

1 Package Contents / 包裝內容

Kindly ensure the product's contents upon unpacking; please refer to this quick start guide regarding the product 's specifications and important notices.

打開包裝確認產品包裝內容，並請詳細閱讀此手冊，認識產品規格特性與注意事項。



ACW1012 x 1 主機

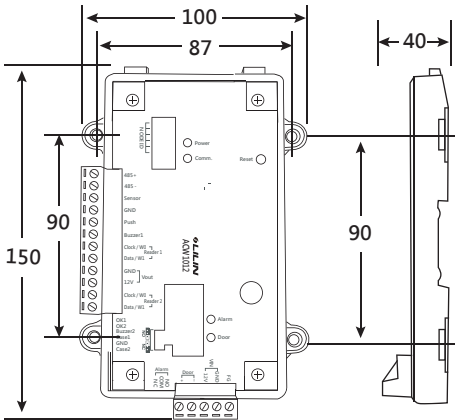


Installation Guide x 1 快速安裝手冊



Cable x 2 傳輸線

2 Physical Dimension / 外觀尺寸



Scale: mm

3 Installation / 安裝

Comm.	Communication LED; Regularly flashes between red and green LED upon data transmission. COMM通訊指示燈，資料正常傳送時，LED 紅/綠 交互閃爍
Power	Power LED; Flashes when power is supplied. 電源指示燈，正常供電時以相同速度閃爍顯示 / 電源指示燈，正常供電時以相同速度閃爍顯示
Door	Door Relay LED; Indicates door relay is activated. Door Relay動作指示燈，Relay動作時指示燈亮起
Alarm	Alarm Relay LED; Indicates alarm relay is activated. Alarm Relay動作指示燈，Relay動作時指示燈亮起
NO/NC	Door Relay Output Jumper Setting; 1-2 for NO, 2-3 for NC Door Relay輸出狀態選擇 ·1-2短路為常態開路 ·2-3短路為常態導通
SW 1	NODE ID and Reader Interface Configuration Switch NODE ID及讀卡機界面選擇開關
485 +	RS-485 Communication / RS-485 通訊
485 -	RS-485 Communication / RS-485 通訊
V-OUT 12V	Reader's DC 12V output, max. current of 500mA. 讀卡機專用DC 12V輸出，最大電流500mA
GND	Ground Connection / 接地端
CLOCK / W0	ABA Track 1/2 Reader CLOCK Signal Input or Wiegand W0 Signal Input ABA Track 1/2 讀卡機 CLOCK 訊號輸入端或Wiegand讀卡機W0 訊號輸入端
DATA / W1	ABA Track 1/2 Reader DATA Signal Input or Wiegand W1 Signal Input ABA Track 1/2 讀卡機 CLOCK 訊號輸入端或Wiegand讀卡機W0 訊號輸入端
OK1 / OK2	Connects the reader's LED Output. 讀卡機燈號輸出控制
Buzzer 1,2	Connects Buzzer Output / 讀卡機蜂鳴器輸出控制
CASE 1,2	Connects Reader Tamper Proof Sensor Input. / 讀卡機防拆偵測輸入
PUSH	Connects Exit Button; Kindly connect an NO Exit Button. 開門按鈕控制輸出，請接常態開路無段式外出按鈕開關
SENSOR	Connects Door Sensor Input / 門磁偵測開關輸入點
GND	Ground Connection / 接地端
DOOR +/-	Connects Electronic Lock output (dry contact) 電子門鎖控制輸出點，乾接點輸出
ALARM NO/COM/NC	Connects Alarm Output (dry contact) 警報器控制輸出點，乾接點輸出
V-IN 12V	ACW1012 DC 12V @1A Power Supply ACW1012 電源輸入端，請輸入DC 12V@ 1A
GND	Ground Connection / 接地端
FG	Frame Ground Connection /大地端
Reset	Press Reset button after installation. / 安裝完按Reset

- If the distance between ACW1012 and the reader exceeded 15 meters, kindly provide a separate power supply for the reader and connect ACW1012 ground wire with the reader's ground wire.
- 讀卡機距離如超過 15米，請另行單獨供電，並將讀卡機與ACW1012的接地端連接在一起。

- ACW1012 is a single door slave control panel, combined with multi-door control panel, that controls T2/Wiegand 26 readers.
- The SW1 of ACW1012 is a 8-position DIP Switch where 1~6 is for NODE ID Configuration, with a range of 0~63. Please refer to the NODE ID Configuration Table below.
- Reader format selection is SW1(8), ON is T1/T2, OFF is Wiegand.
- SW1(7) controls reader's OK & Buzzer circuit.
- ACW1012為T2/W26 讀卡機介面之單門控制主機，可搭配多門控制主機使用。
- ACU1012的 SW 1 共有8 個設定開關，1~6為主機 ID 設定開關，設定範圍為 0 ~ 63，請參考下面的位址設定表。
- SW1(8)為選擇Wiegand或T1/T2，ON為T1/T2，OFF為Wiegand.
- SW1(7)為讀卡機OK及BUZZER準位控制。
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- NODE ID Configuration Switch
Kindly refer to the configuration list below .(Binary Number System)

- NODE ID Configuration switch 請依照下表做配置
- Kindly refer to the configuration table below for the reader's interface settings.
- 讀卡機傳輸介面選擇請依照下表做配置

DIP Switch Settings
開關位址 ID number ON=1 OFF=0

ID Number	DIP S witch	ID Number	DIP S witch	ID Number	DIP S witch	ID Number	DIP S witch	ID Number	DIP S witch	ID Number	DIP S witch
0	000000	11	110100	22	011010	33	100001	44	001101	55	111011
1	100000	12	001100	23	111010	34	010001	45	101101	56	000111
2	010000	13	101100	24	000110	35	110001	46	011101	57	100111
3	110000	14	011100	25	100110	36	001001	47	111101	58	010111
4	001000	15	111100	26	010110	37	101001	48	000011	59	110111
5	101000	16	000010	27	110110	38	011001	49	100011	60	001111
6	011000	17	100010	29	001110	39	111001	50	010011	61	101111
7	111000	18	010010	29	101110	40	000101	51	110011	62	011111
8	000100	19	110010	30	011110	41	100101	52	001011	63	111111
9	100100	20	001010	31	111110	42	010101	53	101011		
10	010100	21	101010	32	000001	43	110101	54	011011		

There are 2 Door output modes available for ACW1012 Relay:

1. Normally Open (NO) mode NO
2. Normally Closed (NC) mode NC

	ON	OFF
SW1-7	Active Hi/Hi 動作/Hi 動作	Active Low/Low 動作/Low 動作
SW1-8	ABA Track 1/2	Wiegand 26

Please carefully select the modes according to the operating characteristic of the output terminals.

ACW1012 Door有二種輸出狀態設定：

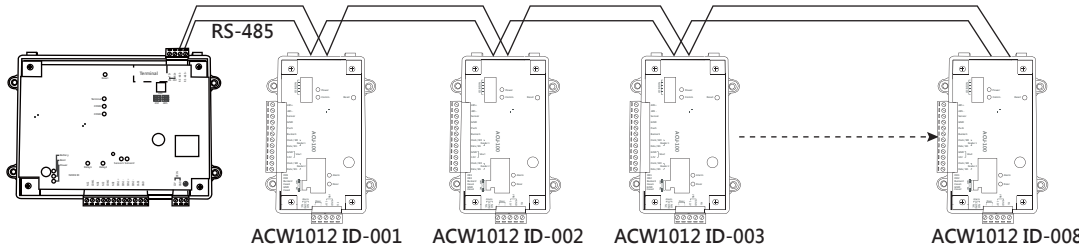
1. NO 模式- REL AY常態開路模式，如果被控制點為通電運行的裝置，請選擇此一模式。NO
2. NC 模式- REL AY常態導通模式，如果被控制點為斷電運行的裝置，請選擇此一模式。NC

Note:The maximum voltage and contact rating of the relay is DC 12V/2A or DC 24V/1A.

If you are to connect a terminal with alternating current or with higher ratings, make sure to transfer a relay with higher power output.

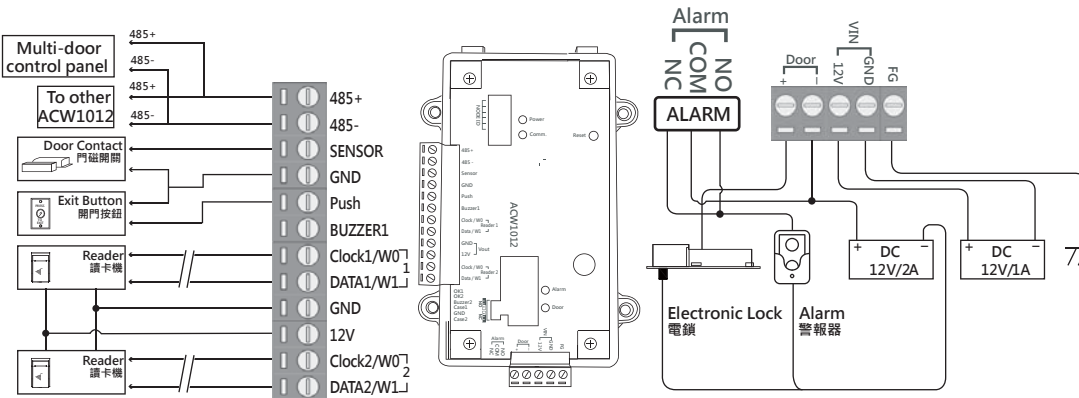
注意：RELAY 最大承載電力請勿超過 DC 12V/2A或DC 24V/1A，如控制點設備為交流電源，請另行轉換大功率電驛(繼電器)。

4 Wire Connections/ 接線



- If the reader's LED and BUZZER is to be controlled by ACW1012, please refer to the reader's quick start guide and connect the corresponding wire with OK, ERROR and BUZZER.
- For connection with a terminal that releases door upon open circuit; for example: Electric Bolt Lock, please connect the COM(common) contact and NC (normally closed) contact.
- For connection with a terminal that releases door upon closed circuit; for example: Electric Strikes, kindly connect the COM(common) contact and NO (normally open) contact.
- In order to avoid eletromagnetic interference, kindly connect the FG(earth ground) to the Metal Chassis or with the DC Power Supply's FG Contact.

- 讀卡機 LED 及 BUZZER 如支援受控制動作，請參考讀卡機說明將被控制點連接到 OK、ERROR、BUZZER。
- 使用斷電開門電鎖，如陽極電鎖，請接 COM 點及 NC 點。
- 使用通電開門電鎖，如陰極電鎖，請接 COM 點及 NO 點。
- 為確保不被電磁干擾，請確實將FG接於金屬機殼(Chassis)或DC电源的FG接點。



One Year Limited Warranty / 產品保固證明書

We warrants this product against defect in material or workmanship for 1 year from the date of purchase. If such a defect is discovered within this warranty limitation, please contact your direct vendor for repair or replacement of your unit. When returning the product, you must ship the product in its original packaging or packaging that gives an equal degree of protection. This warranty becomes invalid if the factory-supplied serial number has been removed or altered on the product. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence or modification of any part of the product. This warranty does not cover damage due to improper operation or maintenance, connection to improper equipment, or attempted repair by anyone other than We. In no event shall We liability exceed the price paid for the product from direct, indirect, special, incidental, or consequential, damages resulting from the use of the product the product, its accompanying software, or its documentation. We makes no warranty or representation expressed, implied, or statutory, with respect to its products, contents of use of this documentation and all accompanying software, and specially disclaims its quality, performance, merchantability or fitness for any particular purpose. We reserves the right to revise or update its product, software or documentation without obligation to notify any individual or entity.

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Model/ 型號	Serial no./ 序號	Date of Purchase/ 購買日期	Reseller stamp/ 經銷商

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ACW1012

Single door slave control panel

Installation Guide

快速安裝手冊

Ver. 2.2