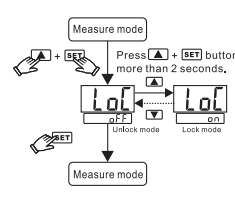
N. ZERO POINT SETTING

Press the ▲ + ▼ button at the same time until the "00" is shown. Release the button to end zero setting.

O. PEAK/BOTTOM HOLD FUNCTION

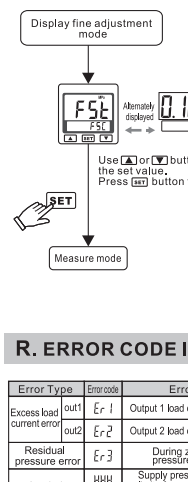


P. KEY LOCK/UNLOCK MODE

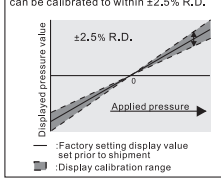


◎ Use key lock mode to prevent unauthorized or accidental tampering with the switch setting.
◎ When lock mode is selected, panel will display " LOCK ".

Q. FINE ADJUSTMENT MODE



This function eliminates slight differences in the output values and allows uniformity in the numbers displayed.
Displayed values of the pressure sensor can be calibrated to within ±2.5% R.D.



R.D. (Real Detect)
【NOTE :】 1. Setting resolution is ±0.1% R.D.
2.The signal would be changed with analog output after adjusting.

R. ERROR CODE INSTRUCTION

Error Type	Error code	Error Condition	Troubleshooting
Excess load current error	out1 Er1	Output 1 load current is more than 80 mA	Turn power off and check the cause of overload current or lower the current load under 80 mA, then restart.
	out2 Er2	Output 2 load current is more than 80 mA	
Residual pressure error	Er3	During zero reset, ambient pressure is over ±3% F.S.	Change input pressure to ambient pressure and perform zero reset again.
Applied pressure error	HHH	Supply pressure exceeds the upper limit of pressure setting.	Adjust the pressure within operating pressure range.
	LLL	Supply pressure exceeds the lower limit of pressure setting.	
System error	Er4	Internal system error	Turn power off, and then restart. If error condition remains, please return to factory for inspection.
	Er5	Internal system error	
	Er6	Internal data error	
	Er7	Internal data error	

S. PRESSURE UNIT CONVERSION TABLE

From \ To	Pa	kPa	MPa	kgf/cm²	mmHg	psi	bar	inHg
1 Pa	1	0.001	0.000001	0.00001197	0.00750062	0.000145038	0.00001	0.0002953
1 kPa	1000.000	1	0.001000	0.010197	7.500616	0.145038	0.010000	0.2953
1 MPa	1000000	1000	1	10.197	7500.616	145.038	10	295.2998
1 kgf/cm²	98066.5	98.0665	0.0980665	1	735.559	14.2233	0.980665	28.95979
1 mmHg	133.32	0.13332	0.000133	0.0013595	1	0.019336	0.0013332	0.039370
1 psi	6895	6.895	0.006895	0.07031	51.7157	1	0.06895	2.036074
1 bar	100000.0	100.0000	0.100000	1.01972	750.062	14.5038	1	29.52998
1 inHg	3386.388	3.386388	0.003386	0.034530	25.40000	0.491141	0.033863	1

T. China RoHS

Part Name	Hazardous Substances					
	Pb	Hg	Cd	Cr Vi	PBB	PBDE
Metal Part	X	O	O	O	O	O
Plastic Part	O	O	O	O	O	O
Electronic	X	O	O	O	O	O
Cable & Cabling accessories	O	O	O	O	O	O

This table is made according to SJ/T 11364.
O: Indicates that the concentration of hazardous substance in all of the homogeneous materials for this part is below the limit as stipulated in GB/T 26572.
X: Indicates that concentration of hazardous substance in at least one of the homogeneous materials used for this part is above the limit as stipulated in GB/T 26572.

數位顯示型壓力傳感器 PS47 系列

使用本產品應注意事項：

① 禁止使用於腐蝕性及易燃性的氣體或任何液體。
② 請在規格表內的額定壓力範圍內使用，若供給之壓力超過最大耐壓會使本產品損壞，導致功能異常。
③ 裝設本產品時，請勿用力撞擊或從高處掉落，即使外觀未受損害也可能因內部零件損壞而導致功能異常。
④ 在連接本產品於電路控制系統時，應先關掉電源，因為錯誤的接線或短路會導致本產品損壞。
⑤ 本產品請勿使用在有水氣或油霧的環境中。
⑥ 本系列產品並未有防爆驗証，請勿使用於空氣中含有爆炸性氣體或粉塵環境中。
⑦ 不可將連接本產品的導線與電源線或其它高壓電線綑綁在一起，以避免雜訊的干擾，而影響到本產品的功能。
⑧ 報廢的傳感器必須依所在國家/地區的電子廢棄物法規進行處置，不應與一般廢棄物一起處理。

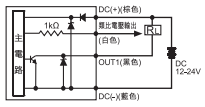
A. 規格表

型號		PSC47-□-□ (連成壓)	PSV47-□-□ (負壓)	PSN47-□-□ (正壓)
額定壓力範圍		-100.0~100.0 kPa	0.0~-101.3 kPa	-0.100~1.000 MPa
設定壓力範圍		-103.0~103.0 kPa	10.0~-103.0 kPa	-0.103~1.030 MPa
耐壓力		500 kPa		1.5 MPa
適用氣體		空氣，非腐蝕性，不可燃性		
壓力單位設定最小刻度	kPa	0.1		—
	MPa	—		0.001
	kgf/cm²	0.001		0.01
	bar	0.001		0.01
	psi	0.01		0.1
	inHg	0.1		—
	mmHg	1		—
電源電壓		12 ~ 24V DC ±10%, 漣波峰值 ≤ 10%		
消費電流		≤ 30mA (無負載時)		
開關輸出		NPN 開集極輸出 最大負載電流：80mA 最大供應電壓：30V DC 內部壓降：≤ 1V		PNP 開集極輸出 最大負載電流：80mA 最大供應電壓：24V DC 內部壓降：≤ 1V
重複精度		±0.3% F.S. ±1 digit		
應差	單點設定模式	可調 (*1)		
	應差模式			
	窗口比較模式			
反應時間		≤ 2.5ms (預防誤動作功能：25ms, 100ms, 250ms, 500ms, 1000ms 和 1500ms 可選擇)		
輸出短路保護		有		
顯示		4 位，7 段 LCD 顯示 (紅色 / 綠色 / 橙色) (取樣率：0.2, 0.5, 1 秒 / 次)		
顯示精度		±1% F.S. ±1 digit (在周圍溫度：25 ±3℃)		
動作顯示燈		橙色指示燈 1：OUT1 & 橙色指示燈 2：OUT2		
線性類比輸出 (電壓輸出)		輸出電壓：1 ~ 5V ±2.5% F.S. (額定壓力範圍下) 直線性：±1% F.S. 輸出阻抗約 1 kΩ		輸出電壓：0.6~5V±2.5%F.S. (額定壓力範圍下) 直線性：±1% F.S. 輸出阻抗約 1 kΩ
耐環境	防護等級	IP40		
	周圍溫度	動作：0 ~ 50 ℃，保存：-10 ~ 60 ℃ (無水露及不結冰狀況下)		
	周圍濕度	動作及保存：35~85% RH (無水露)		
	耐電壓	1000V AC 1分鐘 (引線及外殼間)		
	絕緣阻抗	≥ 50MΩ (500V DC) (引線及外殼間)		
	耐振動	複振福 1.5mm或10G，每1分鐘10Hz~150Hz~10Hz，X、Y、Z 每個方向各2小時		
	耐衝擊	100m/s² (10G)，X、Y、Z 每個方向各3次		
溫度特性		±2% F.S. 比較參考溫度 25℃ (0~50℃ 溫度範圍內)		
接管口徑		R1/8", M5		
電線規格		Ø4 耐油PVC - 26 AWG (0.15 mm²) - 4 芯		
重量		約 67g (包含2公尺的電線)		

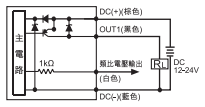
*1.單點設定模式及窗口比較模式僅可調整1~8digits的應差。

B. 輸出電路接線圖

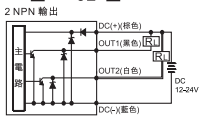
PS□47-01-□
1 NPN+Analog 輸出(1-5V)
(0.6~5V 僅正壓)



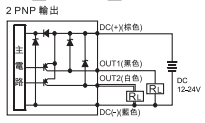
PS□47-03-□
1 PNP+Analog 輸出(1-5V)
(0.6~5V 僅正壓)



PS□47-02-□
2 NPN 輸出



PS□47-04-□
2 PNP 輸出



C. 型號規格說明

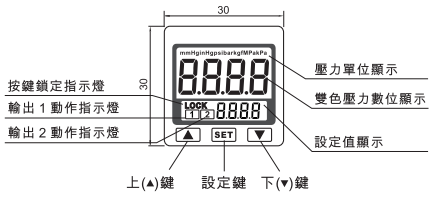
PSC-47-01-□

壓力類型
C：連成壓 (-103.0~103.0 kPa)
V：負壓 (10.0~-103.0 kPa)
N：正壓 (-0.103~1.030 MPa)

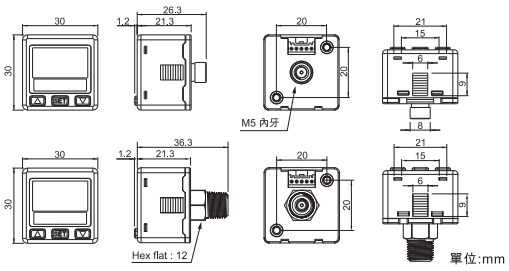
輸出類型
01：1 NPN 輸出 + 類比電壓輸出(1~5V)
02：2 NPN 輸出
03：1 PNP 輸出 + 類比電壓輸出(1~5V)
04：2 PNP 輸出

配件類型 (選購)
BT-14：固定架
BT-15：固定架
PA-C：面板接合器
PA-D：面板接合器+前保護蓋

D. 面板說明



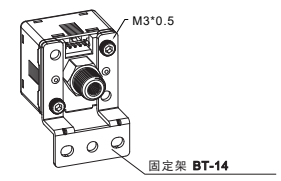
E. 外觀尺寸

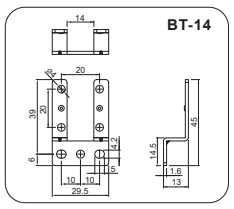


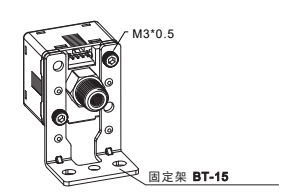
單位:mm

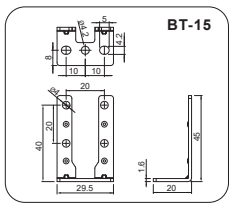
F. 配件類型 / 尺寸圖

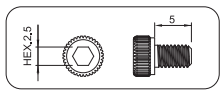
① 腳架





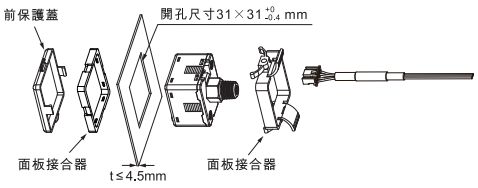




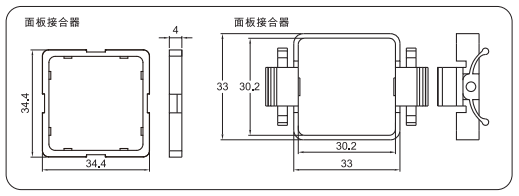


⚠ 警告：
*1. 螺絲適用的內六角板手尺寸為2.5mm
*2. 使用非標配螺絲，長度須限制在5mm

② 面板型式



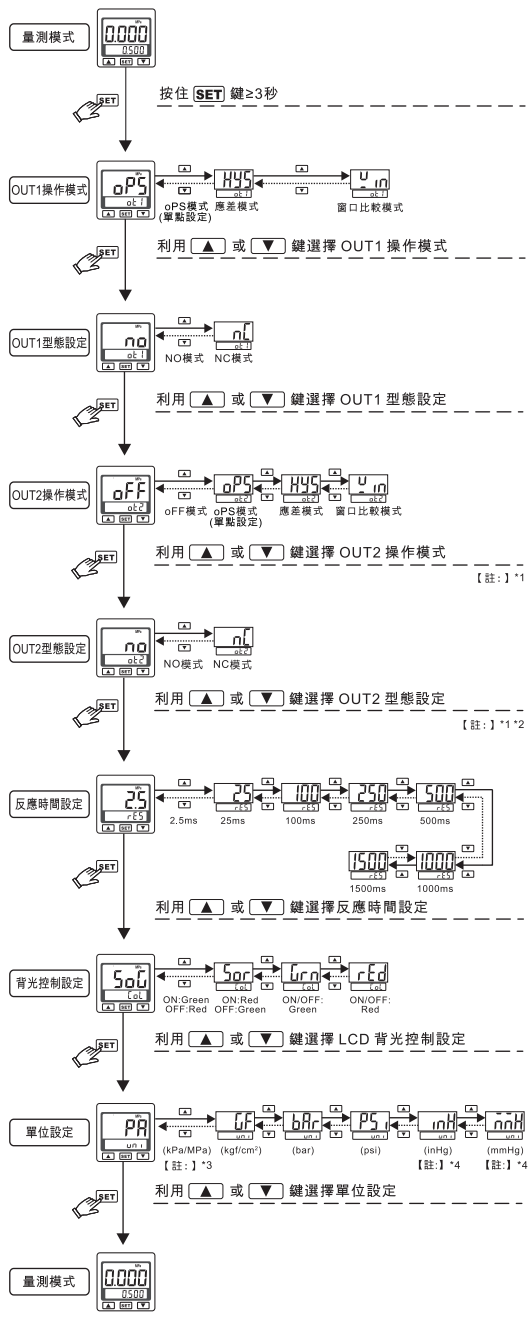
PA-C



PA-D

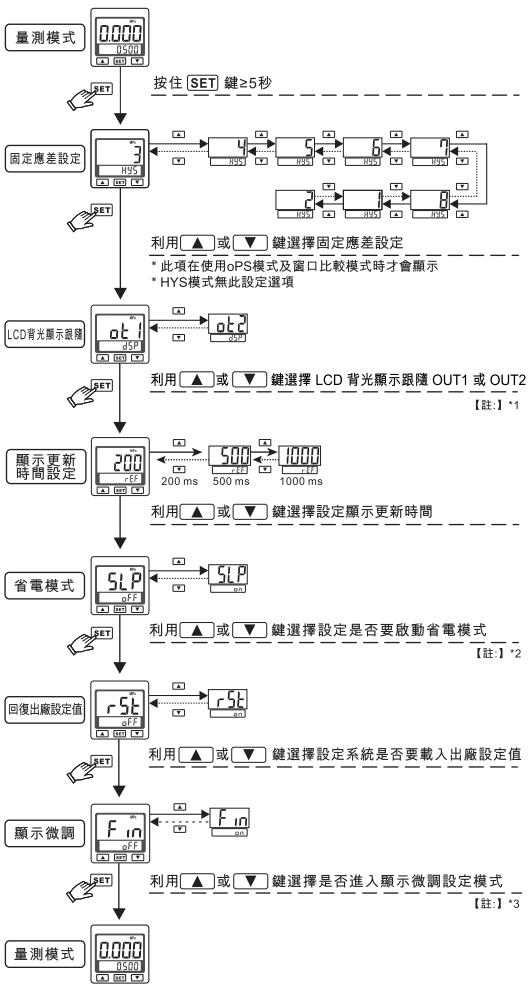
單位:mm

G. 基本設定模式



【註:】
*1. 當輸出類型為1 OUT時，就不會有此設定項。
*2. 當OUT2操作模式為oFF時，就不會有此設定項。
*3. 正壓單位為MPa，負壓及連成壓為kPa。
*4. 此單位僅適用於負壓及連成壓。

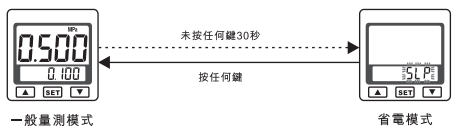
H. 進階設定模式



【註:】
*1.當輸出類型為1 OUT時，就不會顯示OUT2設定項。
*2.當設定為" on "時，即啟動省電模式，詳細說明請參考說明書第 I 項-省電模式。
*3.當設定為" on "時，即進入顯示微調的設定模式，詳細說明請參考說明書第 P 項-顯示微調功能。

I. 省電模式

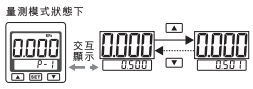
◎ 當啟動省電模式設定時，壓力傳感器在量測模式下，未按任何鍵30秒後，壓力傳感器會進入省電模式。
◎ 當壓力傳感器處於省電模式時，傳感器動作指示燈可能會有不同步的現象，但不會影響傳感器的動作。
◎ 當壓力傳感器處於省電模式時，按下任何鍵，壓力傳感器會自動回到一般量測模式。



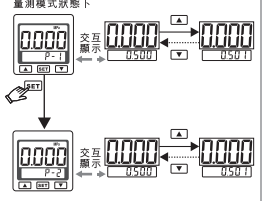
(主畫面不會顯示，子畫面顯示" SLP "閃爍)

J. 壓力設定模式 (2 OUT)

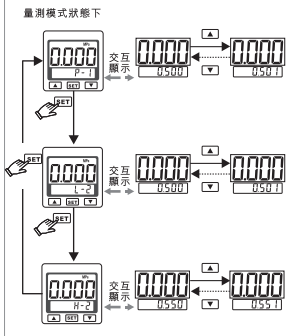
◎ 設定條件1：
輸出1的操作模式：" oPS "(單點設定模式)
輸出2的操作模式：" oFF "(不啟用)



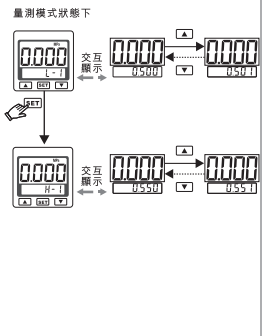
◎ 設定條件2：
輸出1的操作模式：" oPS "(單點設定模式)
輸出2的操作模式：" oPS "(單點設定模式)



◎ 設定條件3：
輸出1的操作模式：" oPS "(單點設定模式)
輸出2的操作模式：" HYS "(應差模式)
" U_in "(窗口比較模式)

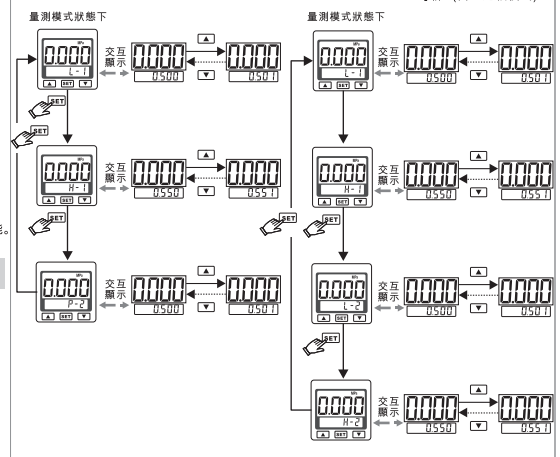


◎ 設定條件4：
輸出1的操作模式：" HYS "(應差模式)
" U_in "(窗口比較模式)
輸出2的操作模式：" oFF "(不啟用)



◎ 設定條件5：
輸出1的操作模式：" HYS "(應差模式)
" U_in "(窗口比較模式)
輸出2的操作模式：" oPS "(單點設定模式)

◎ 設定條件6：
輸出1的操作模式：" HYS "(應差模式)
" U_in "(窗口比較模式)
輸出2的操作模式：" HYS "(應差模式)
" U_in "(窗口比較模式)

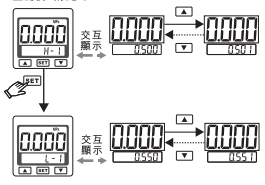


【註:】
當子畫面處於顯示設定項及設定數值互閃時，請勿關閉電源，否則系統將不會儲存使用者設定之數值。

K. 壓力設定模式 (1 OUT)

◎ 設定條件1：
輸出1的操作模式：" oPS "(單點設定模式)

◎ 設定條件2：
輸出1的操作模式：" HYS "(應差模式)
" U_in "(窗口比較模式)

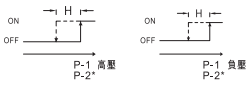


【註:】
當子畫面處於顯示設定項及設定數值互閃時，請勿關閉電源，否則系統將不會儲存使用者設定之數值。

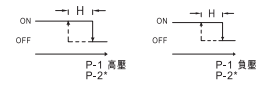
L. 輸出型態

(1) 單點設定模式：

常開模式

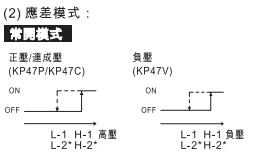


常閉模式

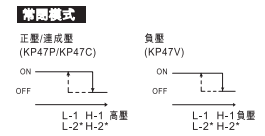


(2) 應差模式：

常開模式



常閉模式



(3) 窗口比較模式：

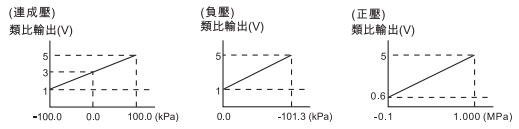
常開模式

常閉模式

【註:】
*1. 當輸出類型為1 OUT時，就不會有P-2、L-2、H-2壓力設定值。
*2. 當應差模式時，如壓力設定值在二個digits內，若輸入氣壓非常接近壓力設定值，壓力傳感器輸出可能會誤動作。
*3. 當設定於窗口比較模式時，設定2點之差一定要大於固定應差設定值，否則壓力傳感器輸出會無動作。

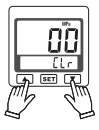
M. 線性類比輸出說明

類比輸出範圍介於1~5V，符合所需壓力範圍值。

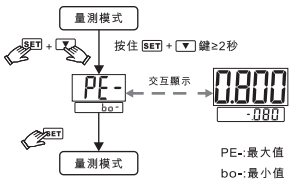


N. 歸零設定

在量測模式下同時按 ▲ + ▼ 鍵直到顯示為"00"，放開則結束歸零設定。

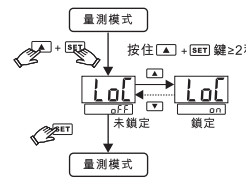


O. 最大/最小值顯示



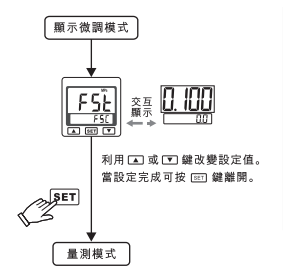
PE-:最大值
bo-:最小值

P. 按鍵鎖定功能



◎ 按鍵鎖定模式可使按鍵鎖定以預防誤按按鍵而更改設定值，進而導致傳感器的動作錯誤。
◎ 當啟動鎖鍵功能時，主畫面會顯示 LOCK，如圖：

Q. 顯示微調功能



R.D. (Real Detect 實際偵測壓力)

【註:】1. 調整解析度為 ±0.1 % R.D.
2. 調整後類比輸出訊號將會一起改變。

R. 錯誤訊息說明

錯誤名稱		錯誤顯示	錯誤說明	解決
過電流錯誤	out1	Er1	輸出1負載電流超過 80mA	關掉電源，檢查負載電流過大的原因或將負載電流降至80mA以內再重啟電源
	out2	Er2	輸出2負載電流超過 80mA	
殘留壓力錯誤		Er3	零值設定範圍超過 ±3% F.S.	改變周遭壓力之後，再重新作歸零
使用壓力錯誤		HHH	使用的壓力超過壓力設定值的上限	供給壓力請調整在使用壓力範圍內
		LLL	使用的壓力超過壓力設定值的下限	
系統錯誤		Er4	內部系統錯誤	切斷電源並重新供電若沒回復正常狀態則需送回原廠分析
		Er5	內部系統錯誤	
		Er6	內部資料錯誤	
		Er7	內部資料錯誤	

【註:】
*1. 當輸出類型為1 OUT時，就不會有P-2、L-2、H-2壓力設定值。
*2. 當應差模式時，如壓力設定值在二個digits內，若輸入氣壓非常接近壓力設定值，壓力傳感器輸出可能會誤動作。
*3. 當設定於窗口比較模式時，設定2點之差一定要大於固定應差設定值，否則壓力傳感器輸出會無動作。

S. 壓力單位轉換表

To / From	Pa	kPa	MPa	kgf/cm²	mmHg	psi	bar	inHg
1 Pa	1	0.001	0.000001	0.000010197	0.00750062	0.00014503	0.00001	0.0002953
1 kPa	1000.000	1	0.001000	0.010197	7.500616	0.145038	0.010000	0.2953
1 MPa	1000000	1000	1	10.197	7500.616	145.038	10	295.2998
1 kgf/cm²	98066.5	98.0665	0.0980665	1	735.559	14.2233	0.980665	28.95979
1 mmHg	133.32	0.13332	0.000133	0.0013595	1	0.019336	0.0013332	0.039370
1 psi	6895	6.895	0.006895	0.07031	51.7157	1	0.06895	2.036074
1 bar	100000.0	100.0000	0.100000	1.01972	750.062	14.5038	1	29.52998
1 inHg	3386.388	3.386388	0.003386	0.034530	25.40000	0.491141	0.033863	1

T. China RoHS

部件名稱	有害物質					
	鉛	汞	鎘	六價鉻	多溴聯苯	多溴二苯醚
金屬部件	X	O	O	O	O	O
塑料部件	O	O	O	O	O	O
電子件	X	O	O	O	O	O
線纜和線纜附件	O	O	O	O	O	O

本表格依據 SJ/T 11364的規定編制。
O: 表示該有害物質在該部件所有均質材料中的含量均在 GB/T 26572 規定的限量要求以下。
X: 表示該有害物質至少在該部件的某一均質材料中的含量超出 GB/T 26572 規定的限量要求。