

BF-50

安裝指南 HW 1.0

A. 包裝內容

■ 繼電器 X 1, 網路線 X 2, 配件包 X 1 (塑膠壁虎 X 4, 固定螺絲 X 4, 1N4004 X 1), 安裝指南 X 1

B. 安裝

■ 外觀尺寸: 100(120) X 106 X 26.5 mm

■ 建議採用

- 穩壓直流電源
- 485 請使用遮蔽電纜線
- BF-50 與電鎖分開供電

■ 規格

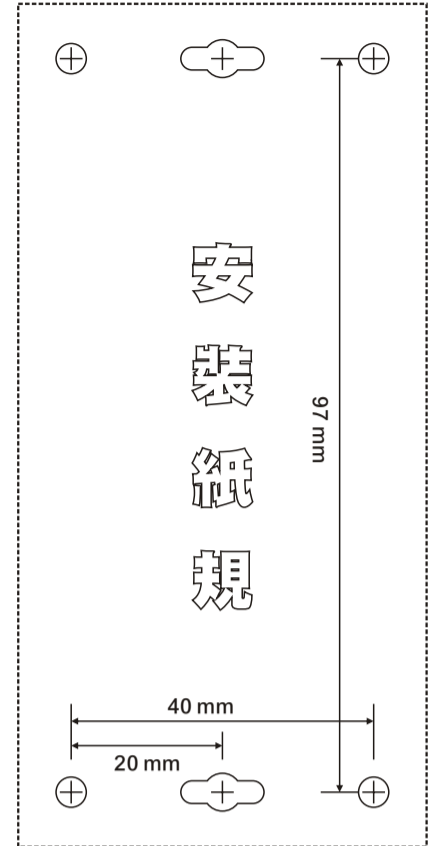
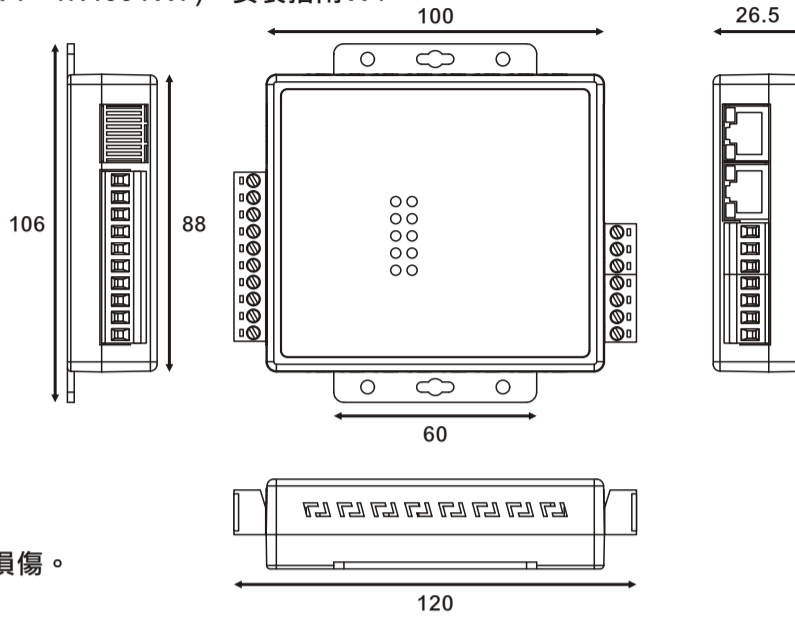
- 電壓範圍 9 ~ 24 VDC
- 最大電流 1A

□ 微根通訊最遠距離: 80M

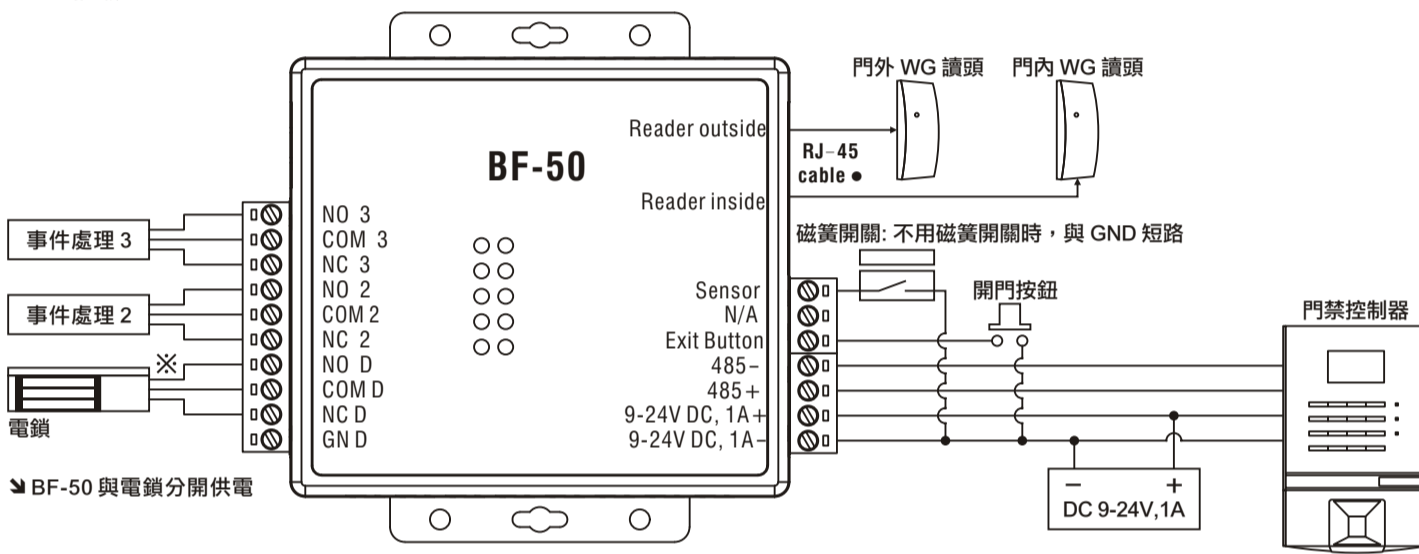
□ RS-485 通訊最遠距離: 1000M

■ 注意事項:

- 除電源接點外, 其他接點勿與電源接觸。
- 採用不符合規格之變壓器可能會造成系統不穩定或對硬體造成損傷。



C. 系統配線圖



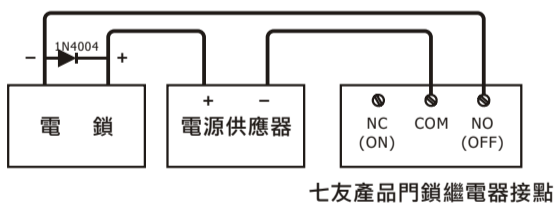
● RJ-45 Cable 與 WG 感應讀頭接線說明

微根通訊最遠距離: 80M

1	橘白	D0	
2	橘	D1	
3	綠白	讀頭 LED 控制接點	
4	藍	讀頭蜂鳴器控制接點	
5	藍白	讀頭讀卡控制 (與 GND 短路才能讀卡)	
6	綠	偵測讀頭	
7	棕白	POWER-	DC 9-24V (輸出) 和 BF-50 輸入電壓相同
8	棕	POWER+	

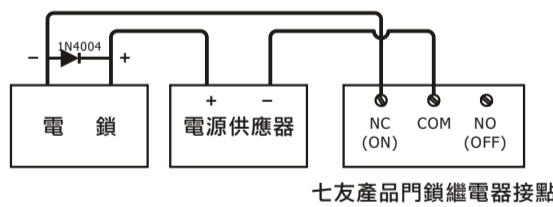
※ 門禁繼電器接點說明

• 通電開門



七友產品門鎖繼電器接點

• 斷電開門



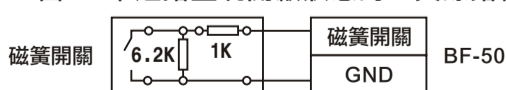
七友產品門鎖繼電器接點

▼ 背面各短路片狀態功能說明

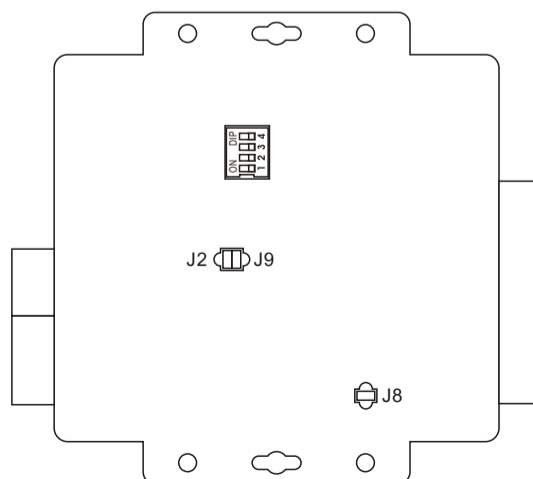
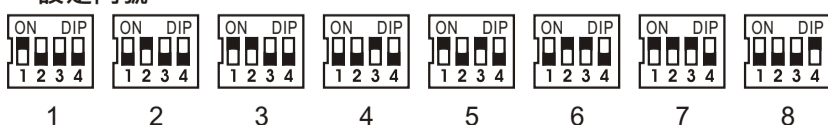
Jumps	功能	■	□
J2	緊急模式: 485 斷線時, 開門按鈕可以不受時區限制緊急開門。	短路: 開啟	未短路: 關閉
J8	蜂鳴器	短路: 開啟	未短路: 關閉
J9	磁簧線路檢測	短路: 關閉	未短路: 開啟

▼ BF-50 接磁簧

1. J9 短路呈現關閉狀態時, 無線路檢測功能
2. 當 J9 未短路呈現開啟狀態時, 具線路檢測功能磁簧接線如下:



▼ 設定門號



BF-50

INSTALLATION HW 1.0

A. Package content

■ Relay Box X 1, RJ-45 Cable X 2, Accessories kit X 1(Plastic screw X 4, Fastening screw X 4, 1N4004 X1), Installation Guide X 1

B. INSTALLATION

■ Physical Dimension:

■ RECOMMENDED

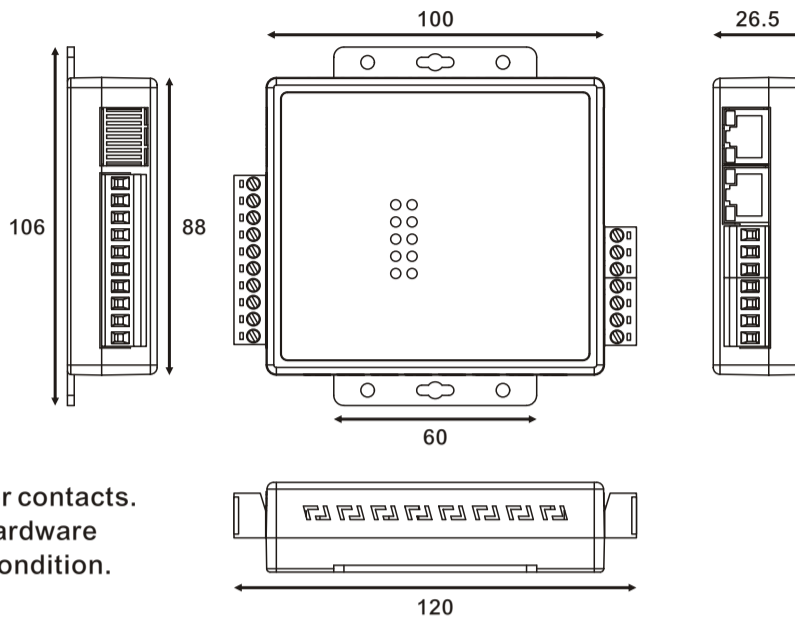
- Switching DC Power supply is recommended.
- Shield type cable for RS-485 is recommended.
- Please use separately power source for BF-50 and Magnetic lock is recommended.

■ SPECIFICATIONS

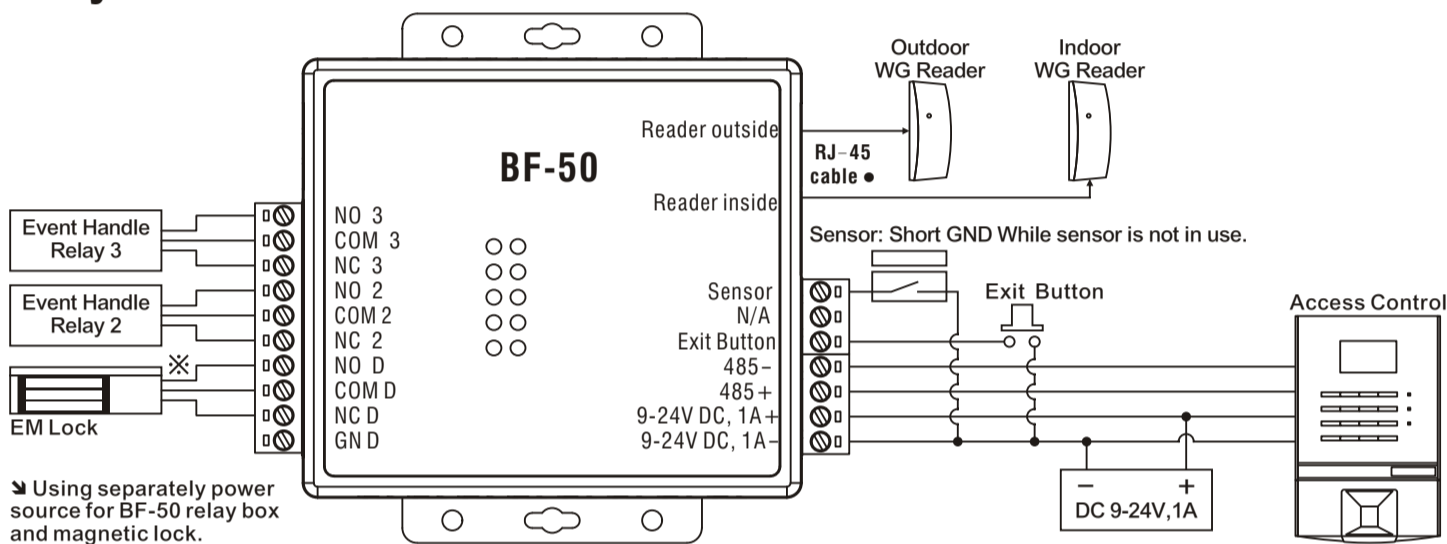
- Power output 9~24 VDC
- Max current 1A
- Max distance for wiegand is 80M
- Max distance for RS-485 is 1000M

■ Notice

- Do not connect other contacts to the power unit except power contacts.
- Do not apply any unverified power supply to the unit or the hardware system may be damaged or may cause system an unstable condition.



C. System Connection



↳ Using separately power source for BF-50 relay box and magnetic lock.

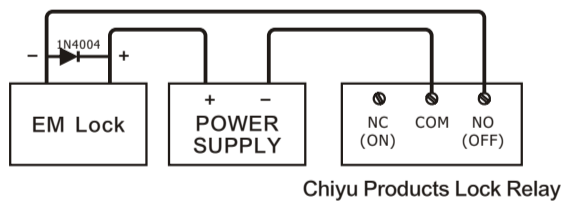
• BF-50 RJ-45 Cable Color Read for Reader Connection

Max distance for wiegand is 80M

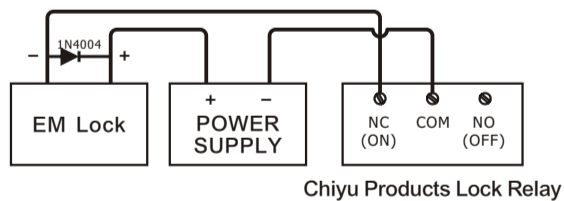
1	ORANGE WHITE	D0	
2	ORANGE	D1	
3	GREEN WHITE	Output, Controlled the LED of Reader	
4	BLUE	Output, Controlled the Buzzer of Reader	
5	BLUE WHITE	Reader sensing control (Must short GND)	
6	GREEN	To detect Reader	
7	BROWN WHITE	POWER-	9-24V DC power output, same as BF-50 power input.
8	BROWN	POWER+	

※ Door Relay Connect.

• Fail Secure Lock



• Fail Safe Lock

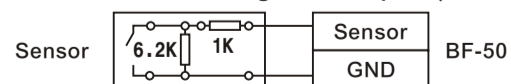


↳ Jumper setting descriptions

Jumps	Function	Short	Open
J2	Emergency: When RS485 communication disconnects from the terminal, the exit button still works.	enable	disable
J8	Buzzer	enable	disable
J9	Sensor looping diagnostic	disable	enable

↳ Connect BF-50 with Sensor

1. J9 Short No circuit looping diagnostic test.
2. While J9 is setting under Open (enable) status, circuit is capable of auto looping diagnostic test.



↳ Door number setting

