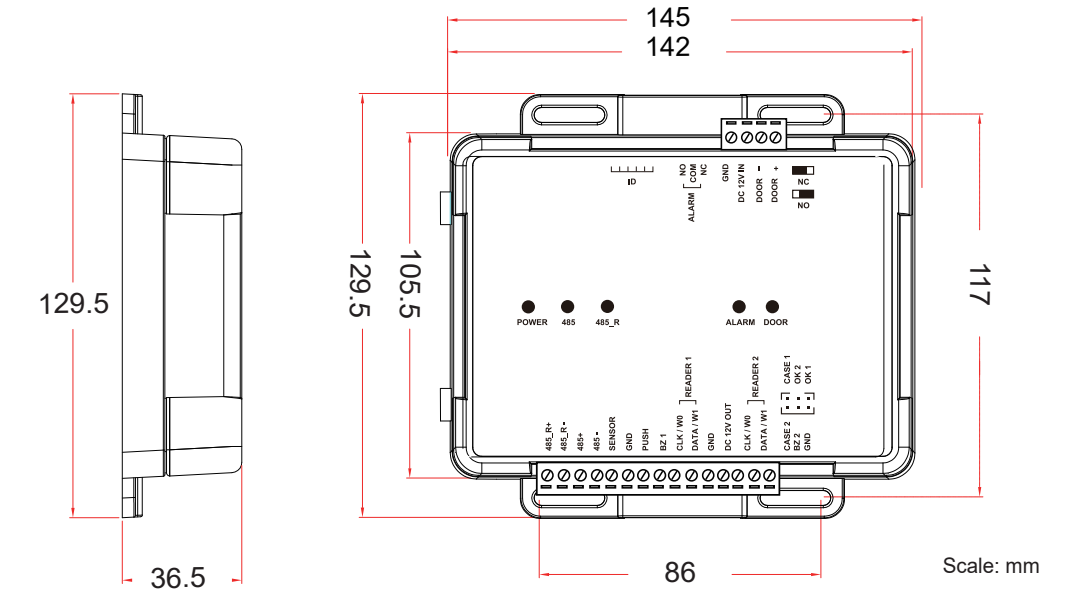


1 Package Contents 包裝內容

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。



2 Physical Dimension 外觀尺寸



3 Installation 安裝

485/485_R	Communication LED; Regularly flashes between red and green LED upon data transmission. 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
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	NODE ID and Reader Interface Configuration Switch NODE ID及讀卡機介面選擇開關
485_R+ 485_R-	RS-485 Communication (To Reader) / RS-485通訊 (接讀卡機)
485 + 485 -	Communication(To Multi-door control panel) / RS-485通訊(接多門控制器)
DC 12V OUT	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 DATA 訊號輸入端或Wiegand讀卡機 W1 訊號輸入端
OK1 / OK2	Connects the reader's LED Output. 讀卡機燈號輸出控制
BZ 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. 開門按鈕輸入，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
DC 12V IN	ACU-100E DC 12V @1A Power Supply ACU-100E 電源輸入端，請輸入 DC 12V@1A
GND	Ground Connection 接地端

HUNDURE

HUNDURE TECHNOLOGY CO., LTD.

ACU-100E SINGLE DOOR SLAVE CONTROL PANEL

Quick Start Guide

快速安裝手冊
Ver. 1.0

- ACU-100E is a single door slave control panel, combined with multi-door control panel, that controls T2/Wiegand or RS-485 readers.
- The SW of ACU-100E 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 SW(8),ON is T1/T2, OFF is Wiegand.
- SW (7) controls reader's OK & Buzzer circuit.
- ACU-100E 為T2/Wiegand 或 RS-485 讀卡機介面之單門控制主機，可搭配多門控制主機使用。
- ACU-100E 的 SW 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。
- SW(8)為選擇Wiegand或T1/T2，ON為T1/T2，OFF為Wiegand。
- SW(7)為讀卡機OK及BUZZER準位控制。
- NODE ID Configuration Switch
Kindly refer to the configuration list below (Binary Number System)
- 請依照下表做配置

ID number — ON=1 OFF=0

1	2	3	4	5	6	7	8
ON							

DIP Switch Settings 開關位址

ID Number	DIP Switch	ID Number	DIP Switch	ID Number	DIP Switch	ID Number	DIP Switch	ID Number	DIP Switch	ID Number	DIP Switch
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 ACU-100E Relay:

- Normally Closed (NC) mode ☒ NC
- Normally Open (NO) mode ☐ NO

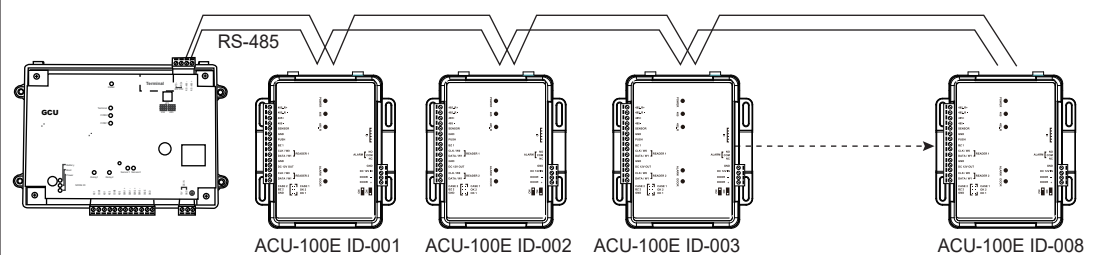
Please carefully select the modes according to the operating characteristic of the output terminals.
ACU-100E Door 有二種輸出狀態設定：

- NC 模式- RELAY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
- NO 模式- RELAY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

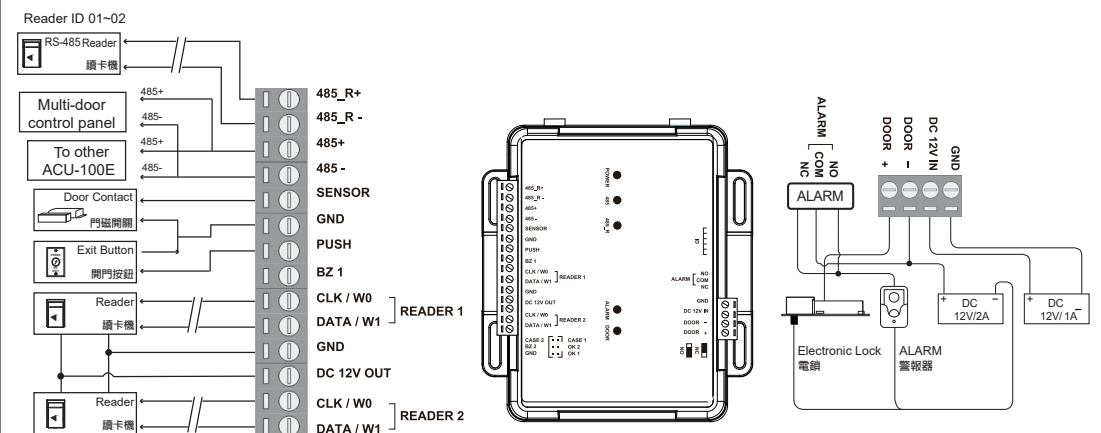
Note: The maximum voltage and contact rating of the relay is DC 12V/2A or DC 24V/1A. If you are to connect a terminal with alternating current or with higher ratings, make sure to transfer a relay with higher power output.

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)。

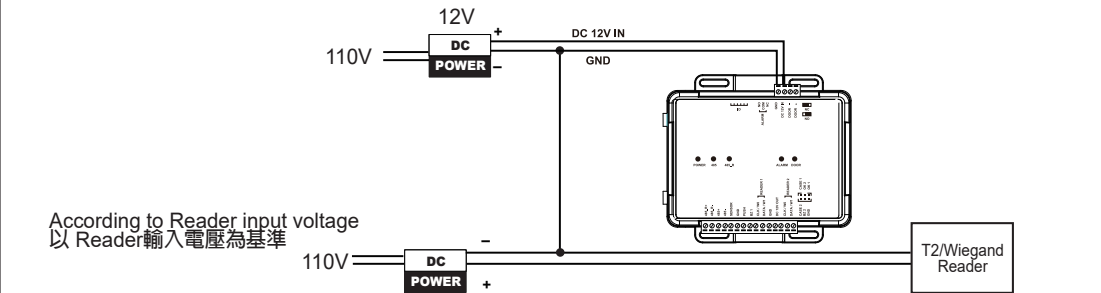
4 Wire Connections 接線



- If the reader's LED and BUZZER is to be controlled by ACU-100E, 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 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 COM (common) contact and NO (normally open) 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。



- If the distance between ACU-100E and the reader exceeded 15 meters, kindly provide a separate power supply for the reader and connect ACU-100E ground wire with the T2/Wiegand reader's ground wire.
- T2/Wiegand 讀卡機距離如超過 15米，請另行單獨供電，並將讀卡機與ACU-100E的接地端連接在一起。



According to Reader input voltage
以 Reader輸入電壓為基準

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, 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 it's 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 qualtiy , 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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此保固書必須填妥各項內容，並且蓋有經銷商印鑑始為有效。