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ict Taiwan

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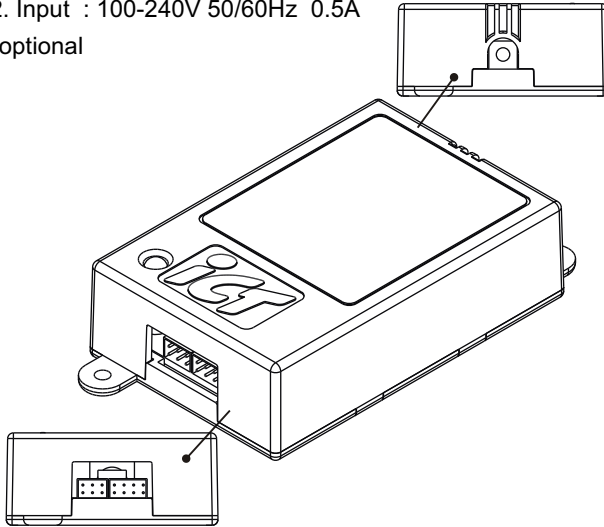
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1. General Specification :

1. Voltage : DC12V~24V $\pm 5\%$
2. Current : 100mA
3. Power Consumption : 1.2W
4. Operating Temperature : 0°C~ 60°C
5. Storage Temperature : -20°C~70°C
6. Operating Humidity : 0% ~ 85% (RH)

Transformer Specification :

1. Model: HAPU04F2
 2. Input : 100-240V 50/60Hz 0.5A
- *optional

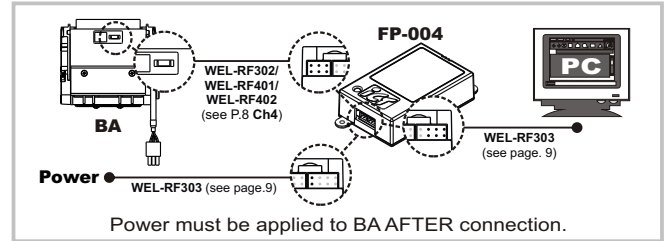


2. Download :

2-1. Direct Downloading:

PC → BA

Step 1 : Connection



Step 2 : Download FP-004 Software

Download FP-004 Software from

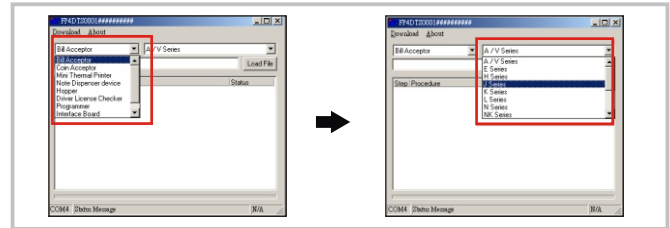
<http://www.ictgroup.com.tw> ⇒ support

Step 3 : FP-004 setting. Port **COM1 OR COM2**

The com port setting varies according to the connection on PC.

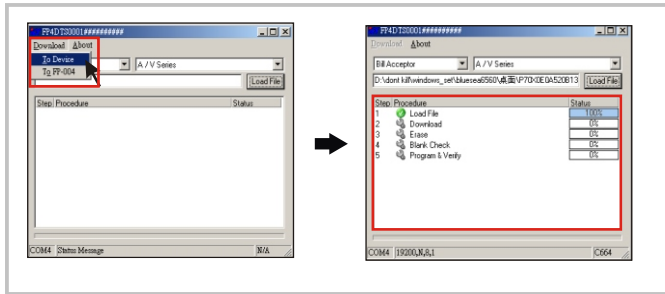
Step 4 : Choose the product type.

Step 5 : Choose the model type.



Step 6 : Choose the firmware (mhx/ hex file) to download it.

Step 7 : Click on [To Device] to start downloading, the related messages about program codes will be shown on the window block.

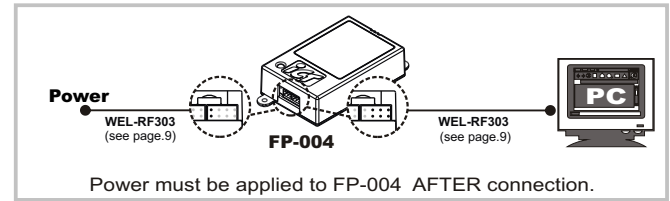


Step 8 : Complete downloading. Firmware is saved in BA now.

2-2. Indirect Downloading:

(1) PC → FP-004

Step 1 : Connection



Step 2 : Download FP-004 Software.

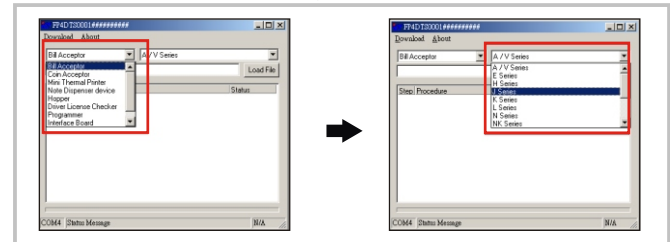
Download FP-004 Software from <http://www.ictgroup.com.tw/=>support>

Step 3 : FP-004 setting. Port **COM1 OR COM2**

The com port setting varies according to the connection on PC.

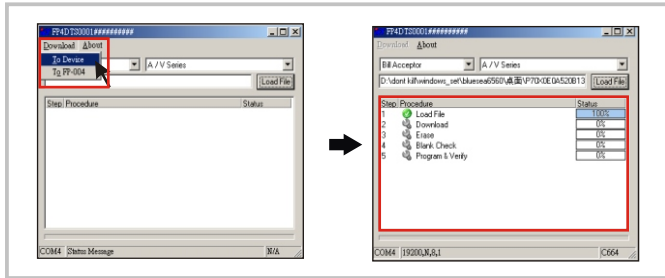
Step 4 : Choose the product type.

Step 5 : Choose the model type.



Step 6 : Choose the firmware (mhx/ hex file) to download it.

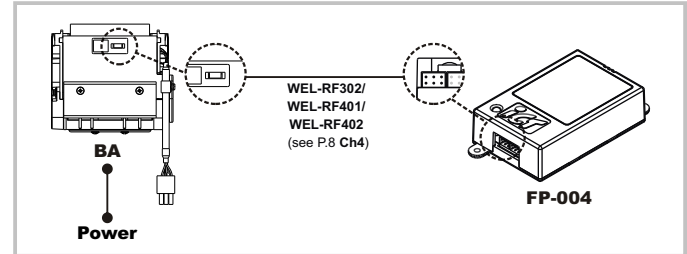
Step 7 : Click on **[To Device]** to start downloading, the related messages about program codes will be shown on the window block.



Step 8 : Complete downloading. Firmware is saved in BA now.

(2) FP-004 → BA

Step 1 : Connection



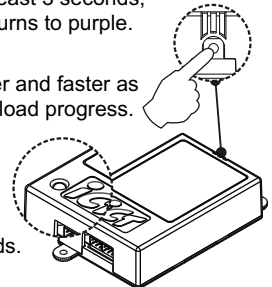
Step 2 : Start downloading a new firmware to BA.

FP-004 to BA

Step1: Press and hold the button for at least 3 seconds, and wait until the faceplate LED turns to purple.

Step2: The faceplate LED will flash faster and faster as it's approaching the end of download progress.

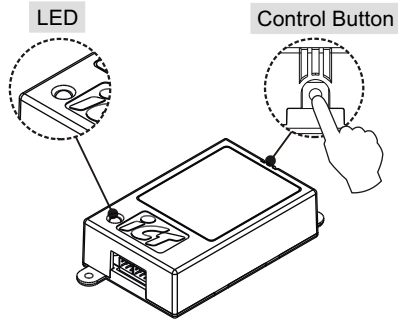
Step3: After downloading, the faceplate LED will indicate "Green" as successful downloading or "Red" as failed downloading in 3 seconds.



Note: As downloading the firmware to BA in this mode, PC Tool shows the download progress automatically.

Step 3 : Complete indirect downloading .

3. LED Status :

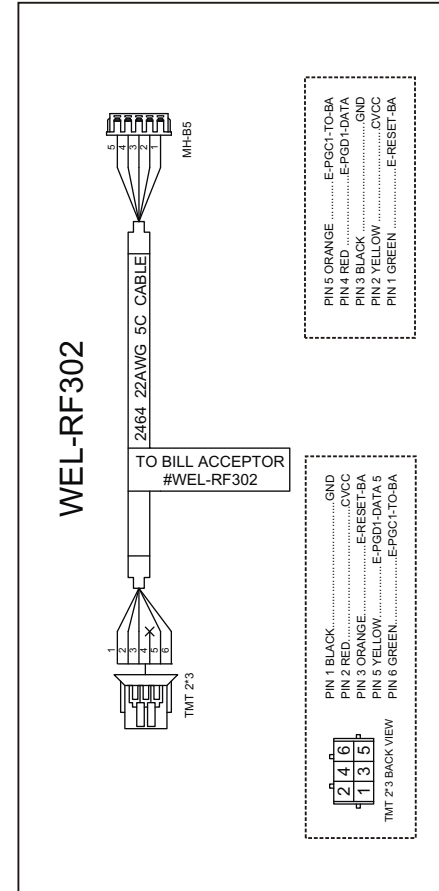


FLASHES		MODE	STATUS
Green	Flashing	Idling	FP-004 to BA Mode
	ON	Download	Download Successful
Blue	ON	Idling	PC to BA Mode 1
Yellow	ON	Idling	PC to BA Mode 2
Red	Flashing	Idling	Memory Problem
	ON	Download	Download Fail
Purple	ON	Download	Busy
	Flashing		Download in Progress

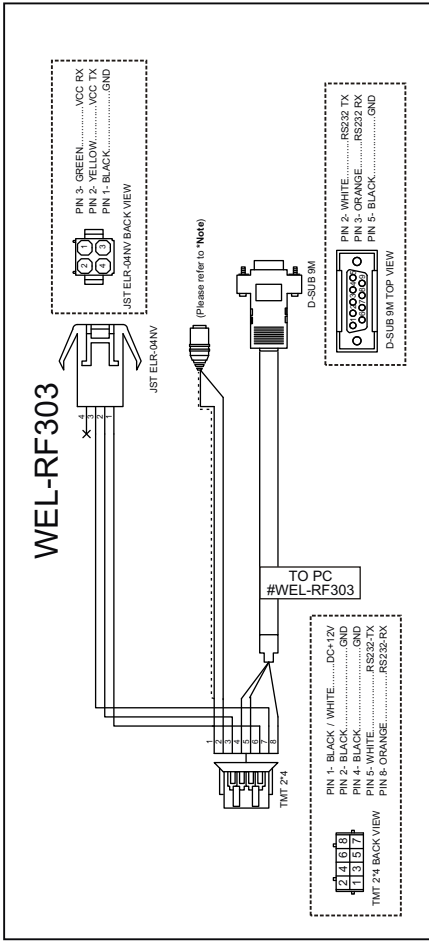
❖Control Button:

1. Click to switch between PC and BA.
2. Press and hold three seconds to start downloading from FP-004 to BA.

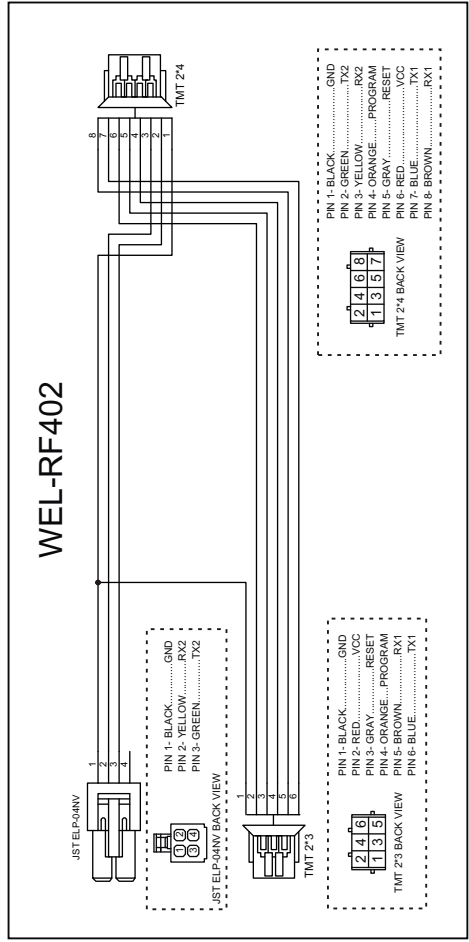
4. Harnesses :



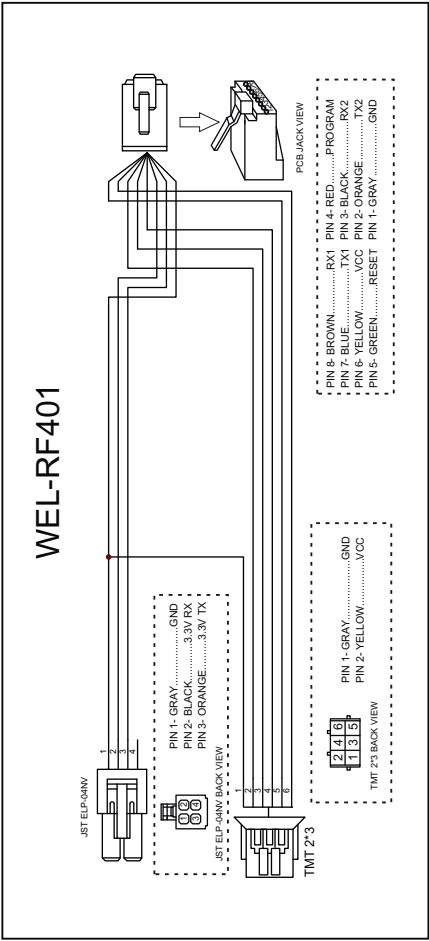
Connect FP-004 to BA < SV7E, L Series, V series (V7E, V7P), and TAO Series>.



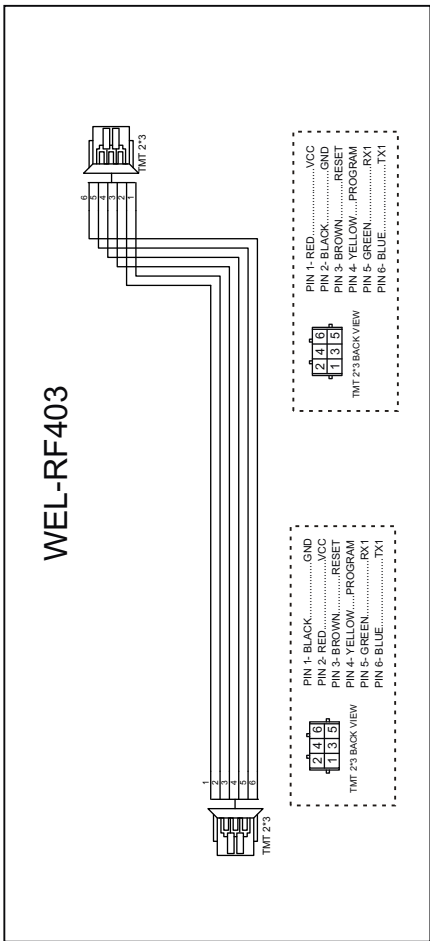
Connect FP-004 to PC and Transformer.
 *Note: Connect here to transformer if there is no power applied to PC or BA/non-BA.



Connect FP-004 to BA (P/ NK/ K/ E/ U/ F Series) and all non-BA products except ND Series.



Connect FP-004 to BA (A/V, J Series).



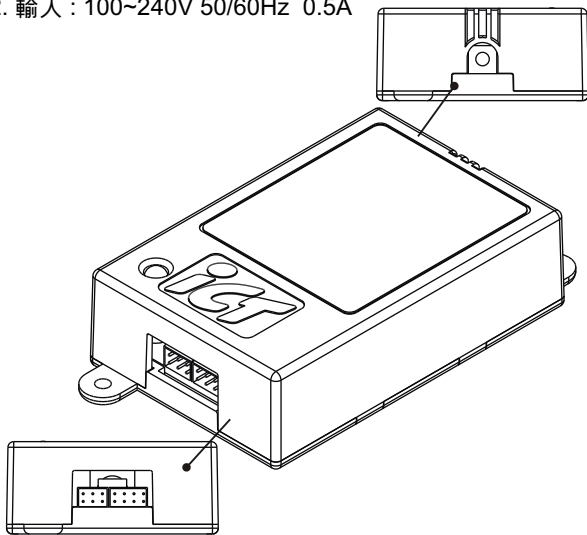
Connect FP-004 to non-BA (ND/ CVD Series).

1. 產品規格：

1. 電壓：DC 12V~24V ±5%
2. 電流：100mA
3. 耗電量：1.2W
4. 操作溫度：0°C~60°C
5. 儲存溫度：-20°C~70°C
6. 操作溼度：0%~85%(RH)

變壓器規格：

1. 料號：HAPU04F2(可自由選購)
2. 輸入：100~240V 50/60Hz 0.5A

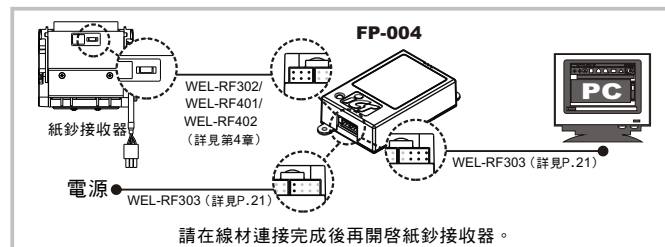


2. 下載程式：

2-1. 直接下載：

PC ➡ 紙鈔接收器

步驟 1: 連接線材。



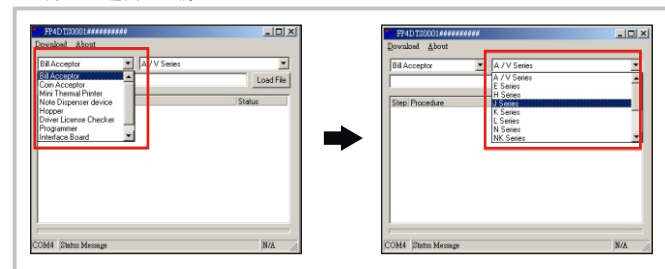
步驟 2: 下載FP-004程式。

從 <http://www.ictgroup.com.tw/> 的【客戶服務】選項中下載FP-004程式。

步驟 3: 設定Port：視PC連接設定FP-004 Port。

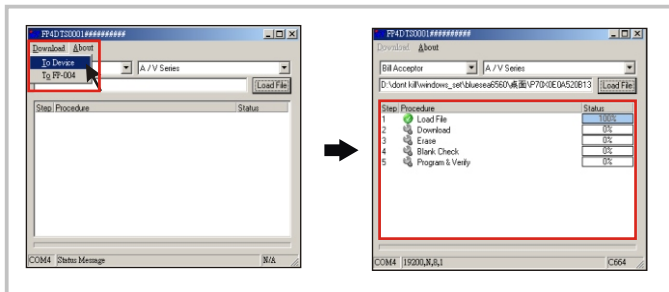
步驟 4: 選擇機器種類。

步驟 5: 選擇型號。



步驟 6: 選擇欲下載的檔案(mhx / hex檔)。

步驟 7: 點【To Device】開始下載，此時視窗上會呈現相關程式碼資訊。

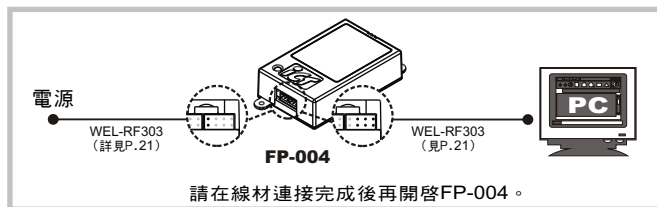


步驟 8: 下載完成，程式已儲存於紙鈔接收器中。

2-2.間接下載：

(1) PC ➡ FP-004

步驟 1: 連線線材。



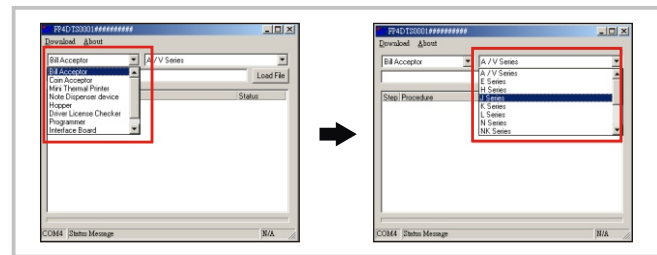
步驟 2: 下載FP-004程式。

從 <http://www.ictgroup.com.tw/> 的【客戶服務】選項中下載FP-004程式。

步驟 3: 設定Port：視PC連接設定FP-004 Port。

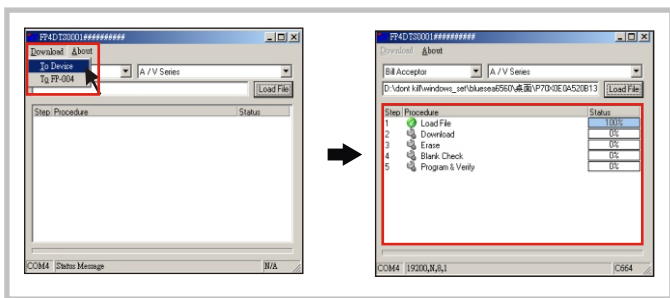
步驟 4: 選擇機器種類。

步驟 5: 選擇型號。



步驟 6: 選擇欲下載的檔案(mhx / hex檔)。

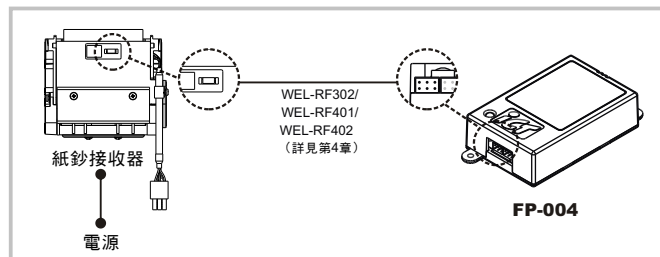
步驟 7: 點【To Device】開始下載，此時視窗上會呈現相關程式碼資訊。



步驟 8: 下載完成，程式已儲存於紙鈔接收器中。

(2) FP-004 ➡ 紙鈔接收器

步驟 1: 連接線材。

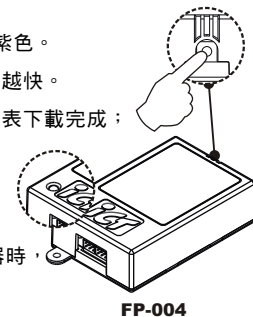


步驟 2: 開始將新程式下載至BA。

FP-004 ➡ 紙鈔接收器

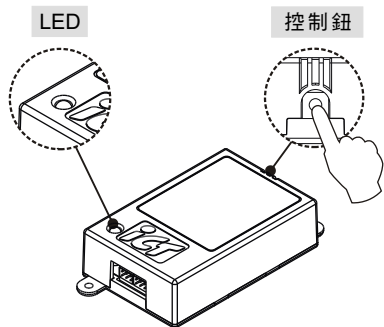
1. 按住按鈕3秒以上，待面板LED燈轉紫色。
2. 面板LED燈在下载接近尾声時會越閃越快。
3. 下載後，若面板LED燈顯示綠色，代表下載完成；若顯示紅色則代表下載失敗。

註：在此模式下下載軟體至紙鈔接收器時，PC工具會自動顯示下載訊息。



步驟 3: 間接下載完成。

3. LED燈號狀態：

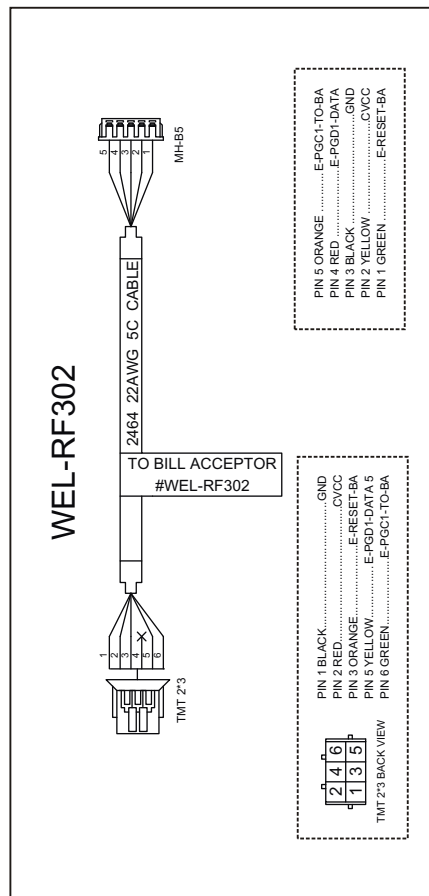


LED燈號		模式	狀態
綠色	閃燈	閒置	FP-004→紙鈔接收器模式
	亮燈	下載	下載完成
藍色	亮燈	閒置	PC→紙鈔接收器模式 1
黃色	亮燈	閒置	PC→紙鈔接收器模式 2
紅色	閃燈	閒置	記憶體故障
	亮燈	下載	下載失敗
紫色	亮燈	下載	忙碌
	閃燈		下載中

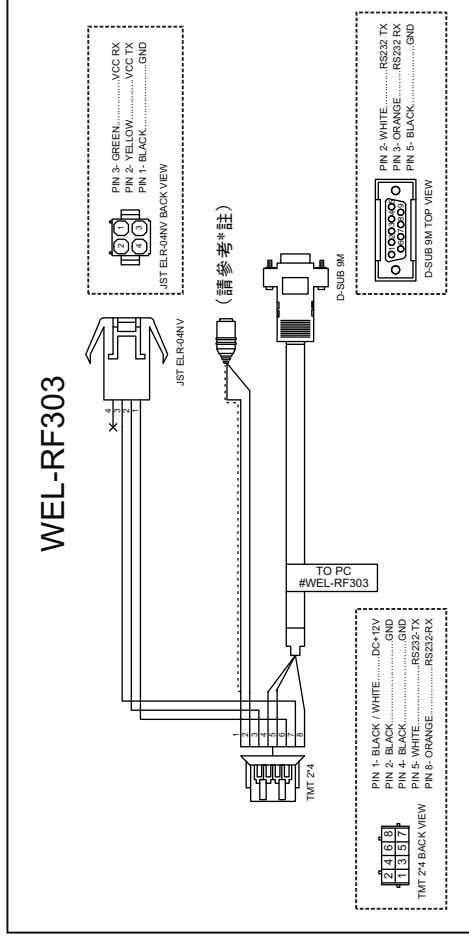
❖控制鈕：

1. 按此鈕可切換於PC及紙鈔接收器間。
2. 按住此鈕三秒開始從FP-004下載軟體至紙鈔接收器。

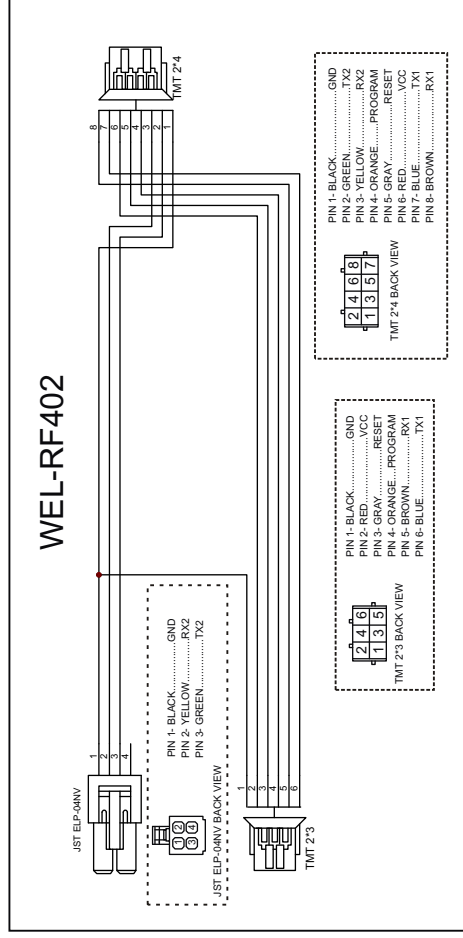
4. 線材：



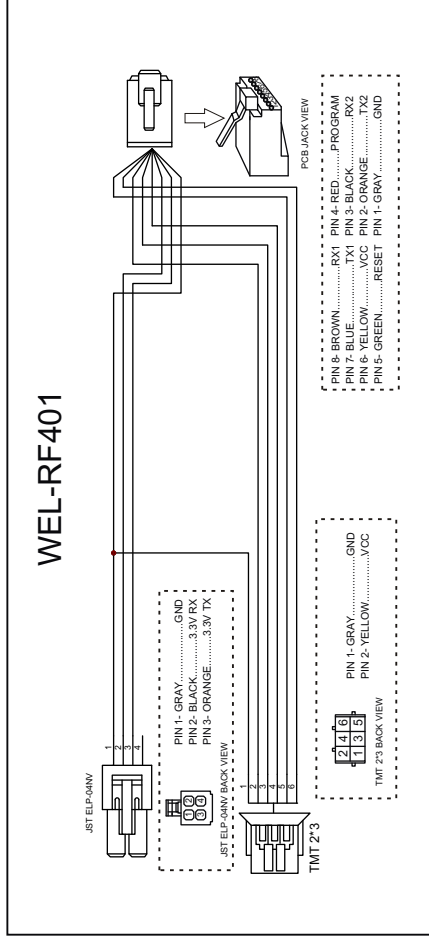
連接FP-004及紙鈔接收器 <SV7E、L系列、V系列、V7E、V7P> 及 TAO 系列。



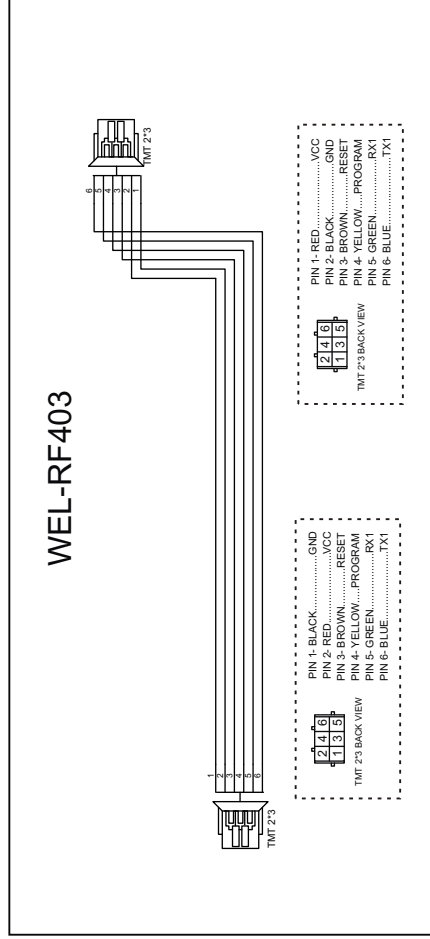
連接FP-004、PC或變壓器。
*註：當PC或機器無供電時，請連接變壓器於此。



連接FP-004及紙鈔接收器 (P/NK/K/E/U/UF 系列) 或其他任何機種 (ND 系列除外)。



連接FP-004及紙鈔接收器 (A/V/J 系列)。



連接FP-004及ND/CVD 系列。