



AR-401-IO-0808R-RX



Panel PLC - DIN35

AR-727CM-IO-0804R



Mini PLC - DIN35

• 內建 HTTP SERVER 可直接透過瀏覽器在 WEB 頁面直接編程,不須人機介面

- 新增智慧建築特有邏輯排程功能,大量簡化大樓自動管理設定
- 標配 MOBUS-TCP to RTU Gateway 及 RS-485 IO expansion Port





SOYAL Website

軟體下載

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1. 特色

AR-401-IO-0808R-RX 是一款可直接透過瀏覽器進行雲端編程的智慧建築專用型可程 式邏輯控制器,並且全部 IO 皆支援標準的 Modbus-TCP 控制語法。非常適合中央監 控與門禁、物業管理的整合,特別是 SCADA 或 SOYAL 701ClientSQL 動態圖控整合 應用。

- 內建 HTTP SERVER 可直接透過瀏覽器在 WEB 頁面直接編程,不須人機介面
- 新增智慧建築特有邏輯排程功能,大量簡化大樓自動管理設定
- 輸入事件可主動經由 TCP 通知雲端監控系統且可自動執行離線緊急聯動處理程序。
- 具備萬年曆時間、假日條件、計數器、計時器與 DI/DO 功能的可編成邏輯控制器。
- 整合機房控制、門禁管理、設備維養共用圖控系統。

2. 硬體特色

- MOBUS-TCP to RTU Gateway X 1, 可用於 RTU 設備 / 電錶和模擬界面。
- RS-485 I/O 版擴展通訊埠 X 1,可擴展 I/O 數各達 256 點。
- PLC本機內建8個繼電器輸出和8個光耦合輸入最多可擴充到256DI&256DO。

3. 邏輯編程特色

- 具備萬年曆時間、假日條件、計數器、計時器與 DI/DO 功能的可編程邏輯控制器。
- 支援萬年曆時間及假日條件設定。
- 邏輯運算式:支援網頁編輯介面 64 條邏輯運算式。
- 邏輯條件:每小時/每天/每星期/萬年曆假日/定時器/計數器/AND/OR/ 邊緣事件。
- 輸出型態: ON/OFF / One Shot / Continue Pulse / Counter / Timer
- 實際輸出點 (DO) 與邏輯虛擬點共用,定址範圍內未用到的輸出點即可當成虛擬點。
- Timer:具備8個計時器,計時單位可選擇0.1秒或1.0秒,單一計時最大值為255,可串接其他計數器運用,最大計時可達3000年。
- Counter:具備8個邊緣觸發型計數器,單一計數最值為255,可串接其他計數器 運用,最大計數可超過1億次。



4-1 Output Type

| Output | Condition TRUE (條件成立) | Condition False | Available to |
|---------|-------------------------------|----------------------|--|
| On | Output On | Output Off | Real or Virtual Output |
| Off | Output/Cycle Off | Do nothing | Do or Cycle |
| Toggle | Output Toggle status | Do nothing | Do |
| Pulse | Output One shot | Do nothing | The Pulse field is output clicks |
| Cycle | Output start Flash | Do nothing | Trigger by Edge Stop by Off Event. $\%1$ |
| TMR | Enable Timer (Start Counting) | Timer return to Zero | |
| CNT INC | Counter = Counter + 1 | Do nothing | |
| CNT RST | Counter# = 0 | Do nothing | |

%1. Cycle output Pulse field must be in (High clicks) : (Low clicks) format, Ex:005:003 will on 5 sec. and low 3 sec.

4-2 Real time Clock Conditions

X Available to trigger Cycle or Pulse Output

| Holiday | Check to enable rule on Holiday | |
|------------|---|------------------------|
| Weekday | Check to enable rule on weekday | |
| Any Time | Set time to 24:00 will enable rule in anytime. | Without time limit |
| Day Event | Set time between 00:00~23:59 will enable rule in the specified time. | 1 triggers in one day |
| Hour Event | Set time between 24:01~24:59 will enable rule in the specified minute in each hour. | 24 triggers in one day |

4-3 Logic Conditions

| Logic Condition | | | | | | |
|------------------------|----------|---|-----------|--|--|--|
| Digital Inputs (0~255) | | Digital/Virtual Outputs (0~255) | | | | |
| AND DI | &Di | AND DO | &Do | | | |
| AND DI NOT | &DiN | AND DO NOT | &DoN | | | |
| OR DI | Di | OR DO | Do | | | |
| OR DI NOT | DiN | OR DON | DoN | | | |
| Edge Condition | | (Only Join 4 support edge co | ondition) | | | |
| DI Rising Edge | ^^Di | | | | | |
| DI Falling Edge | ^.Di | | | | | |
| Timer and Counter Co | ondition | Two row condition, the TMR/CNT # must assign in Join 1&3 than the compare value must be store in Join 2&4 | | | | |
| TMR(#) Less than () | LESS | CNT(#) Less than () | LESS | | | |
| TMR(#) Equal to () | EQUA | CNT(#) Equal to () | EQUA | | | |
| TMR(#) More than () | MORE | CNT(#) More than () | MORE | | | |

4-3 Click Timing of Timer / Pulse / Cycle

| Normal | The Timer/Pulse/Cycle will counting in 1.0 second base. |
|--------|---|
| Fast | The Timer/Pulse/Cycle will counting in 0.1 second base. |

5-1 IO Expend Nodes - 擴充 I/O 板站號與搭配範例表

特殊架構連接 AR-401-IO/AR-403-IO 系列產品擴充 I/O 板時, 啟用對應站號, 以下為 擴充搭配範例, 可依實際連接的擴充 I/O 板調整。

| | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-------------|----------|----------|---------|---------|-----------------------|
| | RCU Node | Ac | dressing | Input | Output | Virtual |
| 8 | PLC Onboard | 00 | 0~016 | 000~007 | 000~007 | 008~015 (AR401-0808R) |
| | Node 01 | 01 | 6~031 | 016~031 | 016~023 | 023~031 (AR401-1608R) |
| | Node 02 | 03 | 2~047 | 032~047 | 032~047 | ~ (AR401-1616R) |
| | Node 03 | 04 | 8~063 | 048~051 | 048~051 | 052~063 (AR403-0404M) |
| | Node 04 | 06 | 4~079 | 064~079 | 064~071 | 072~079 (AR401-1608R) |
| | Node 05 | 08 | 0~095 | 080~095 | 080~087 | 088~095 (AR401-1608R) |
| | Node 06 | 09 | 6~111 | 096~111 | 096~103 | 104~111 (AR401-1608R) |
| | Node 07 |] 11 | 2~127 | 112~127 | 112~119 | 120~127 (AR401-1608R) |
| | Node 08 | 12 | 8~143 | 128~143 | 128~135 | 136~143 (AR401-1608R) |
| | Node 09 | 14 | 4~159 | 144~159 | 144~151 | 152~159 (AR401-1608R) |
| | Node 10 | 16 | 0~175 | 160~175 | 160~167 | 168~175 (AR401-1608R) |
| | Node 11 |] 17 | 6~191 | 176~191 | 176~183 | 184~191 (AR401-1608R) |
| | Node 12 | 19 | 2~207 | 192~207 | 192~199 | 200~207 (AR401-1608R) |
| | Node 13 | 20 | 8~223 | 208~223 | 208~215 | 216~223 (AR401-1608R) |
| | Node 14 | 22 | 4~239 | 224~239 | 224~231 | 232~239 (AR401-1608R) |
| | Node 15 | 24 | 0~255 | 240~255 | 240~247 | 248~255 (AR401-1608R) |
| | | Update 7 | | | | |

※ 延伸版可任意搭配 SOYAL AR-401 全系列 IO 版,但須注意輸出點與虛擬點共用定址範圍。
※ 搭配 4 輸出點 IO 板時定址範圍內可用實質點為 4,虛擬點為後端 12 點。
※ 搭配 8 輸出點 IO 板時定址範圍內可用實質點為 8,虛擬點為後端 8 點。
※ 搭配 16 輸出點 IO 板時定址範圍內可用實質點為 16,但是無虛擬點。
※ 延伸版數量與掃描時間成反比,需要快速響應的場合請以主板 IO 為主。
※ 除純靜態監視場合之外(例如機房高溫警報),延伸的數量請不要超過 3 片。

1 RCU Node : 選擇站號

2 勾選是否啟用

- 3 Addressing:定址範圍
- 4 Input : 實質輸入點 (DI)
- 5 Output : 實質輸出點 (DO)
- 6 Virtual : 虛擬輸出點 (DO)

※註:虛擬輸出點後方的產品型號為範例,實際點位請依實際設備連接狀態為主。

- **7** Update: 按下 Update 更新設定
- 8 此欄位為實際連接的 IO 擴充板點位數量

5-2 IO Schedule - 已設定的編程列表總覽

可查閱已設定之編程列表。

| Sche | dule | << 0 | | Rer | new | >> | | | | | | | | | | | |
|-------|-------|------|------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|-------|---------|----------|---------|----------|
| Index | Mode | Out# | Pulse | 0.1 | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Holiday | hh:mm | Join 1 | Join 2 | Join 3 | Join 4 |
| 000 | ON | 000 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | TMR:000 | LESS:005 |
| 001 | ON | 001 | | - | Y | Y | Y | Y | Y | Y | Y | Υ | 24:00 | TMR:000 | MORE:003 | TMR:000 | LESS:030 |
| 002 | ON | 002 | | - | Y | Y | Y | Y | Y | Y | Y | Υ | 24:00 | TMR:000 | MORE:015 | TMR:000 | LESS:025 |
| 003 | ON | 003 | 12/202 | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | TMR:000 | MORE:025 | TMR:000 | LESS:035 |
| 004 | ON | 017 | | - | Y | Y | Y | Y | Υ | Υ | Y | Y | 24:00 | TMR:000 | MORE:008 | TMR:000 | LESS:017 |
| 005 | ON | 018 | | - | Y | Y | Y | Y | Υ | Υ | Υ | Υ | 24:00 | TMR:000 | MORE:013 | TMR:000 | LESS:022 |
| 006 | Cycle | 005 | 002:025 | Y | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:000 |
| 007 | Cycle | 007 | 015:001 | Y | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:000 |
| 008 | OFF | 007 | 1.71.71.77 | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:001 |
| 009 | ON | 016 | | - | Y | Y | Y | Y | Y | Y | Υ | Υ | 24:00 | TMR:000 | LESS:012 | Do:031 | :000 |
| 010 | ON | 019 | × | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | TMR:000 | MORE:018 | TMR:000 | LESS:027 |
| 011 | Timer | 000 | 33 | Υ | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | TMR:000 | LESS:050 | :000 | :000 |

5-3 Schedule Setting - 排程編輯頁面

| Item | Value | Rule | Descriptions |
|----------|---------------|-------|---|
| Schedule | << 0 Go to >> | Clear | |
| Mode | 2:0N ¥ | | Pulse/Cycle/Toggle action on Timed/Edge only. |
| Out # | 0 | | IO#(0~255), TMR/CNT #(0~31) |
| 200 1 | (A) | | |

【Schedule】: 共有 64 組 IO Schedule 排程可供設定,範圍 0-63。

| Item | Value | Rule | Descriptions |
|----------|---------------|-------|---|
| Schedule | << 0 Go to >> | Clear | |
| Mode | 2:0N ¥ | | Pulse/Cycle/Toggle action on Timed/Edge only. |
| Out # | 0 | | IO#(0~255), TMR/CNT #(0~31) |
| 200 | 16× | | entralezza entralezza i cuer |

【Clear】:點擊後清空此排程全部設定,需搭配 Update 按鈕更新參數。

| Item | Value | Rule | Descriptions |
|----------------|--------------------------------|------------|--|
| Schedule | < 0 Go to | >> Clear | |
| Mode | 2:0N 🗸 | | Pulse/Cycle/Toggle action on Timed/Edge only |
| Out # | 0:None | | IO#(0~255), TMR/CNT #(0~31) |
| Clicks | 2:ON | | Pulse(1~65535) or Cycle(1~255:1~255) |
| Fast Click | 3:Pulse | | 0.1 or 1.0 Second |
| Action Time | 4:Cycle 5:Toggle 6:TIMER | | Anytime:24:00, Hour Event: 24:01~24:59 |
| Holiday | 7:CNT Inc | | None |
| Sun | 8:CNT RST | &Di (&DiN) | AND Di(Not) |
| Mon | | &Do (&DoN) | AND Do(Not) |
| Tue | | Di (DiN) | OR Di(Not) |

【Mode】:輸出動作模式分為以下八種。詳細設定可參考説明書[章節 6 實際案例]

- OFF: 指定 Output 執行關閉動作,可用來 OFF Do 或停止 Cycle 的輸出。
- ON: 指定 Output 執行開啟動作。
- Pulse: 觸發 Output 執行短暫開啟,需在 Pulse 欄位指定輸出的 Clicks 長度, Clicks 範圍可 設定 1~65535,同時可選擇以 0.1 秒或 1.0 秒為計時單位。
 (僅適用於邊緣觸發、TIMER 模式)
- Cycle: 觸發循環 ON/OFF 輸出,需在 Pulse 欄位指定【ON:Off】的 Clicks 長度,Clicks 範圍可設定 1~255,動作時間可選擇以 0.1 秒或 1.0 秒為計時單位。
 (僅適用於邊緣觸發、TIMER 模式)

- Toggle:指定 Output 執行以下動作,第一次觸發 on,第二次觸發 off,需搭配時間指定 或邊緣觸發條件。(僅適用於邊緣觸發、TIMER 模式)
- TIMER:共有 32 個 Timer 計時器,當邏輯條件式成立時 Timer 開始計時,條件式不成立時 Timer 會自動歸零。Timer 的最大計時數範圍 0~255,可選擇計時單位為 0.1 秒或 1.0 秒。若需要更長的計時長度時可串接計數器使用,例如計時 60 秒時自動復歸並且觸發計數器加一,便可實現以分鐘為單位的計時器,如果再串接計數器每60 次觸發下一級計數器便可實現以小時為單位的計時器。
- CNT Inc: 共有 32 個 Counter 計數器,當邏輯條件成立時 Counter 的數值自動加 1,當邏輯 條件不成立時計數器不會自動歸零,需另外指定 CNT RTS 指令執行計數器歸零, 計數器最大計數範圍 0~255,如果需要更大數值範圍時可多計數器串接使用。
- CNT RST: 當邏輯條件成立時計數器歸零, 使觸發點位停止動作。

| Item | Value | Rule | Descriptions |
|----------|---------------|-------|---|
| Schedule | << 0 Go to >> | Clear | |
| Mode | 2:0N ¥ | | Pulse/Cycle/Toggle action on Timed/Edge only. |
| Out # | 0 | | IO#(0~255), TMR/CNT #(0~31) |
| Clicks | 0 | | Pulse(1~65535) or Cycle(1~255:1~255) |

【Out #】:可指定輸出 IO(0~255) 點位或 TMR/CNT(0~31),AR-401-IO-0808R 主板可指定的輸入範圍為 0~7,實際輸出點範圍 0~7,虛擬輸出點 8~15。 如果連接 IO 擴充版的話,每增加一個站號便可增加 16 個輸入點及 16 個 輸出點的定址範圍,其中實質輸出點與虛擬輸出點共用定址空間,換句話 説如果擴充一片 AR-401-1608R 就可新增 16 個輸入 8 個輸出及 8 個虛擬點。

| Item | Value | Rule | Descriptions |
|------------|---------------|-------|---|
| Schedule | << 0 Go to >> | Clear | |
| Mode | 2:0N ¥ | | Pulse/Cycle/Toggle action on Timed/Edge only. |
| Out # | 0 | | IO#(0~255), TMR/CNT #(0~31) |
| Clicks | 0 | | Pulse(1~65535) or Cycle(1~255:1~255) |
| Fast Click | | | 0.1 or 1.0 Second |

Clicks : Pulse 輸出狀態下,可設定 1~65535 秒; Cycle 輸出狀態下,可設定 1~255:1~255 的循環觸發秒數,例 003:003 即 on 3 秒 → off 3 秒→ on 3 秒 → off 3 秒 ……以此類推。

| Item | Value | Rule | Descriptions |
|------------|---------------|-------|---|
| Schedule | << 0 Go to >> | Clear | |
| Mode | 2:0N ¥ | | Pulse/Cycle/Toggle action on Timed/Edge only. |
| Out # | 0 | | IO#(0~255), TMR/CNT #(0~31) |
| Clicks | 0 | | Pulse(1~65535) or Cycle(1~255:1~255) |
| Fast Click | | | 0.1 or 1.0 Second |
| Action | 24.00 | | Anvtime:24:00 Hour Event: 24:01~24:59 |

Fast Click: 勾選後 Clicks 以 0.1 秒為單位,不勾則維持以 1 秒為單位。



Action Time: 分為三種設定

- a. 填入 00:00-23:59 時,代表會在每天一個固定時間點觸發此排程。
- b. 填入 24:00 時(預設值),代表此排程之 IO 觸發與時間無關;
- c. 填入 24:01~24:59 之內的時間點,則會在每小時固定分鐘數啟動, 例如填入 24:15 則代表每小時 15 分整會觸發輸出。

| Action Time | 24:00 | | Anytime:24:00, Hour Event: 24:01~24:59 |
|----------------|-------|----------------------|--|
| Holiday | | a na a st | None |
| Sun | | &Di (&DiN) | AND Di(Not) |
| Mon | | &Do (&DoN) | AND Do(Not) |
| Tue | | Di (DiN) | OR Di(Not) |
| Wed | | Do (DoN) | OR Do(Not) |
| Thu | | ^^Di (^.Di) | DI Rising(Falling) |
| Fri | | TMR / CNT | Timer or Counter |
| Sat | | LESS / EQUA / MOR | E vs. C/T Value |
| Join 1 | :# 0 | (0~255) | IO#,CT# |

Holiday/Sun-Sat:此 PLC 控制器具備假日編輯功能,可定義啟用排程之星期, 以及假日是否啟用。



Join 1-4: 自訂觸發條件。

邏輯條件優先順序為 Timer \rightarrow Counter \rightarrow OR \rightarrow AND \rightarrow Edge, 當有 多條件混用時請先填寫 TMR/CNT 再接 OR 條件然後 AND 條件,最後 才是緣條件,而且邊緣條件只能填寫於 Join4。

5-4 Clock - 時間設定

確認 / 更新 AR-401-IO-0808R 時間。

Real Time Clock Setting

| Item | | Setting | |
|--------|--------|---------|--|
| Year | 23 | | |
| Month | 8 | | |
| Day | 24 | | |
| Hour | 10 | | |
| Min | 45 | | |
| Second | 28 | | |
| | Update | | |

5-5 Holiday - 假日設定

假日編輯頁面,無勾選 Holiday 時,應勾選指定假日日期,啟用 / 停用指定排程。 可依照月份與日期新增假日,全年度假日以列表顯示,清楚明瞭。



6-0 DI/DO 點位定義說明

X₀/X₁/.../X_n 代表實質輸入點 DIX₀/DIX₁/.../DIX_n Y₀/Y₁/.../Y_n 代表實質輸出點 DOY₀/DOY₁/.../DOY_n M₀/M₁/.../M_n 代表虛擬輸出點 DOM₀/DOM₁/.../DOM_n

6-1 馬達自保持控制

此為 AR-401-IO-0808R 做自保持的設定方式,可使用傳統 PLC 方式進行設定 **說明:** AR-401-IO-0808R 支援傳統自保持設定模式,X₀或Y₀導通時,若X₁為 OFF 短路 狀態,則Y₀ 觸為 ON。

| Schedule S | Setting 階梯圖 |
|---------------|---|
| Item | Value |
| Schedule | << 0 Go to >> 1 |
| Mode | |
| Out # | $\begin{array}{c c} 0 \\ \hline \\ \end{array} \\ X_{0} \\ \hline \\ X_{1} \\ \hline \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \hline \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \end{array} \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \end{array} \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} Y_{0} \\ \end{array} \\ $ |
| Clicks | 0 |
| Fast Click | |
| Action Time | 24:00 |
| Holiday | |
| Sun | |
| Mon | |
| Tue | |
| Wed | |
| Thu | |
| Fri | |
| Sat | |
| Join 1 | |
| Join 2 | |
| Join 3 | &DiN :#1 |
| Join 4 | :#0 |
| | Update Motor |
| | |
| IO Schedu | le |
| Index Mode Ou | t# Pulse 0.1 Sun Mon Tue Wed Thu Fri Sat Holiday hh:mm Join 1 Join 2 Join 3 Join 4 |
| 000 ON 000 | 0 |

6-2 馬達 On/Off 採用邊緣觸發

AR-401-IO-0808R 支援邊緣觸發功能,可簡單設計出相同動作,與馬達自保持控制動作模式一致。

說明: X_0 上緣觸發時, 觸發 Y_0 ; X_1 上緣觸發時, 關閉 Y_0 。

此範例應用:邊緣觸發(上緣)/ON/OFF

※ 邊緣觸發條件必需設定於 Join 4 欄位



6-3 每周一~五早上燈光閃爍 90 分鐘

條件:

1. 平日週一至五早上燈光 90 分鐘, 六、日與假日不動作。

2. 燈光閃爍方式為 ON 0.5 秒 → OFF 0.2 秒 → ON 0.5 秒 → OFF 0.2 秒 ……的循環。
 3. 本範例採用固定時間點(上午 08:30)作為觸發條件。

說明:設定 Cycle 的啟動條件為周一至周五時間到 08:30,關閉條件為任意星期且時間 到 09:59。

此範例應用:

假日設定 / 時間觸發條件 / Fast Click 時間單位切換 (1sec / 0.1secs) / Cycle 輸出

| Schedule< | Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Set | <<1 Go to >> 1:OFF ✓ 7 0 0 09:59 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
|---|--|---|
| Mode4:CycleOut #7Clicks005:002Fast ClickImage: Click and the state of the state o | Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Set | 1:OFF ~ 7 0 0 09:59 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| Out #7Clicks005:002Fast ClickImage: Click of the state o | Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Set | 7 0 0 9 09:59 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| Clicks 005:002 Fast Click Action Time 08:30 Holiday Sun Mon Yue Wed Thu Fri Sat | Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Set | 0 09:59 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| Fast ClickImage: Click and the second se | Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Set | □ ○ 09:59 ○ |
| Action Time08:30HolidaySunMonTueWedThuFriSat | Action Time Holiday Sun Mon Tue Wed Thu Fri Set | e 09:59 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| HolidaySunMonImage: Constraint of the state of the s | Holiday Sun Mon Tue Wed Thu Fri | |
| Sun Constant Sun | Sun Mon Tue Wed Thu Fri | |
| MonImage: Constraint of the systemTueImage: Constraint of the systemWedImage: Constraint of the systemThuImage: Constraint of the systemFriImage: Constraint of the systemSatImage: Constraint of the system | Mon Tue Wed Thu Fri | |
| Tue Wed Thu Fri Sat | Tue Wed Thu Fri | |
| Wed Thu Fri Sat | Wed Thu Fri | |
| Thu I Fri I Sat I | Thu Fri Set | |
| Fri 🗹 Sat | Fri | |
| Sat 🛛 | Cat | |
| | Sal | |
| Join 1 :#0 | Join 1 | :# O |
| Join 2 :#0 | Join 2 | :#0 |
| Join 3 :#0 | Join 3 | :#0 |
| Join 4 :# 0 | Join 4 | :#0 |
| | | Update |
| chance | | |
| 周 日 | | |
| | ▶ | |
| | 0. | .5Sec. 0.5Sec. |
| | START - | |
| ● <u>1</u> ● 8:30 | | |
| | STOP | (0.1Sec) |
| | | 0.2Sec. 0.2Sec. |
| 0 9:59 | | |
| Schedule | | |
| Ande Out# Pulse 0.1 Sun Mon Tue Wed Thu Fri Sat Holic | av hh:mm | 1 Join 2 Join 3 Join 4 |

6-4 按下啟動按鈕開始閃爍[,]直到按下停止鈕為止

條件:

按下無段按鈕 A 邊緣觸發 (X₇) 開始執行 Cycle 輸出 (Y₃),按下無段按鈕 B 邊緣 (X₆) 停止 輸出 (Y₃) (※ 邊緣觸發條件必須設定於 Join4)

說明:

動作方式為 Cycle 循環輸出,單位 0.1 秒,以 0.5/0.2/0.5/0.2 秒…動作。

此範例應用:

Fast Click 時間單位切換 (1sec/0.1secs) / Cycle 輸出 / 邊緣觸發(上緣)

| Item | Value | 1 Item | Value |
|----------|---------------------------------|--|--|
| Schedu | le << 0 Go to >> | Schedule | < 1 Go to >> |
| Mode | 4:Cycle v | Mode | 1:0FF V |
| Out # | 3 | Out # | 3 |
| Clicks | 005:002 | Clicks | 0 |
| Fast Cli | ck 🗹 | Fast Click | |
| Action T | ime 24:00 | Action Tin | ne 24:00 |
| Holiday | | Holiday | |
| Sun | | Sun | |
| Mon | | ł Mon | |
| Tue | | Tue | |
| Wed | | Wed | |
| Thu | | Thu | |
| Fri | | Fri | |
| Sat | | Sat | |
| Join 1 | :#0 | Join 1 | · :#0 |
| Join 2 | :# 0 | Join 2 | ;#0 |
| Join 3 | :# 0 | Join 3 | :#0 |
| Join 4 | ^^Di :#[7 | Join 4 | ^^Di :# 6 |
| | Update | | Update |
| | ן≰ (c ×٫ | Cycle) Y ₃ OFF) Y ₃ | 位0.1秒,規律 0.5 / 0.2 / 0.5 5Sec. 0.5Sec. 0.2Sec. 0.2Sec. (0.1Sec) 0.2Sec. 0.2Sec. |
| Schedule | # Pulse 0.1 Sun Mon Tue Wed Thu | u Fri Sat Holiday hh:mm Jc | bin 1 Join 2 Join 3 Join 4 |

6-5 亮燈 / 熄燈狀態循環改變

條件:

按下按鈕(X₆) 觸發兩個輸出:

(1) 燈泡 A 亮起 1.5 秒

(2) 燈泡 B 亮燈 / 熄燈循環改變, 觸發一次 ON, 再觸發一次 OFF

說明:

X₆ 觸發 Y₂ 導通 1.5 秒。按下按鈕 (X₆) 亮燈 / 熄燈狀態循環改變。(※ 邊緣觸發條件必須設定於 Join4)

此範例應用: Pulse 輸出 / Action Time

| Item | Value | 1 Item | Value | |
|------------|-----------------------------------|-------------|---|--|
| Schedule | << 0 Go to >> | Schedule | < 1 Go to >> | |
| Mode | 3:Pulse V | Mode | 5:Toggle V | |
| Out # | 2 | Out # | 3 | |
| Clicks | 15 | Clicks | 0 | |
| Fast Click | | Fast Click | | |
| Action Tim | e 24:00 | Action Time | 24:00 | |
| Holiday | | Holiday | | |
| Sun | | Sun | | |
| Mon | | Mon | | |
| Tue | | Tue | | |
| Wed | | Wed | | |
| Thu | | Thu | | |
| Fri | | Fri | | |
| Sat | | Sat | | |
| Join 1 | :# 0 | Join 1 | :# 0 | |
| Join 2 | :#0 | Join 2 | :# 0 | |
| Join 3 | :# 0 | Join 3 | :# 0 | |
| Join 4 | ^^Di :#6 | Join 4 | ^^Di :#6 | |
| | Update | | Update | |
| 梯圖 | ↑ × ₆ | | (Pulse) Y ₂) 觸發方式: On 1.5 Sec | |
| | ↑ | | (Toggle) | |
| | 6 | | | |
|) Schedule | | 觸發方式: 觸 | _到 弢一次ON,再一次OFF | |
| Schedule | # Pulse 0.1 Sun Mon Tue Wed Thu I | 觸發方式: | 7發一次ON,再一次OFF | |

6-6 啟動馬達,每小時運行2分鐘

條件:

每個小時的第 01 分鐘時, Motor (Y2) 都會啟動 120 秒,時間到自動停止。

說明:

此設定使用 Pulse 輸出 120 秒,觸發條件單純只有時間,Action Time 設定 24:01~24:59 的時候,將會每小時定時觸發,詳細差異可參考 P.8 的 Action Time。

此範例應用:

Pulse 輸出 / Action Time 每小時定時觸發

| Schedule S | etting | 階梯圖 | |
|-------------|--------------------------------|---|--|
| Item | Value | | |
| Schedule | << 0 Go to >> | | |
| Mode | 3:Pulse ~ | | |
| Out # | 2 | | |
| Clicks | 120 | Pulse | |
| Fast Click | | [-24.01] $[-24.01]$ | |
| Action Time | 24:01 | 120 Sec / | |
| Holiday | | | |
| Sun | | | |
| Mon | | | |
| Tue | | 00:01 01:01 02:01 03:01 23:01 | |
| Wed | | | |
| Thu | | $[(\downarrow) (\downarrow))$ | |
| Fri | | | |
| Sat | | | |
| Join 1 | :# 0 | | |
| Join 2 | :#0 | | |
| Join 3 | :#0 | | |
| Join 4 | :#0 | | |
| | | | |
| | | | |
| IO Schedu | le | | |
| Index Mode | Out# Pulse 0.1 Sun Mon Tue Wed | Thu Fri Sat Holiday hh:mm Join 1 Join 2 Join 3 Join 4 | |
| 000 Pulse | 002 120 - Y Y Y Y | Y Y Y Y 24:01:000:000:000:000 | |

6-7 大門開啟超過 10 分鐘觸發門禁警報, 需透過按鈕解除

條件:

大門具備門位偵測/磁簧,作為計時器開始計時之條件,當大門開啟(磁簧短路)超過10 分鐘時,將會觸發警報,警報持續到大門關閉(磁簧導通)或管理人員按下警報解除鈕, 才停止發報。

說明:

Index 000: 計時器 Timer000 等於 60 時,計數器 Counter000 會 +1

- Index 001: 計時器 Timer000 小於 60 時,會無限循環計時 0~60 秒;額外還有必須的觸發 條件 Y₀ OFF (警報尚未觸發)以及 X₀ OFF (門開,磁簧短路)
- Index 002: 當計數器的次數超過 10, 會觸發虛擬輸出點 M₁₅(用作 Y₀ 警報輸出的觸發 條件)
- Index 003: 計數器重置的觸發條件為 X_0 (關門, 磁簧導通) 或 X_1 (按下警報解除鈕)
- Index 004: Y₀ 警報觸發自保持,條件為虛擬輸出點 M₁₅ ON(門開十分鐘),且 X₁ OFF (警報解除鈕短路)

此範例應用:

計時器 Timer / 計數器 Counter / 虛擬輸出點 / 自保持

| tem | Value | Item | Value | Item | Value |
|--|--|--|---|-------------|---------------|
| chedule | << 0 Go to >> | Schedule | < 1 Go to >> | Schedule | << 2 Go to >> |
| Node | 7:CNT Inc 🗸 | Mode | 6:TIMER V | Mode | 2:0N V |
| Dut # | 0 | Out # | 0 | Out # | 15 |
| Clicks | 0 | Clicks | 0 | Clicks | 0 |
| ast Click | | Fast Click | | Fast Click | |
| Action Time | 24:00 | Action Time | 24:00 | Action Time | 24:00 |
| lolidav | | Holiday | | Holiday | |
| Sun | | Sun | ✓ | Sun | |
| Non | | Mon | | Mon | |
| Tue | | Tue | | Tue | |
| Ved | | Wed | | Wed | |
| Thu | | Thu | | Thu | |
| Fri | | Fri | | Fri | |
| Sat | | Sat | | Sat | |
| loin 1 | TMR :#0 | Join 1 | TMR :#0 | Join 1 | CNT :#0 |
| loin 2 | EQUA :# 60 | Join 2 | LESS :# 60 | Join 2 | MORE :# 10 |
| loin 3 | :# 0 | Join 3 | &DoN :#0 | Join 3 | :#0 |
| loin 4 | :#0 | Join 4 | &DIN :#0 | Join 4 | :#0 |
| | Update | | Update | I I | Update |
| Schedule Mode | << 3 Go to >> | Schedule | << 4 Go to >> | 1 | |
| Out # Clicks Fast Click Action Time Holiday Sun | 8:CNT RST ~ 0 0 24:00 | Out # Clicks Fast Click Action Time Holiday Sun | 2:0N V 0 0 24:00 V | | |
| Out # Clicks Fast Click Action Time Holiday Sun Mon | 8:CNT RST ~ 0 0 24:00 24:00 | Out # Clicks Fast Click Action Time Holiday Sun Mon | 2:0N V 0 0 24:00 V V | | |
| Out # Clicks Fast Click Action Time Holiday Sun Mon Tue | 8:CNT RST ~ 0 0 24:0 | Out # Clicks Fast Click Action Time Holiday Sun Mon Tue | 2:0N V 0 0 24:00 V V V | | |
| Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu | 8:CNT RST ~ 0 24:00 | Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed | 2:0N V 0 0 24:00 V V V V | | |
| Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri | 8:CNT RST ~ 0 0 24:0 | Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Eri | 2:0N V 0 0 24:00 V V V V V V V V | | |
| Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat | 8:CNT RST ~ 0 0 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 | Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat | 2:0N V 0 0 24:00 V V V V V V V V V V V V V | | |
| Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat | 8:CNT RST ~ 0 0 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 | Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat | 2:0N V 0 0 24:00 24:00 V V V V V V V V V V V V V | | |
| Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 | 8:CNT RST 0 0 24:00 24 | Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 | 2:0N V 0 0 24:00 24:00 V V V V V V V V V V V V V | | |
| Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 | 8:CNT RST > 0 24:00 | Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 | 2:0N V 0 0 24:00 24:00 V V V V V V V V V V V V V | | |
| Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 3 | 8:CNT RST > 0 24:00 | Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 | 2:0N V 0 0 24:00 24:00 V V V V V V V V V V V V V | | |



6-8 DI/DO 對應觸發(由管理者管制每個 DO 是否啟用)

條件:八組紅外線設備邊緣觸發 X₀-X₇ 點位,輸出對應 Y₀-Y₇ 警報器,現場人員可手動管制每個紅外線觸發後,是否啟用對應警報器。

方法:將各點位輸出模式調整為 ON,條件滿足觸發時,啟動輸出警報器,條件內容 為邊緣觸發下,虛擬點位 M₈ 必須為開啟狀態,才會觸發對應警報器。虛擬點位 M₈ 可由 701ClientSQL 圖控觸發,或是自行開發第三方軟體,以 Modbus 觸發。

| | dule Setting | | | | | |
|--|--|--|--|---|--|--|
| 0 | r I | 1 | 2 | | 3 | |
| Item | Value | Item Value | Item | Value | Item | Value |
| Schedule | << 0 Go to >> i | Schedule << 1 Go | to >> Schedule | << 2 Go to >> | Schedule | < 3 Go to >> |
| Mode | 2:0N ~ | Mode 2:0N V | Mode | 2:ON ~ | Mode | 2:ON V |
| Out # | 0 | Out # 0 | Out # | 0 | i Out # | 0 |
| Clicks | 0 | Clicks 0 | Clicks | 0 | Clicks | 0 |
| Fast Click | | East Click | Fast Click | | Fast Click | |
| Action Time | 24:00 | Action | Action | | Action | 24:00 |
| Holiday | | Time | Time | 24:00 | Time | |
| Sun | | Holiday 🗹 | Holiday | | Holiday | |
| Mon | | Sun 🗹 | Sun | | Sun | |
| Tue | | Mon 🗹 | Mon | | Mon | |
| Wed | | Tue 🗹 | Tue | | Tue | |
| Thu | | Wed 🗹 | Wed | | Thu | |
| Fri | | Thu 🗹 | I Thu | | Fri | |
| Sat | | Fri 🗹 | Fri | | FII Sot | |
| Join 1 | &Do :# 8 | Sat 🗹 | Sat | | | 8Do :#11 |
| Join 2 | :# 0 | Join 1 & Do :#9 | Join 1 | &Do :# 10 | | .#11 |
| Join 3 | :#0 | Join 2 :#0 | Join 2 | :#[0 | | |
| Join 4 | ^.Di :#0 i | Join 3 :#0 | Join 3 | :# 0 | Join 3 | :#0 |
| | Update | Join 4 ^.Di :# 1 | Join 4 | ^.Di :# 2 | Join 4 | ^.Di :#3 |
| | | | 1 | | i | Update |
| | | | non as an an ar an an an an an | Update | 1 | |
| 4 Item | Value | 5 Item Value | l 6 | Value | 7 Item | Value |
| 4 Item Schedule | Value << 4 Go to >> | 5 Item Value Schedule << 5 G | io to >> Chedule | Value < | 7 Item Schedule | Value << [7] Go to [>>] |
| 4 Item Schedule Mode | Value << 4 Go to >> 2:0N v | 5 Item Value Schedule << 5 G Mode 2:0N ~ | io to >> Exceedule Mode | Value < | Item Schedule Mode | Value < |
| 4 Item Schedule Mode Out # | Value << 4 Go to >> 2:ON v 0 | 5 Item Value Schedule << 5 G Mode 2:0N ~ Out # 0 | io to >> Exchedule Mode Out # | Value < | Item Schedule Mode Out # | Value << 7 Go to >> 2:0N v 0 |
| 4 Item Schedule Mode Out # Clicks | Value << 4 Go to >> 2:ON v 0 0 | Jtem Value Schedule < | io to >> Check Control | Value << | Item Schedule Mode Out # Clicks | Value (7 Go to >>) (2:0N ~) (0 0 |
| 4 Item Schedule Mode Out # Clicks Fast Click | Value << 4 Go to >> 2:0N v 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Item Value Schedule < | io to >> Clicks Clicks Fast Click | Value < | 7 Item Schedule Mode Out # Clicks Fast Click | Value <(7 Go to >> 2:0N > 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time | Value << 4 Go to >> 2:ON v 0 0 24:00 | 5 Item Value Schedule << 5 G Mode 2:0N ~ Out # 0 Clicks 0 Fast Click Action 24:00 Time | io to >> Clicks Fast Click Action Time | Value << 6 Go to >> 2:ON ~ 0 0 24:00 | Tem Schedule Mode Out # Clicks Fast Click Action Time | Value << |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday | Value << 4 Go to >> 2:ON ▼ 0 0 24:00 24:00 | Jtem Value Schedule << 5 | io to >> Exceedule Mode Out # Clicks Fast Click Action Time Holiday | Value << 6 Go to >> 2:ON ~ 0 0 24:00 | T Item Schedule Mode Out # Clicks Fast Click Action Time Holiday | Value < |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun | Value << 4 Go to >> 2:ON v 0 0 24:00 24:00 2 | 5 Item Value Schedule << 5 G Mode 2:0N ~ Out # 0 Clicks 0 Fast Click C Action 24:00 Time Holiday 2 Sun 2 | io to >> Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun | Value << 8 Go to >> 2:0N ∨ 0 0 24:00 2 2 2 2 2 2 2 3 2 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 | Total Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun | Value < |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon | Value << 4 Go to >> 2:ON v 0 0 24:00 24:00 2 | Jtem Value Schedule < | io to >> Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon | Value << 6 Go to >> 2:0N ∨ 0 0 24:00 24:00 2 | Titem Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon | Value (< 7 Go to >> () Go () >> () Go () () () () () () () () () () () () () |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue | Value << | Jtem Value Schedule < | io to >> Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue | Value << 6 Go to >> 2:0N ▼ 0 0 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Titem Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue | Value << |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed | Value < | Jtem Value Schedule << 5 | io to >> Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed | Value << 6 Go to >> 2:0N ▼ 0 0 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed | Value << |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu | Value << | Jtem Value Schedule << 5 | io to >> Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu | Value << 6 Go to >> 2:0N ▼ 0 0 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu | Value << |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri | Value < | 5 Item Value Schedule << 5 G Mode 2:ON ✓ Out # 0 Clicks 0 Fast Click Action Time 24:00 Holiday 2 Sun 2 Mon 2 Tue 2 Wed 2 Thu 2 Fri 2 | io to >> Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri | Value << 6 Go to >> 2:0N ∨ 0 0 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri | Value << 7 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat | Value < | 5 Item Value Schedule << 5 G Mode 2:0N ✓ Out # 0 Clicks 0 Fast Click 0 Fast Click 0 Action 24:00 Time Holiday 2 Sun 2 Mon 2 Tue 2 Wed 2 Thu 2 Fri 2 Sat 2 | io to >> | Value << 6 Go to >> 2:0N ▼ 0 0 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat | Value < |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 | Value < | Jtem Value Schedule << 5 | io to >> Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 | Value << 8 Go to >> 2:0N ∨ 0 0 24:00 | Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 | Value < |
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| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 | Value << | Jitem Value Schedule << 5 | io to >> Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 | Value << 6 Go to >> 2:0N ∨ 0 0 24:00 | Thu Fast Click Clicks Fast Click Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 | Value < |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 4 | Value << | Jitem Value Schedule << 5 | io to >> Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 4 | Value << 6 Go to >> 2:0N ∨ 0 0 24:00 | Thu Fri Sat Join 1 Join 2 Join 4 | Value << |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 4 | Value << | Jtem Value Schedule << 5 | io to >> Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 4 | Value << 6 Go to >> 2:0N ∨ 0 24:00 24: | Titem Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 4 | Value << |



SOYAL Operation Manual Programmable Logic Controller (PLC)

6. 實際範例

應用架構:



圖控設定畫面:

- 上排:管理者手動開關(M₈~M₁₅)
- 中排: 紅外線輸入點 (X₀~X7)
- 下排:輸出點 (Y₀~Y₇)

管理者於 701ClientSQL 手動開啟 M₁₂~M₁₅ 虛擬輸出點,此時 X₂ & X₃ & X₆ & X₇ 紅外線觸發,對應的 Y₆ & Y₇ 正常觸發警報; Y₂ & Y₃ 則沒有觸發輸出。



更多相關資訊:

701ClientSQL 圖控説明書

6-9 跑馬燈燈號

條件:

使 $Y_0 \sim Y_6$ 連輪流續觸發,最終呈現跑馬燈的觸發效果,啟用時間為每日 13:01 至隔日 12:59,中午 12:00~13:00 停止運作。

說明:

Index 000: 固定每日 13:00 觸發 Y7

Index 001: 固定每日 12:00 關閉 Y7

Index 002: 設定 Timer 000,開始條件為 Y₇ ON;TMR < 11 代表此 Timer 會在 0~11 循環 ※ 此範例 Timer 單位為 0.1 秒,故勾選 Fast Click

Index 003~ Index 009: 設定 Y₀~Y₀ 的觸發條件, 時間介於 **Timer 000** 的某各區段之間時, 會執行 ON 的動作

此範例應用:

Action Time / Timer / Fast Click / ON / OFF

| Schedule Setting | | | |
|------------------------|------------------------|------------------------|------------------------|
| 0 | 1 | 2 | 3 |
| | Item Value | Itom Value | Item Value |
| Item Value | | Sebedule (Cote) | Schedule CC 3 Colo 22 |
| Schedule << 0 Go to >> | Mode 1:OFF | Modo GIMER V | Mode 2:0N |
| Mode 2:0N V | | | |
| Out # 7 | | Out # 0 | Out# |
| Clicks 0 | Clicks | Clicks 0 | Clicks 0 |
| Fast Click | Fast Click | Fast Click | Fast Click |
| Action Time 13:00 | Action Time 12:00 | Action Time 24:00 | Action Time 24:00 |
| Holiday 🗹 | Holiday 🗹 | Holiday 🗹 | i Holiday 🗹 |
| Sun 🗹 | Sun 🗹 | Sun 🗹 | Sun 🔽 |
| Mon 🗹 | Mon 🛛 | Mon 🗹 | Mon 🗹 |
| Tue 🗹 | Tue 🗹 | Tue 🔽 | Tue 🗹 |
| Wed 🗹 | Wed 🗹 | Wed | Wed 🗹 |
| Thu 🗹 | Thu 🛛 | Thu 🗹 | Thu 🗹 |
| Fri 🖸 | Fri 🗹 | Fri 🗹 | Fri 🗹 |
| Sat 🗹 | Sat 🗹 | Sat 🗹 | Sat 🗹 |
| Join 1 :#0 | | loin 1 & RDo +#7 | Join 1 TMR :#0 |
| Join 2 :# 0 | | | Join 2 MORE :#0 |
| Join 3 :#0 | JOIN 2#0 | | loin 3 TMR #0 |
| Join 4 | Join 3 #0 | Join 3 IMR #0 | |
| | Join 4 :#0 | Join 4 LESS # 11 | JOIN 4 LESS .#4 |
| Update | Update | Update | Update |
| | | | |
| 1 | 5 | 6 | 7 |
| | 5 | U | |
| Item Value | I Item Value | Item Value | Item Value |
| Schedule << 4 Go to >> | Schedule SS 5 Coto | Schedule << 6 Go to >> | Schedule << 7 Go to >> |
| Mode 2:0N V | Made 200 | Mode 2:0N V | Mode 2:0N V |
| Out# 1 | | Out # 3 | . Out # 4 |
| | Out # 2 | Clicks | L Clicks |
| | Clicks | East Click | East Click |
| | Fast Click | Action Time 24:00 | Action Time 24:00 |
| Action Time 24:00 | Action Time 24:00 | Holiday | |
| Holiday 🗹 | Holiday 🗹 | | |
| Sun 🗹 | Sun 🗹 | | I Mar |
| Mon 🗹 | Mon 🗹 | | Mon 🗹 |
| Tue 🗹 | Tue 🔽 | Tue 🗹 | Tue |
| Wed 🗹 | Wed 🔽 | | Wed |
| Thu 🛛 | Thu 🔽 | inu 🗹 | Thu 🗹 |
| Fri 🛛 | Fri 🗹 | Fri 🗹 | Fri 🗹 |
| Sat 🗹 | Sat 🛛 | Sat 🗹 | Sat 🛛 |
| Join 1 TMR :#0 | Loip 1 TMP :#0 | Join 1 TMR # 0 | Join 1 TMR :#0 |
| Join 2 MORE #1 | | Join 2 MORE #3 | Join 2 MORE :#4 |
| Join 3 TMB #0 | JOIN 2 MORE .#2 | Join 3 TMR :# 0 | Join 3 TMR :#0 |
| | Join 3 IMR #0 | Join 4 LESS # 7 | Join 4 LESS :#8 |
| JUII 4 | Join 4 LESS :# 6 | Update | |
| Update | Update | | Update |
| | | | |
| | | 1 | |
| 8 | 9 | a 20 | |
| Mana Malua | 1 Martin | 1 | |
| Cohodula | | | |
| Schedule << 8 Go to >> | Schedule << 9 Go to >> | 1 | 1 |
| Mode 2:0N V | Mode 2:0N V | 1 | |
| Out # 5 | Out # 6 | 1 | |
| Clicks 0 | Clicks 0 | 1 | |
| Fast Click | Fast Click | | |
| Action Time 24:00 | Action Time 24:00 | I | |
| Holiday 🗹 | Holiday 🗹 | 1 | |
| Sun 🗹 | Sun 🗹 | 1 | |
| Mon 🗹 | Mon 🗹 | 1 | |
| Tue 🗹 | Tue 🗹 | 1 | |
| Wed 🗹 | Wed | | |
| Thu 🗹 | Thu 🗹 | 1 | |
| Fri 🛛 | Fri 🗹 | | |
| Sat 🛛 | Sat 🗹 | | |
| | | l. | 1 |
| | | 1 | |
| JOIN Z MORE :#5 | | 1 | |
| Join 3 TMR #0 | Join 3 | - I | i l |
| Join 4 LESS :#9 | Join 4 LESS :# 10 | 1 | 1 |
| Update | Update | I | |
| | | I | 1 |
| | E | E | |



6-10 四門互控

當其中一扇門開啟時,其他三扇門無法解鎖開門,直到該門關閉為止。

說明:

- 當 B 門 / C 門 / D 門的門位磁簧 DIX₃ / DIX₅ / DIX₇ 跟電鎖繼電器 DOY₂ / DOY₄ / DOY₆ 都閉合的時候,按下 A 門的開門按鈕 DIX₀,可觸發 A 門的電鎖繼電器 DOY₀ 開啟 6 秒
- 2. 當火警輸入點 DIX₁₆ 觸發, A 門 / B 門 / C 門 / D 門的電鎖繼電器都可被開啟;
- 3. 當 A 門的門位磁簧 DIX1 關閉, A 門的電鎖繼電器可自動上鎖
- 4. 當 A 門的門位磁簧 DIX₁ 被強迫打開且 A 門的電鎖繼電器 DOY₀ 是關閉的情況下, A 門 的警報器 DOY₁ 會被開啟
- 5. 當 A 門的門位磁簧 DIX₁ 開啟時,觸發計時器 TMR0 計時,當 TMR0 大於 8 秒,觸發開 門延時警報 DOY₁
- 6. 當 A 門的門位磁簧 DIX₁ 關閉,可停止警報器 DOY₁



| IO Sch | edule | |
|--------|-------|--|
|--------|-------|--|

| Index | Mode | 0 | Dulas | 0.1 | Cur | Man | Tue | Mod | The | Eri | Sat | Holiday | hhimm | Join 1 | Join 2 | Join 2 | loin 4 |
|-------|-------|-----|-------|----------|--------|--------|--------|--------|--------|----------|----------|---------|--------------------|----------|----------|--------------------|----------|
| nuex | ON | 000 | Fuise | 0.1 | v | | v | ved | V | TTT V | odi v | v | 24.00 | 8 Di:002 | 8 Di-005 | 3011 3 8 Di:007 | 30in 4 |
| 000 | ON | 800 | | - | r | Y | Y | Y | Y | Y | Y | Y | 24:00 | &DI:003 | &DI:005 | &DI:007 | :000 |
| 001 | ON | 009 | | - | Y | Y | Ŷ | Y | Y | Y | Y | Y | 24:00 | &DON:002 | &DON:004 | &DON:006 | :000 |
| 002 | ON | 010 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | &Di:001 | &DI:005 | &Di:007 | :000 |
| 003 | ON | 011 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | &DoN:000 | &DoN:004 | &DoN:006 | :000 |
| 004 | ON | 012 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | &Di:001 | &Di:003 | &Di:007 | :000 |
| 005 | ON | 013 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | &DoN:000 | &DoN:002 | &DoN:006 | :000 |
| 006 | ON | 014 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | &Di:001 | &Di:003 | &Di:005 | :000 |
| 007 | ON | 015 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | &DoN:000 | &DoN:002 | &DoN:004 | :000 |
| 800 | Pulse | 024 | 6 | - | Υ | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | &Do:008 | &Do:009 | ^^Di:000 |
| 009 | Pulse | 025 | 6 | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | &Do:010 | &Do:011 | ^^Di:002 |
| 010 | Pulse | 026 | 6 | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | &Do:012 | &Do:013 | ^^Di:004 |
| 011 | Pulse | 027 | 6 | | Y | Y | Y | Y | Y | Y | Y | Y | 24.00 | :000 | &Do:014 | &Do:015 | ^^Di:006 |
| 012 | ON | 030 | | _ | v | v | v | v | v | v | v | v. | 24.00 | :000 | | &DoN:000 | ^ Di:001 |
| 012 | ON | 033 | | _ | v | v | v | v | v | v | v | v | 24.00 | :000 | :000 | 8 DoN:002 | A Di-002 |
| 013 | ON | 000 | | | V | I V | , , | I V | I V | I V | Y Y | I V | 24.00 | 000 | 000 | 8DeN:002 | A Di-005 |
| 014 | ON | 036 | | - | Y | Y | Y | r | Y | Y | Y | r | 24:00 | :000 | :000 | &DON:004 | A.DI:005 |
| 015 | ON | 039 | | | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | &DON:006 | ^.DI:007 |
| 016 | ON | 000 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | Do:024 | Di:016 |
| 017 | OFF | 024 | | . | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:001 |
| 018 | ON | 002 | | - | Υ | Υ | Y | Y | Y | Y | Y | Y | <mark>24:00</mark> | :000 | :000 | Do:025 | Di:016 |
| 019 | OFF | 025 | | = | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:003 |
| 020 | ON | 004 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | Do:026 | Di:016 |
| 021 | OFF | 026 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:005 |
| 022 | ON | 006 | | | v | v | v | V | v | v | V | v | 24.00 | .000 | :000 | IDo:027 | |
| 022 | OFF | 000 | | - | v | V | v | V | V | v | v | V | 24.00 | 000 | 000 | .000 | |
| 023 | OFF | 027 | | - | r V | Y | r | Y | Y | Y | r | Ĭ. | 24:00 | :000 | :000 | :000 | MDI:007 |
| 024 | OFF | 001 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | AADI:001 |
| 025 | OFF | 003 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:003 |
| 026 | OFF | 005 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:005 |
| 027 | OFF | 007 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:007 |
| 028 | ON | 028 | | - | Y | Υ | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^.Di:001 |
| 029 | Timer | 000 | 183 | - | Y | Υ | Y | Y | Y | Y | Υ | Y | 24:00 | :000 | :000 | :000 | &Do:028 |
| 030 | ON | 029 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | TMR:000 | MORE:008 |
| 031 | ON | 001 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | Do:029 | Do:030 |
| 032 | OFF | 028 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24.00 | 000 | :000 | :000 | ^^D:001 |
| 033 | OFF | 030 | | 2 | v | v | v | v | v | v | v | Y | 24.00 | :000 | :000 | :000 | AADi:001 |
| 034 | ON | 031 | | | v | v | v | v | v | v | V | × | 24.00 | :000 | :000 | :000 | A Di:003 |
| 0.04 | Timor | 001 | 205 | | V | V | 1 V | V | 1 V | V | V | 1 M | 24.00 | 000 | 000 | 000 | 8 De:021 |
| 035 | ON | 001 | 205 | | I V | T | T | T | T | T | T | T | 24.00 | 000 | 000 | 000 | AD0.031 |
| 036 | ON | 032 | | - | Y | Ŷ | Ŷ | Y | Y | Y | Y | Ŷ | 24:00 | :000 | :000 | TMR:001 | MORE:008 |
| 037 | ON | 003 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | Do:032 | Do:033 |
| 038 | OFF | 031 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:003 |
| 039 | OFF | 033 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:003 |
| 040 | ON | 034 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^.Di:005 |
| 041 | Timer | 002 | 202 | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | &Do:034 |
| 042 | ON | 035 | | - | V | Y | Y | Y | v | v | v | Y | 24.00 | | | TMR:002 | MORE |
| 042 | ON | 005 | | - | V | v | v | v | Y | v | V | v | 24.00 | 000 | .000 | IDo:02E | IDo:026 |
| 043 | | 000 | | - | T V | T | T | T V | T | T | T | T V | 24:00 | 000 | 000 | .000 | 100.030 |
| 044 | UFF | 034 | | -0 | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^DI:005 |
| 045 | OFF | 036 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:005 |
| 046 | ON | 037 | | - | Y | Υ | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^.Di:007 |
| 047 | Timer | 003 | 14 | - | Y | Υ | Υ | Y | Υ | Υ | Y | Y | 24:00 | :000 | :000 | :000 | &Do:037 |
| 048 | ON | 038 | | -0 | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | TMR:003 | MORE:008 |
| 049 | ON | 007 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | Do:038 | Do:039 |
| 050 | OFF | 037 | | _ | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^^Di:007 |
| 051 | OFF | 039 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24.00 | 000 | 000 | :000 | ^^Di:007 |
| 050 | 055 | 000 | | | | | | | | | | | 21.00 | | | | AAD' 001 |
| 052 | OFF | 029 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:0 | 000::000 | :000 | :000 | ^^Di:001 |
| 053 | OFF | 032 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:0 | 0:000 | :000 | :000 | ^^Di:003 |
| 054 | OFF | 035 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:0 | 0:000 | :000 | :000 | ^^Di:005 |
| 055 | OFF | 038 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:0 | 0:000 | :000 | :000 | ^^Di:007 |
| 056 | OFF | 000 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:0 | 0:000 | :000 | :000 | ^.Di:016 |
| 057 | OFF | 002 | | _ | Ý | Ŷ | v | v | v | v | v | v | 24.0 | 0 000 | | | ^ Di-016 |
| 059 | OFF | 004 | | - | V | V | V | V | V | T V | T V | V | 24.0 | 0 .000 | .000 | 000 | A Di-010 |
| 000 | OFF | 004 | | - | Y | r | Y | T | ľ | Y | Y | T V | 24:0 | 000 | :000 | :000 | A DI 016 |
| unu | UFF | 006 | | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:0 | 000: 000 | :000 | :000 | ^.DI:016 |

6-11 TIMER 使用方式[,]設備定時觸發

此範例現場需設置兩組定時輸出,配合 24 小時制全年度啟用。

條件:

- a. 每分鐘需執行 Pulse 輸出 10 秒。
- b. 每日午夜 18:00 需執行 Cycle 輸出, ON 0.3 秒 > OFF 0.3 秒 > ON 0.3 秒 > OFF 0.3 秒 > ···,此循環執行 30 分鐘。

設定解釋:

- Index 063(秒) Timer:
 設定計時 60 秒,條件 TMR:000 LESS:060 代表第 000 組的計時器 Timer 在 0~60 秒之間循環。
- Index 061(分) CNT Inc(Out# 001):
 設定計時分鐘,條件 TMR:000 EQUA:060 代表第 000 組的計時器計數到 60 秒的時候, CNT Inc (Out# 001) 第 001 組的計數器會 +1,此時 +1 代表 1 分鐘。
- Index 062 CNT Rst(Out# 001):
 設定重置 reset 分鐘,條件 CNT:001 MORE:059,代表 CNT 第 001 組只要大於 059 就會 RESET 為 0。
- Index 059(小時) CNT Inc(Out# 002):
 設定計時小時,條件 CNT:001 EQUA:060 代表第 001 組的計數器計數到 60 分的時候, CNT Inc (Out# 002) 第 002 組的計數器會 +1,此時 +1 代表 1 小時。
- Index 060 CNT Rst(Out# 002):
 設定重置 reset 小時,條件 CNT:002 EQUA:024,代表 CNT 第 002 組只要等於 24 就會 RESET 為 0。
- Index 058 (Pulse 007):
 設定每分鐘輸出 10 秒,條件為 TIMER 第 000 組等於 0;此時 Timer 在 0~60 的
 範圍內循環,因此每分鐘開始時會導通 10 秒。
- Index 056/57 (Cycle 006):
 設定每日晚上 18:00 觸發循環輸出,以 0.3 秒為單位 on/off,持續至晚上 18:30。

| | dure octuning | | | | | | |
|---|---|--|---|---|---|---|--|
| 0 | | 1 | | 2 | i | 3 | |
| Item | Value | Item | Value | Item | Value | Item | Value |
| Schedule | << 56 Go to >> | Schedule | << 57 Go to >> | Schedule | < 58 Go to >> 1 | Schedule | << 59 Go to >> |
| Mode | 4:Cycle V | Mode | 1:OFF V | Mode | 3:Pulse V | Mode | 7:CNT Inc 🗸 |
| Out # | 6 | Out # | 6 | Out # | 7 | Out # | 2 |
| Clicks | 003:003 | Clicks | 0 | Clicks | 10 | Clicks | 0 |
| Fast Click | | Fast Click | | Fast Click | | Fast Click | |
| Action Time | 18:00 | Action Time | 18:30 | Action Time | 24:00 | Action Time | 24:00 |
| Holiday | | Holiday | | Holiday | | Holiday | |
| Sun | | Sun | | Sun | | Sun | |
| Mon | | Mon | | Mon | | Mon | |
| Tue | | Tue | | Tue | | Tue | |
| Wed | | Wed | | Wed | | Wed | |
| Thu | | Thu | | Thu | ✓ | Thu | |
| Fri | | Fri | | Fri | | Fri | |
| Sat | | Sat | | Sat | | Sat | |
| Join 1 | :#0 | Join 1 | :#0 | Join 1 | TMR :#0 | Join 1 | CNI :#1 |
| Join 2 | :#0 | Join 2 | :#0 | Join 2 | EQUA :#0 | Join 2 | EQUA :# 60 |
| Join 3 | :# 0 | Join 3 | :# 0 | Join 3 | :# 0 | Join 3 | :# 0 |
| Join 4 | :#0 | Join 4 | :# 0 | Join 4 | :#0 | Join 4 | :# 0 |
| | Undate | | Update | 1 | Update | | Update |
| | | | | | | | |
| | | | | | | a loss had been been been | |
| 4 | I | 5 | | 6 | | 7 | |
| 4 Item | Value | 5 Item | Value | 6 Item | Value | 7 Item | Value |
| 4 Item Schedule | Value | 5 Item Schedule | Value | 6 Item Schedule | Value << 62 Go to >> | 7 Item Schedule | Value << 63 Go to >> |
| 4 Item Schedule Mode | Value << 60 Go to >> 6:CNT RST ~ | 5 Item Schedule Mode | Value < | 6 Item Schedule Mode | Value << 62 Go to >> 8:CNT RST > | 7 Item Schedule Mode | Value < |
| 4 Item Schedule Mode Out # | Value << 60 Go to >> 8:CNT RST v 2 | 5 Item Schedule Mode Out # | Value << 61 Go to >> 7:CNT Inc > 1 | 6 Item Schedule Mode Out # | Value << 62 Go to >> 8:CNT RST > 1 | 7 Item Schedule Mode Out # | Value < |
| 4 Item Schedule Mode Out # Clicks | Value << 60 Go to >> 8:CNT RST v 2 0 1 | 5 Item Schedule Mode Out # Clicks | Value << 61 Go to >> 7:CNT Inc > 1 0 | 6 Item Schedule Mode Out # Clicks | Value << 62 Go to >> 8:CNT RST > 1 0 | 7 Item Schedule Mode Out # Clicks | Value < |
| 4 Item Schedule Mode Out # Clicks Fast Click | Value << 60 Go to >> 8:CNT RST 2 0 1 | 5 Item Schedule Mode Out # Clicks Fast Click | Value << 61 Go to >> 7:CNT Inc > 1 0 | 6 Item Schedule Mode Out # Clicks Fast Click | Value << 62 Go to >> 8:CNT RST > 1 0 | 7 Item Schedule Mode Out # Clicks Fast Click | Value (63 Go to >> (6:TIMER * 0 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time | Value << 60 Go to >> 8:CNT RST v 2 0 1 24:00 | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim | Value << 61 Go to >> 7:CNT Inc <> 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time | Value << 62 Go to >> 8:CNT RST > 1 0 24:00 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time | Value (63) Go to >> (6:TIMER v) 0 0 24:00 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday | Value << 60 Go to >> 8:CNT RST v 2 0 1 24:00 24:00 | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim Holidav | Value <. 61 Go to >> 7:CNT Inc v 1 0 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday | Value 62 Go to >> 8:CNT RST > 1 0 24:00 24 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday | Value (63) Go to >> (6:TIMER *) 0 0 24:00 2 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun | Value << 60 Go to >> 8:CNT RST v 2 0 1 24:00 24:00 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim Holiday Sun | Value (<) 61 Go to >> 7:CNT Inc 1 0 1 1 1 24:00 2 2 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Hollday Sun | Value 62 Go to >> 8:CNT RST > 1 0 24:00 24 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun | Value (63) Go to >> (6:TIMER *) 0 0 24:00 2 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon | Value << 60 Go to >> 8:CNT RST ~ 2 0 2 24:00 2 24:00 2 2 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim Holiday Sun Mon | Value << 61 Go to >> 7:CNT Inc v 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Hollday Sun Mon | Value 62 Go to >> 8:CNT RST > 1 0 24:00 24 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon | Value (63) Go to >> (6:TIMER *) 0 0 24:00 2 2 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue | Value < | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim Holiday Sun Mon Tue | Value << 61 Go to >> 7:CNT Inc v 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Hollday Sun Mon Tue Word | Value 62 Go to >> 8:CNT RST > 1 0 24:00 24 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue | Value (63) Go to >> (6:TIMER v) 0 0 0 24:00 2 2 2 2 3 3 4 4 5 5 6 7 7 7 8 7 8 7 8 8 9 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed | Value << 60 Go to >> 8:CNT RST ~ 2 0 2 2 424:00 2 2 2 4:CNT 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim Holiday Sun Mon Tue Wed | Value << 61 Go to >> 7:CNT Inc 1 0 24:00 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu | Value 62 Go to >> 8:CNT RST > 1 0 24:00 2 2 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed | Value (63) Go to >> (6:TIMER *) 0 0 0 24:00 2 2 2 2 2 2 2 2 2 3 4 5 4 5 5 7 7 7 8 7 8 7 8 8 9 10 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu | Value << 60 Go to >> 8:CNT RST ~ 2 0 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim Holiday Sun Mon Tue Wed Thu | Value << 61 Go to >> 7:CNT Inc 1 0 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Eri | Value 62 Go to >> 8:CNT RST > 1 0 24:00 2 2 2 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu | Value << 63 Go to >> 6:TIMER v 0 0 24:00 2 4:00 2 2 4:0 2 2 2 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri | Value << 60 | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim Holiday Sun Mon Tue Wed Thu Fri | Value << 61 Go to >> 7:CNT Inc > 1 0 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Hollday Sun Mon Tue Wed Thu Fri Sat | Value 62 Go to >> 8:CNT RST > 1 0 24:00 2 3 4 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri | Value << 63 Go to >> 6:TIMER > 0 0 0 0 0 24:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat | Value << 60 Go to >> 8:CNT RST ~ 2 0 0 2 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim Holiday Sun Mon Tue Wed Thu Fri Sat | Value << 61 Go to >> 7:CNT inc v 1 0 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Ioin 1 | Value <62 Go to >> 6:CNT RST > 1 0 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat | Value (63 Go to >>) (6:TIMER v) 0 0 0 24:00 2 2 2 2 2 2 2 2 2 3 4 4 5 4 5 5 5 6 7 7 8 7 8 10 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 | Value << 60 Go to >> 8:CNT RST ~ 2 0 0 2 2 0 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 | 5 Item Schedule Mode Out # Clicks Fast Click Action Tim Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 | Value Contraction (Contraction) 7:CNT inc v 1 0 24:00 2 2 2 2 2 2 7 Mathematical Structure (Contraction) 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1< | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Ioin 2 | Value <62 Go to >> 6:CNT RST > 1 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 4 5 6 7 7 7 8 7 8 9 9 9 9 10 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 | Value (63) Go to >> (6:TIMER * 0 0 0 24:00 2 2 2 2 2 2 2 2 3 4 5 5 7 7 7 8 7 8 10 |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 | Value << 60 Go to >> 8:CNT RST → 2 0 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 | 5 Item Schedule Mode Out # Clicks Fast Click Fast Click Action Tim Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 | Value Contraction (Contraction) 7:CNT inc v 1 0 c 24:00 2 2 2 2 2 2 2 2 3 7 TMR #0 EQUA #60 | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Iaia 2 | Value (< 62 Go to >> 8:CNT RST > 1 0 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 4 5 5 5 5 6 7 7 7 8 7 8 7 8 9 </td <td>7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2</td> <td>Value <</td> 63 Go to >> 6:TIMER ▼ > 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< td=""></t<> | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 | Value < |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 | Value << 60 Go to >> 8:CNT RST → 2 0 0 0 2 2 0 0 1 2 0 1 2 0 1 2 1 2 1 2 1 2 1 1 2 1 2 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 | 5 Item Schedule Mode Out # Clicks Fast Click Fast Click Action Tim Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 | Value < | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 3 | Value < 62 Go to >> 8:CNT RST > 1 0 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 4 59 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 | Value < |
| 4 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 4 | Value << 60 | 5 Item Schedule Mode Out # Clicks Fast Click Fast Click Action Tim Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 4 | Value << | 6 Item Schedule Mode Out # Clicks Fast Click Action Time Hollday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 4 | Value << 62 Go to >> 8:CNT RST > 1 0 24:00 24:00 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 4 5 5 6 6 7 7 7 8 7 9 10 11 10 10 10 11 11 11 11 12 12 14 14 15 14 16 16 17 17 17 18 18 19 10 | 7 Item Schedule Mode Out # Clicks Fast Click Action Time Holiday Sun Mon Tue Wed Thu Fri Sat Join 1 Join 2 Join 3 Join 4 | Value < |



7. 邏輯控制編程存檔與載入

7-1 編程檔案匯出

| \\xs13Crm\\SP\AR727CM_\\\/3_A\ | | #4) | Load E/M | Undate Device |
|---|-------------------|---------------------|------------------|------------------|
| | V0304 0100 230023 | | | Opdate Device |
| ont | | | Load Font | Update Font |
| age | | | Load Image | Jpdate Image |
| hedule PLC Node01 跑馬燈.S401 | | Load File Save File | e Read Controlle | Write Controller |
| 7CM-IO Test 00 13 57 01 02 | 03 MAC/RTC Sub IP | Range 171 1 | 71 Scan | Exit |
| he Path hernet IP 192.168.1.171 Port 160 | 01 Node 1 | | | |
| erial Node (COM) 1 COM1 | | | | |
| | | | | |
| 15200 ● 57600 ○ 38400 ○ 19200 (| 9600 () 4800 | | | |
| t Device | | | | |
| 7iV2 | -2 | | | |
| 7iV3 - Serial Server/TCP to Wiegand (V3) | 15,16,275,155 | | | |
| 1/321/401/721/723725/888 H-K-Uarm | 1EV5/637E/EF | | | |
| Ready ! | | | | |
| Ready ! | New IP | 192.168.1.130 | New Gateway | 192.168.1.254 |
| boot loader address is 192.168.1.128 (160 | 4) New Netmask | 255.255.255.0 | Change IP | Find (Broadcast) |
| | | | | |
| | 6 | | | |
| 檔案名稱(N): 運用計數器產生/ | ₩時計時器範例.S401 | | | |
| | | | | |

STEP 1: 填寫該設備 IP 位置 (port 維持預設 1601)

- STEP 2: 選擇設備選項【727iV3-Serial Server/TCP to Wiegand (V3)】
- STEP 3: 點擊 Read Controller 按鈕
- STEP 4: 訊息框內顯示【Read Ready】後即完成
- STEP 5: 點擊 Save File 按鈕
- STEP 6: 選擇要匯出編程檔案的路徑與編輯匯出檔案名稱
- **STEP 7**: 點擊存檔按鈕
- STEP 8: 匯出完成顯示【Save Ready】後即完成

7-2 編程檔案匯入



STEP 1: 填寫該設備 IP 位置 (port 維持預設 1601)

- STEP 2: 選擇設備選項【727iV3-Serial Server/TCP to Wiegand (V3)】
- STEP 3: 點擊 Read Controller 按鈕
- STEP 4: 訊息框內顯示【Read Ready】後即完成
- STEP 5: 點擊 Load File 按鈕
- STEP 6: 選擇要匯入的編程檔案
- STEP 7: 點擊開啟按鈕
- STEP 8: 點擊 Write Controller 按鈕執行檔案匯入
- STEP 9: 匯入完成顯示【Write Ready】後即完成

8. 參考文件

8-1 韌體更新



STEP 1: 建議可先於 Sub IP Range 確認控制器狀態,輸入 IP 位置後 按下 SCAN。

New IP

New Netmask

192.168.1.130

255.255.255.0

New Gateway

Change IP

STEP 2: 顯示【Scan Completed!】後即完成

Default boot loader address is 192.168.1.128 (1604)

STEP 3: 訊息框內顯示設備資訊,表示設備連線正常

192.168.1.254

Find (Broadcast)

8. 參考文件

•3. 韌體更新

| Firmware \xs13Crm\ISP\AR727CM_I\V3_AP\APX727i3_V0504 8i8o 230823 0x2BAB Load F/W Update Device LCD Font Load Font Update Patt Load Font Update Patt @ Co Schedule Load File Save File Read Co troller Write Con toller 727CM-IO Test 00 13 57 01 02 03 MAC/RTC Sub IP Range 171 171 Scar Exit Vite Con toller Vite Cont 00 13 57 01 02 03 MAC/RTC Sub IP Range 171 171 Scar Exit Vite Controller Wite Cont 1604 Node 1 Scar Exit Vite Controller Serial Node (COM) 1 COM1 Scar Scar Exit Vite Controller Select Device 727/V3 Serial Server/TCP to Wiegand (V3) 9 9 9 192.168.1.125 Vite Scar 192.168.1.25 101/321/401/721/723725/888 H-K-U -arm 192.168.1.130 New Gate vay 192.168.1.25 Pefault boot loader address is 192.168.1.128 (1604) New Netmask 255.2 | VET Adapter 192.168.1.21; f0-79-59-62-fa-23; (Realtek PCIe GE | E Family Controller #4) | | 6 |
|--|---|--|--|---|
| LCD Font Load Font Update Fat Ide Image Load Image Update Image IO Schedule Load File Save File Read Controller Write Concoller 727CM-IO Test 00 13 57 01 02 03 MAC/RTC Sub IP Range 171 171 Scar Exit Update Path 0 13 57 01 02 03 MAC/RTC Sub IP Range 171 171 Scar Exit Update Path 0 13 57 01 02 03 MAC/RTC Sub IP Range 171 171 Scar Exit Update Path 0 152.00 57600 38400 19200 9600 4800 Select Device 727/V2 72 | Firmware //\xs13Crm\ISP\AR727CM_I\V3_AP\APX727i3V | 0504 8i8o 230823 0x2BA | Load F/W | Update Device |
| Idle Image Load Image Update Image IO Schedule Load File Save File Read Controller Write Controller 727CM-IO Test 00 13 57 01 02 03 MAC/RTC Sub IP Range 171 171 Scar Exit Image Update Path 0 13 57 01 02 03 MAC/RTC Sub IP Range 171 171 Scar Exit Image | LCD Font | 1 | Load Font | Update Fast |
| IO Schedule Load File Save File Read Co troller Write Con coller 727CM-IO Test 00 13 57 01 02 03 MAC/RTC Sub IP Range 171 171 Scar Exit Image Image 171 171 Scar Scar Exit Image Image 171 171 Scar Scar Exit Image Image 171 171 Scar Scar Exit Image ImageImage< | Idle Image | | Load Image | Update Image |
| 727CM-IO Test 00 13 57 01 02 03 MAC/RTC Sub IP Range 171 171 Scar Exit Update Path 1 92.168.1.171 Port 1604 Node 1 Serial Node (COM) 1 COM1 COM1 Serial Node (COM) 1 COM1 Serial Port (COM) BAUD 115200 57600 38400 19200 9600 4800 Select Device 727IV2 2 2 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 101/321/401/721/723725/888 H-K-Uarm 192.168.1.130 New Gate vay 192.168.1.25 Default boot loader address is 192.168.1.128 (1604) New Netmask 255.255.0 Change P Find (Broad zast) | IO Schedule | Load File S | Save File Read Control | ler Write Controller |
| • Ethermet IP 192.168.1.171 Port 1604 Node 1 Serial Node (COM) 1 COM1 Serial Port (COM) BAUD 115200 • 57600 38400 19200 9600 4800 Select Device 727iV2 • 727iV2 • 727iV3 Serial Server/TCP to Wiegand (V3) 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 101/321/401/721/723725/888 H-K-U arm S2E-Device(192.168.001.171): Firmware Update is Completed ! New IP 192.168.1.130 New Gate vay 192.168.1.25 Default boot loader address is 192.168.1.128 (1604) New Netmask 255.255.255.0 Change P Find (Broad cast) | 727CM-IO Test 00 13 57 01 02 03 MAC/R Update Path | TC Sub IP Range 171 | ~ 171 Scar | Exit |
| ○ Serial Node (COM) 1 COM1 Serial Port (COM) BAUD 115200 57600 38400 19200 9600 4800 Select Device 727/V2 2 2 727/V2 2 2 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 101/321/401/721/723725/888 H-K-Uarm 92.168.1.125 New IP 192.168.1.130 New Gate vay 192.168.1.25 Default boot loader address is 192.168.1.128 (1604) New Netmask 255.255.255.0 Change P Find (Broad cast) | Ethernet IP 192.168.1.171 Port 1604 Node 1 | | | |
| Serial Port (COM) BAUD 115200 • 57600 38400 19200 9600 4800 Select Device 727/V2 • 727/V3 - Serial Server/TCP to Wiegand (V3) 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! New IP 192.168.1.130 New Gate vay 192.168.1.25 Default boot loader address is 192.168.1.128 (1604) New Netmask | O Serial Node (COM) 1 COM1 | × | | |
| 115200 ● 57600 38400 19200 9600 4800 Select Device 727/V2 ● 727/V3 - Serial Server/TCP to Wiegand (V3) 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! New IP 192.168.1.130 New Gate vay 192.168.1.25 Default boot loader address is 192.168.1.128 (1604) New Netmask | Serial Port (COM) BAUD | | | |
| Select Device 727iV2 • 727iV3 - Serial Server/TCP to Wiegand (V3) • 727iV3 - Serial Server/TCP to Wiegand (V3) • 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF • 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! • 192.168.1.130 New Gate vay 192.168.1.254 Default boot loader address is 192.168.1.128 (1604) New Netmask 255.255.255.0 Change P Find (Broad cast) | ○115200 ●57600 ○38400 ○19200 ○9600 ○4800 | | | |
| 727iV2 • 727iV2 • 727iV3 - Serial Server/TCP to Wiegand (V3) • 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF • 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! New IP 192.168.1.130 New Gate way 192.168.1.25 Default boot loader address is 192.168.1.128 (1604) New Netmask Find (Broad cast) | Select Device | | | |
| •• 727iV3 - Serial Server/TCP to Wiegand (V3) •• 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF •• 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! •• New IP 192.168.1.130 New IP 192.168.1.128 (1604) | | | | |
| 0 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 0 101/321/401/721/723725/888 H-K-U S2E-Device(192.168.001.171): Firmware Update is Completed ! New IP 192.168.1.130 New Gate vay 192.168.1.254 Default boot loader address is 192.168.1.128 (1604) New Netmask 255.255.255.0 Change P Find (Broad cast) | ○ 727iV2 2 | | | |
| S2E-Device(192.168.001.171): Firmware Update is Completed ! New IP 192.168.1.130 New Gate way 192.168.1.254 Default boot loader address is 192.168.1.128 (1604) New Netmask 255.255.255.0 Change P Find (Broadcast) | ○ 727iV2 ● 727iV3 - Serial Server/TCP to Wiegand (V3) | | | |
| S2E-Device(192.168.001.171): Firmware Update is Completed ! New IP 192.168.1.130 New Gate vay 192.168.1.254 Default boot loader address is 192.168.1.128 (1604) New Netmask 255.255.255.0 Change P Find (Broadcast) | 727iV2 727iV3 - Serial Server/TCP to Wiegand (V3) 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF | | | |
| Default boot loader address is 192.168.1.128 (1604) New Netmask 255.255.255.0 Change P Find (Broad cast) | 727iV2 727iV3 - Serial Server/TCP to Wiegand (V3) 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 101/321/401/721/723725/888 H-K-Uarm | | | |
| Default boot loader address is 192.168.1.128 (1604) New Netmask 255.255.0 Change P Find (Broadcast) | 727iV2 727iV3 - Serial Server/TCP to Wiegand (V3) 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! | 7 | | 102 168 1 25 |
| | 727iV2 727iV3 - Serial Server/TCP to Wiegand (V3) 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! | New IP 192.168.1.1 | 30 New Gateway | 192.168.1.254 |
| | ○ 727iV2 ● 727iV3 - Serial Server/TCP to Wiegand (V3) ○ 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF ○ 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! Default boot loader address is 192.168.1.128 (1604) | New IP 192.168.1.1 New Netmask 255.255.25 | 30 New Gate vay 5.0 Change P | 192.168.1.254 Find (Broadcast) |
| ★ ▲ 2稲 修改日期 | 727iV2 727iV3 - Serial Server/TCP to Wiegand (V3) 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! Default boot loader address is 192.168.1.128 (1604) | New IP New Netmask 255.255.25 | 30 New Gateway 5.0 Change P | 192.168.1.25- Find (Broad cast) |
| ★ ▲ 名稱 修改日期 ~ | ○ 727iV2 ● 727iV3 - Serial Server/TCP to Wiegand (V3) ○ 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF ○ 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! Default boot loader address is 192.168.1.128 (1604) | 7 New IP New Netmask 255.255.25 | 30 New Gate way 5.0 Change P 修改 [| 192.168.1.25- Find (Broad ast) 日期 |
| ▲ ▲ 名稱 ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ | ○ 727iV2 ● 727iV3 - Serial Server/TCP to Wiegand (V3) ○ 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF ○ 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! Default boot loader address is 192.168.1.128 (1604) | 7 New IP New Netmask 255.255.25 /0504 8i8o 230823 PLC. | 30 New Gate vay 5.0 Change P 修改F 5.TM 2023, | 192.168.1.254 Find (Broad cast) 日期 /8/23 下午 (|
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| 名稱 修改日期 APX727i3 V0504 8i8o 230823 PLC.STM 2023/8/23 下午 0 檔案名稱(N): APX727i3_V0504 8i8o 230823 PLC.STM ✓ Firmware Files(*.stm;*.at3;*.uit ~ | ○ 727iV2 ● 727iV3 - Serial Server/TCP to Wiegand (V3) ○ 331E/327E/721Ev2/725Ev2/727Ev5/881E/821Ev5/837E/EF ○ 101/321/401/721/723725/888 H-K-Uarm S2E-Device(192.168.001.171): Firmware Update is Completed ! Default boot loader address is 192.168.1.128 (1604) ▲ 名稱 ▲ 名稱 ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ | New IP 192.168.1.1 New Netmask 255.255.25 /0504 8i8o 230823 PLC. 2000000000000000000000000000000000000 | 30 New Gate way 5.0 Change P 修改 [5TM 2023, nware Files(*.stm; | 192.168.1.25- Find (Broad:ast) 日期 /8/23 下午(*.at3;*.ui1 ~ |

- STEP 1: 填寫該設備 IP 位置 (port 維持預設 1604)
- STEP 2: 選擇設備選項【727iV3-Serial Server/TCP to Wiegand (V3)】
- STEP 3: 點擊 Load F/W 按鈕
- STEP 4: 選擇更新韌體
- STEP 5: 點擊開啟按鈕
- STEP 6: 點擊 Update F/W 按鈕執行韌體更新
- **STEP 7**:更新開始會顯示進度,直到更新完成顯示【Firmware Update is Completed!】後即完成

8. 參考文件

8-2 常見問答

Q1:CNT Inc 計數不正確?

A: 必須選擇邊緣觸發 ^^Di 或 ^.Di, 選擇其他觸發條件可能導致計數亂跳。

| Index | Mode | Out# | Pulse | 0.1 | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Holida | y hh:mm | Join 1 | Join 2 | Join 3 | Join 4 |
|-------|---------|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|--------|---------|--------|--------|--------|----------|
| 004 | CNT Inc | 000 | 28 | - | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | ^.Di:007 |

- Q2: Timer 觸發後為何一直是0?
 - A:因為 Timer 為觸發後開始計時,停止觸發時歸零,因此需於觸發中查看 Timer 觸發時間才準確。

| Index | Mode | Out# | Pulse | 0.1 | Sun | Mon | Tue | Wed | Thu | Fri S | Sat | Holiday | hh:mm | Join 1 | Join 2 | Join 3 | Join 4 |
|-------|-------|------|-------|-----------|-----|-----|-----|-----|-----|-------|-----|---------|-------|--------|--------|--------|---------|
| 005 | Timer | 000 | 129 | . <u></u> | Y | Y | Y | Y | Y | Y | Y | Y | 24:00 | :000 | :000 | :000 | &Di:006 |

Q3:Timer如何循環觸發?

A: TIMER 條件設定為 LESS:011,則代表會在 0-11 秒循環。可以用此 TMR 秒數 作為觸發條件,詳情可參考 [6-9 跑馬燈範例]。

Q4:網頁登入設定頁面時,若遇到錯誤畫面如下,如何解決?A:可用滑鼠右鍵點擊該部分,選擇[重新載入頁框]即可。

