CHELIC_®



SRM 系列 盒型集裝式電磁閥 操作說明書

使用安全

操作的注意事項

配線方法

訂購稱呼代號

壓力傳感器規格表

顯示畫面、主選單

輸出模式設定

單位設定

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快速歸零設定

壓力單位轉換表

輸出形式

繁

為了能夠安全的使用

他人可能造成的危害和损害。為了明確指示危害和损害的大小以及緊迫程度,以下事 項分為「注意」、「警告」和「危險」三個級別。因為不論那個級別都是與安全有關的重要 內容,因此還必須遵守ISS 0441、JIS B 88370以及其他安全法規。

標示	表示意義					
▲ 警告	表示錯誤操作時可能導致人員死亡或者負重傷					
⚠ 注意	表示錯誤操作時間可能導致人身傷害和財物損失					

. 本電磁閱是否適用,應由系統設計者或者規格測定人員判斷。

※在四年於四月於客戶系的"極疑自氣壓系統級計者返者與得別定人與每個需要能行分析及其其實 別定"總系統也能及其安全也方面由系統综合也對定者負責。希望日常對注義期的產品目錄和資料 採對所有相關的事項"並充分者總費科整生故事的可與性"以建構注册的系統。

本產品應由具有充分專業知識和經驗的人操作。

- 實施維持、裝置的完全及整備之前,各必認認已經接去被記動物體下落防止推復和失控防止 在新型裝置時,首先應當確認是否探取上述安全指表,並切斷層淵等,在整保系統安全的同時

在以下條件及環境下使用時,尤其應當考量安全對策,同時希望事先與本公司協商。

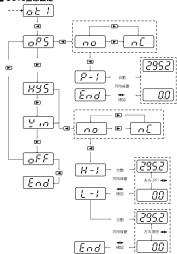
- A. 在则扩纵定外的条件、原境以及平外使用的。 B. 用於核能、攤迴、結查、中轉、醫療器材、與数料食品接觸的機合、採填機合、緊急斷陽系統、沖壓用離

·[8888]



■ OUT1型態設定

■反應時間設定



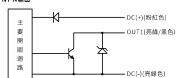
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End- I INH - DF I

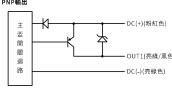
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End - 1500 - 1000 - 500

NPN輸出



▶ PNP輸出

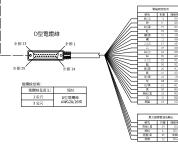


▲ 注意

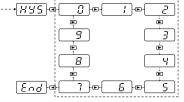
- 在操作狀態下,由於停電等電源被切斷時,本產品可暫時保持2次側的輔 出。另外,在大氣開放狀態下使用2次側的輸出時,由於空氣會持續溢流, 因此請謹慎操作。
- 如果本產品在充電狀態下切斷供給壓力,內裝的電磁關仍持續作動,有時 會發生蜂鳴聲。由於上述之情況會對電磁閥的壽命產生很大的影響,所以 在切斷供給壓力時,務必切斷本產品的電源。
- 本公司所有產品在出貨時均按照各自的規格進行調整。胡亂分解、各部的
- 拆卸可能等致故障,因此務必柱絕這種行為。 為了避免因噪聲引起的誤觸,請採取如下措施:
- 在AC電源線上設置線路滤波器等,用以除去電源噪音。
- 2.本產品及本產品配線盡量遠離發動機以及動力線等強磁場環境,並避 免噪音的影響。
- 3. 威應電荷 (電磁阀、繼電器等)必須採取負荷電湧防止措施。
- 4.為了避免電源波動的影響,請在切斷電源後插拔連接器。

▲ 注意

- 如果配線錯誤,可能導致破損,結準情操作
- 請使用足夠容量和波動小的DC電源。
 - 切斷電源後方可插拔連接器。
 - 由於直角型電纜線連接器本身不可旋轉,因此絕對不可轉動它。



■固定應差數值設定



■按鍵鎖定模式



■省電模式



■回復出廠設定



■ 快速歸零設定(在歷力顯示患面設定)



屋力單位轉換表								
From to	Pa	kPa	MPa	kg(/cm²	psi	bar	inHg	mmHg
1Pa	1	0,001	0,000001	0,000010197	0,000145038	0,00001	0.0002953	0,007501
1kPa	1000,000	1	0,001000	0.010197	0,145038	0,01000	0.2953	7,500638
1MPa	1000000	1000		10,197	145,038	10	295.2998	7500.638
1 kgf/cm ²	98066.5	98.0665	0.0980665	1	14.2233	0.980665	28,95979	735,55924
1psi	6895	6,895	0.006895	0.07031	1	0.06895	2.036074	51.715092
1bar	100000.0	100.0000	0.100000	1.01972	14,5038	1	29.52998	750.06168
linHg	3386,388	3.386388	0.003386	0.034530	0,491141	0.033863	1	25,400001
1mmHg	133.3224	0.133322	0.000133	0.001359	0.019336	0.001333	0.039370	1



SRM 3Y - E S8 - P S8 - 1 - C - M5

4 代號 ITA報酬型式 D2 24VCD



■ 訂購稱呼代號 - 盒型集裝式電磁閥 / 電磁閥塊 SRM 5 10 0 - C8 - D2

■ 訂購稱呼代號 - 盒型集裝式電磁網 / 左、右端塊

■ 訂購稱呼代號 - 盒型集裝式電磁閥 / 電磁關塊 SRM 3 10 0 - C6 - D2

作所 総務数 10 年税税 20 世報期

■ 訂購稱呼代號 - 盒型集裝式電磁閥 / 左、右端塊

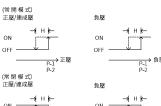
代號 裕葉型式

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rin same

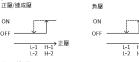


(1) 單點設定模式





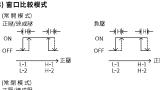
(2) 應差模式 (常開模式)

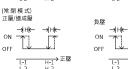


. 正壓/連成壓



(3) 窗口比較模式





- 1. 盆應差模式時,如壓定設定值在二個digits內,若輸入器壓非常接近 壓力設定值,壓力傳威器可能會設動作。2. 盆設定於窗口比較模式2時,設定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



SRM系列

12.0 Dar 空氣、非腐蝕性、不可燃

≤30mA(無負載時

4位,7段顯示(綠色)

±2% F.S.±1 digit(在周圍溫度:25±3°C

0~50°C(無水露及不結冰狀況下)

1000VAC 1分鐘(引線及塑源外級間) 50MΩ以上(500V DC)(引線及塑源外級間) 複振幅1.5mm,10Hz~55Hz,X~Y~Z 每個方向各2小時

成PNP 開集極輸出 50mA

壓力傳感器規格表

額定壓力範圍 設定壓力範圍

適用氣體

電源電原

輸出模式 最大負載電流

內部電壓損耗

反應時間 輸出短路保護

動作顯示燈

更新時間 顯示精度

防護等級

周圍溫度 周圍濕度

耐震財

耐衝擊

壓力單位設定

CHELIC



SRM Series Manifold Box Solenoid Valve Operation Manual

English version

Table of contents

Table of contents Safety precautions Handling notes Wiring method Order code Pressure Sensor Spec Sheet Display screen, main menu Output mode setting Unit setting Response time setting Fixed hysteresis value setting Key lock Power-saving settings Factory reset Quick zero-point setting Pressure Unit Conversion Table

For safe use

The precautions described here are intended for the safe and correct use of this product, to prevent potential harm and damage to you and others. To clearly indicate the magnitude and urgency of hazards and damage, the following Items are divided into three levels: Caution, Warning, and Danger. All three of them are important issues concerning safety. It is also necessary to comply with ISS 0441, JIS B 88370 and other safety regulations.

Output form

Description of signs

Signs	Meanings of signs					
⚠ Warning	This indicates that incorrect operation may result in personnel death or serious injuries					
⚠ Notes	This indicates that incorrect operation time may result in personnel injuries and property damage					

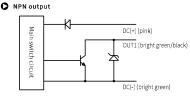
- Whether this solenoid valve is suitable for use should be determined by the
- system designer or the specification measurement personnel. Whether this product is suitable for the customer's system should be determined pressure system designer or the specification measurement personnel after anal have been conducted as required. The system suitability evaluator is responsible.
- The installation should be performed by personnel with sufficient professional expertise and experience.
- Never operate or disassemble the device until safety is confirmed.

- - i. When the product is used for any purpose that may greatly affect human is property or that may require special safety.

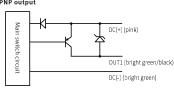
Basic mode settings

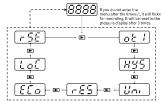
inHg 12~24V Voltage drop esponse time Yes 4 digits, 7 segment display (green Display OUT1 green Refreshing tim Display accuracy l digit(at ambient temperature: 25±3°C) nder the nonfreezing condition without dew) ion and storage: 35-85%RH (without dew) 1000/WC 1 minute (between lead wire and plastic case) 100 or more (500V DC) (between lead wire and plastic case) Complex amplitude 1.5mm, 10Hz-55Hz, X, Y, Z 2 hours each direction

Output circuit wiring diagram

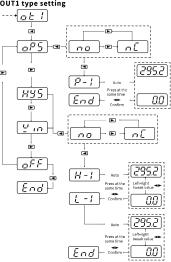


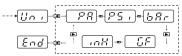
PNP output



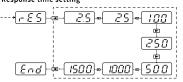


OUT1 type setting





Response time setting



Handling notes

⚠ Notes

- In the operating state, this product can temporarily maintain the output of the secondary side when the power supply is cut off due to any power failure Besides, when using the output on the secondary side in an open-air state, the air will continue to overflow, so please be careful in handling.
 If the supply pressure is cut off when the product is under charging, the built in solenoid valve will continue to function, and sometimes a beeping sound may occur. Since the foregoing situation will greatly affect the lifespan of the solenoid valve, be sure to cut off the power supply of this product when cutting of the supply pressure.
 Before product shipment, all products of our company will be adjusted according to their respective specifications. Any indiscriminate disassembly
- according to their respective specifications. Any indiscriminate disassembly of the parts may cause any malfunction; please be sure NOT to do so.

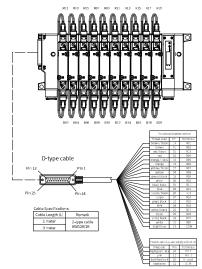
 To avoid mistaken touches caused by noise, please take the following measure
- 1. Install a device such as line filter on the AC power line, to remove power
- 2. This product and its wiring should be kept away from the strong magnetic field environment such as engine and power line as far as possible. Also, avoid the influence of noise.
- 3. Induced charges (solenoid valves, relays, etc.) must be protected against load surges.

 4. To avoid the influence of power fluctuation, please plug/unplug the
- connector after cutting off the power

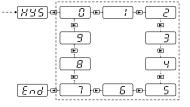
Wiring method

∧ Notes

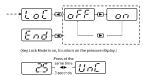
- Wiring mistakes may cause damage. Please handle with caution.
 Please use a DC power supply with sufficient capacity and small fluctuation.
 The connector can be plugged/ unplugged only after the power has been
- Since the right-angle cable connector itself is not rotatable, it should never



■ Fixed hysteresis value setting



Key Lock Mode



Power Saving Mode



Factory reset

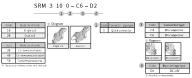


■ Quick zero-point setting(Setting on the pressure display.)



From to	Pa	kPa	MPa	kg(/cm²	psi	bar	inHg	mmHg
1Pa	1	0,001	0,000001	0,000010197	0,000145038	0,00001	0.0002953	0,007501
1kPa	1000,000	1	0,001000	0.010197	0,145038	0,01000	0.2953	7,500638
1MPa	1000000	1000		10,197	145,038	10	295.2998	7500,638
1kgf/cm²	98066.5	98.0665	0.0980665	1	14.2233	0.980665	28.95979	735,55924
1psi	6895	6.895	0.006895	0.07031	1	0.06895	2.036074	51.715092
1bar	100000.0	100.0000	0.100000	1.01972	14,5036	1	29.5299ê	750,06168
linHg	3386,388	3.386388	0.003386	0.034530	0.491141	0.033963	1	25,400001
1mmHg	133 3224	0.133322	0.000133	0.001359	0.019336	0.001333	0.039370	1

Code of order-Manifold Box Solenoid Valve / Solenoid Valve Block

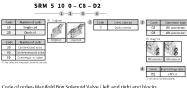


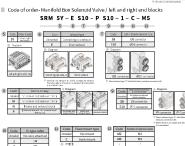
nanifold Box Solenoid Valve / left and right end blocks SRM 3Y-E S8-P S8-1-C-M5





Code of order - Manifold Box Solenoid Valve / Solenoid Valve Block



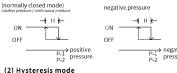




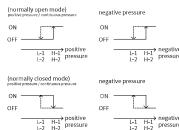
output form

(1) One point set mode

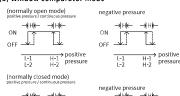
(normally open mode) negative pressure negative pressure → H K



(2) Hysteresis mode



(3) Window comparator mode







*1. In Hysteresis Mode, if the pressure setting is less than two digits, and if the input pressure is very near the set point, the pressure sensor may malfunction.

*2. When it is set in Window Comparator Mode 2, the difference between the set points must be greater than the fixed hysteresis value, otherwise the pressure sensor output will malfunction.