



Bill Acceptor

NE77

Installation Guide



International Currency Technologies Corp.

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1. Introduction

1-1. Overview

NE77 features multi-width banknote verification and recognition and superior anti-stringing function; equipped with multiple interfaces to provide users the best service suitable for various applications.

1-2. Features

- Accept multi-width banknotes
- Advanced optical and mechanical anti-fishing mechanism
- High acceptance rate
- Superior anti-counterfeit capability
- High transaction speed

2. Specifications

General

Acceptance Rate	96% or greater
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Note: The incomplete bills such as extremely dirty, wet, broken or wrinkled ones are excluded.

Bill Insertion	Four way acceptable
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Transaction Speed	Approx. 1.5 seconds to stack
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Interface	RS232, Pulse, Parallel
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Installation	Indoor
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Electrical

Power Source	12V DC (10.8V~13.2V DC)
Power Consumption	Standby: 0.24A, 3W Operation: 0.9A, 11W Maximum: 2.7A, 32.4W
Operation Environment	Operation Temperature: 0°C~55°C Storage Temperature: -20°C~70°C Humidity: 30%~85%RH (no condensation)

Mechanical

Outline Dimension	Refer to page.4
Bill Accepted Width	62mm~77mm
Weight	Approx. 1.2kg

3. Packing List

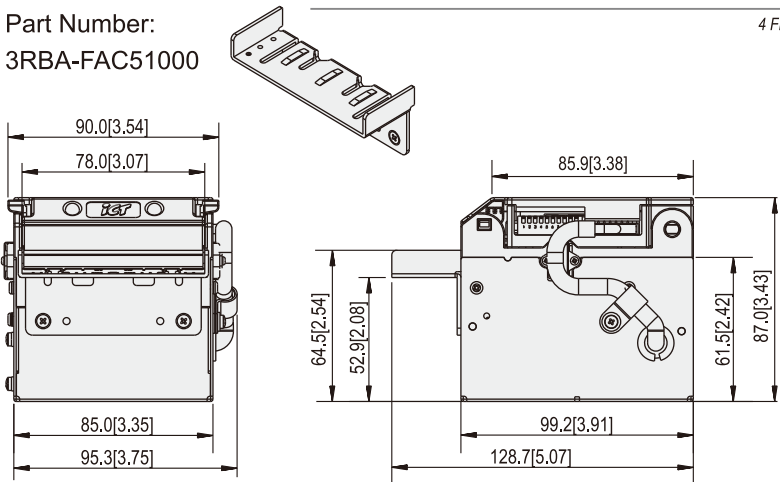
Main	Bill Acceptor
Accessory	Harnesses (Refer to 5-1) NE77 Installation Guide NE77 DIP Switch Setting Guide

4. Dimension

< long bezel >

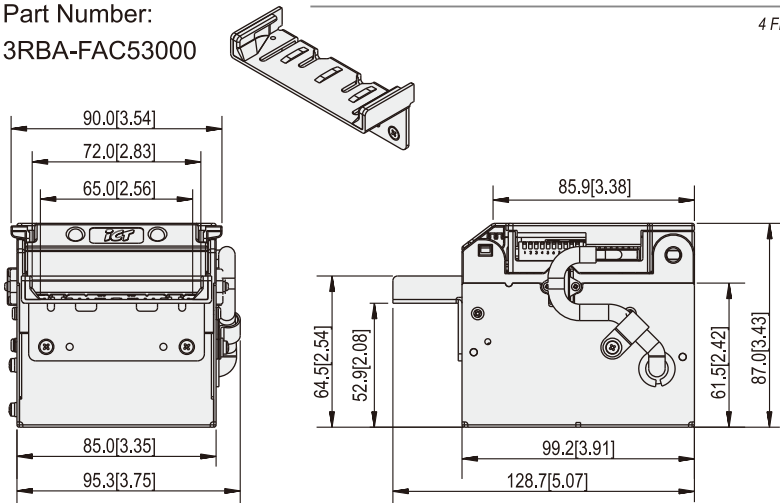
Part Number:
3RBA-FAC51000

4 FIG.01



Part Number:
3RBA-FAC53000

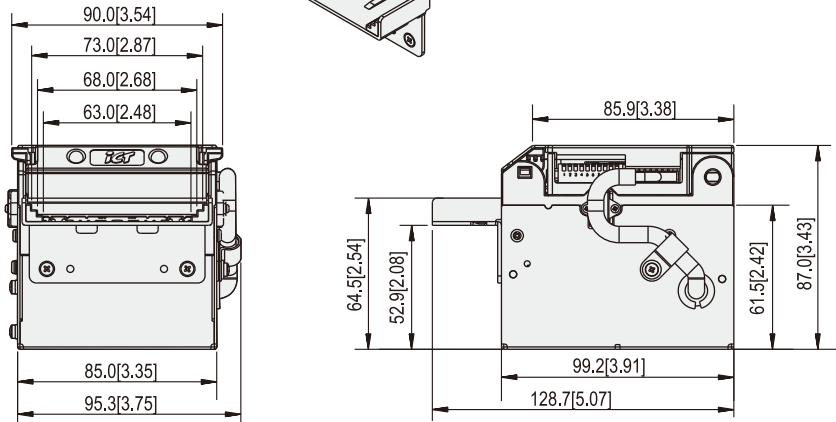
4 FIG.0



Unit:mm[inch]

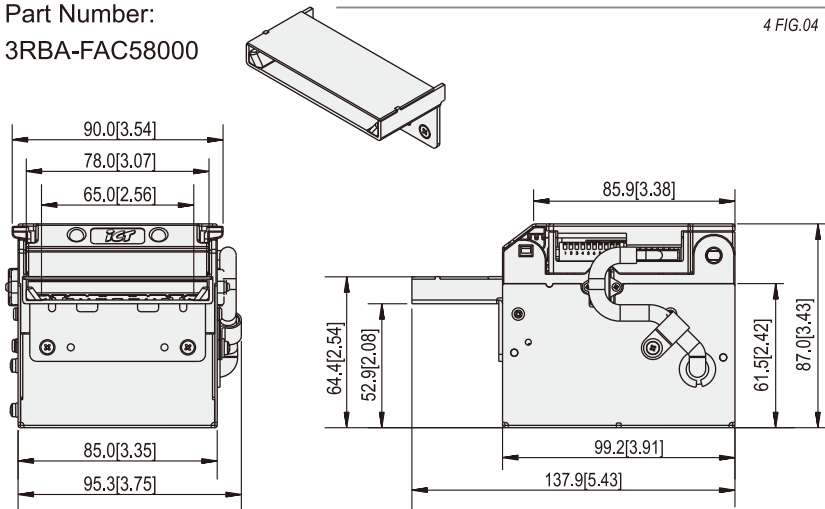
Part Number:
3RBA-FAC54000

4 FIG.03



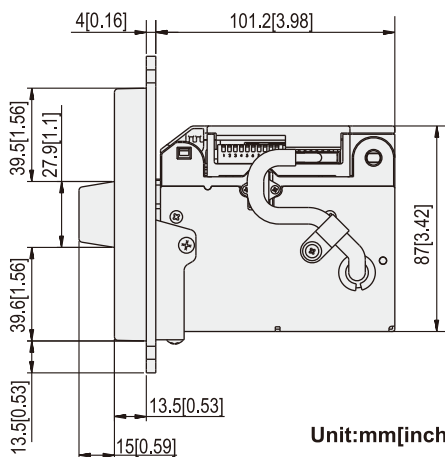
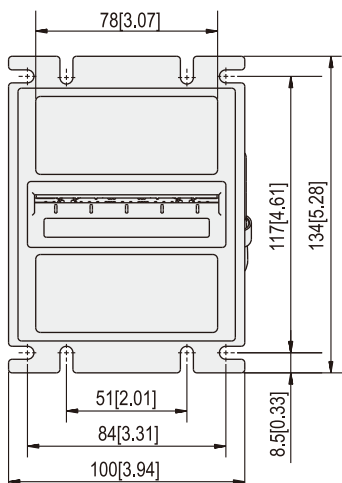
Part Number:
3RBA-FAC58000

4 FIG.04



Unit:mm[inch]

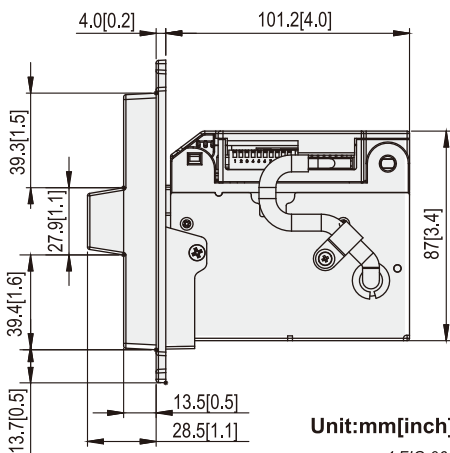
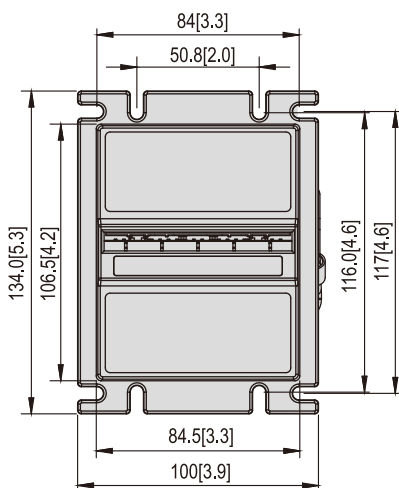
< Standard Bezel > Part number: 3RBA-FAC41003



Unit:mm[inch]

4 FIG.05

< L77F/ NE77 Bezel > Part number: 3ZBA-FAC64000



Unit:mm[inch]

4 FIG.06

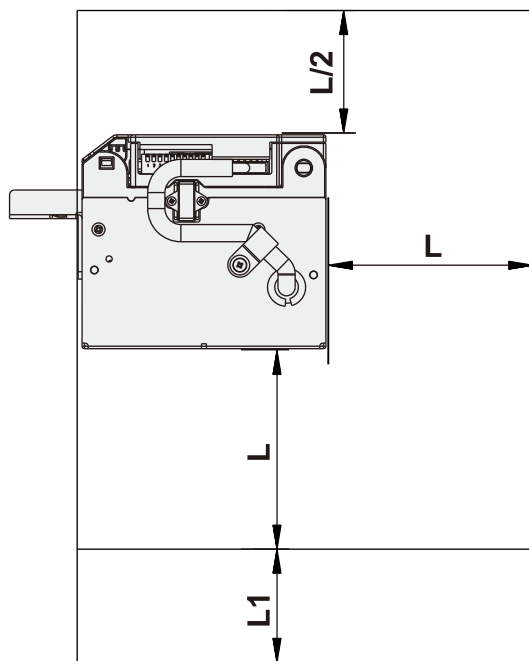


To install the bill acceptor on your VMC, please be aware of the dimension as below:

[L] : Longer than the maximum length of accepted bills.

[$L1$] : Bill box capacity depth.

**** [$L/2$] has to be longer than 80mm to open upper base.***



4 FIG.07

5. Installation

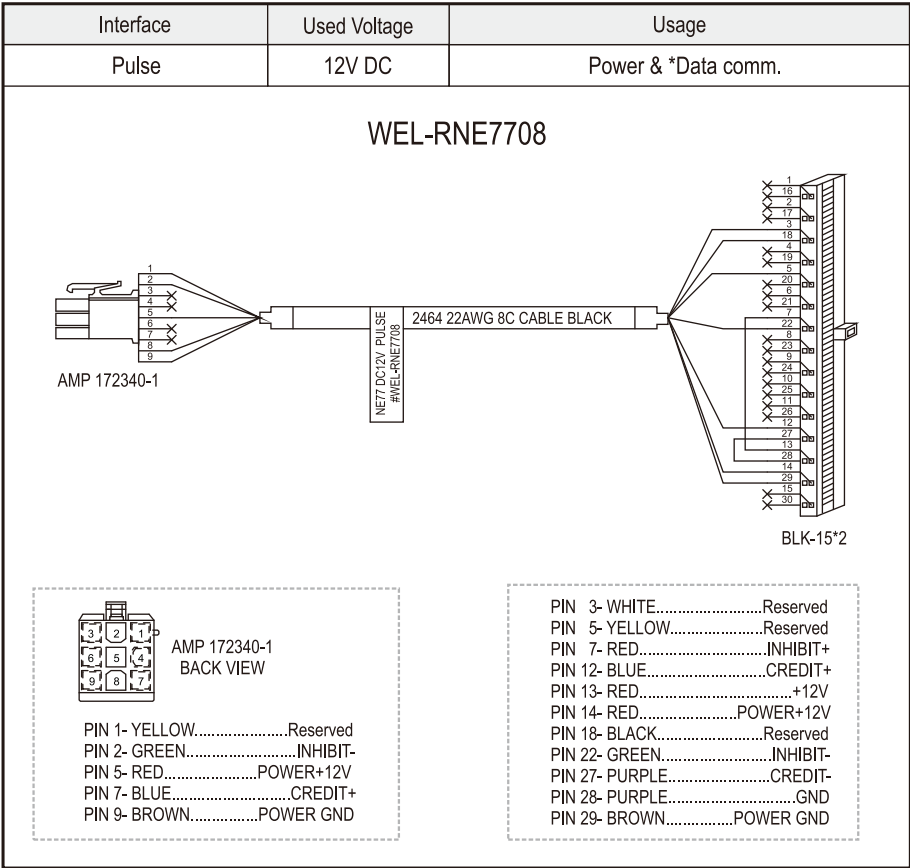
5-1. Harness Application

5-1 TABLE 01

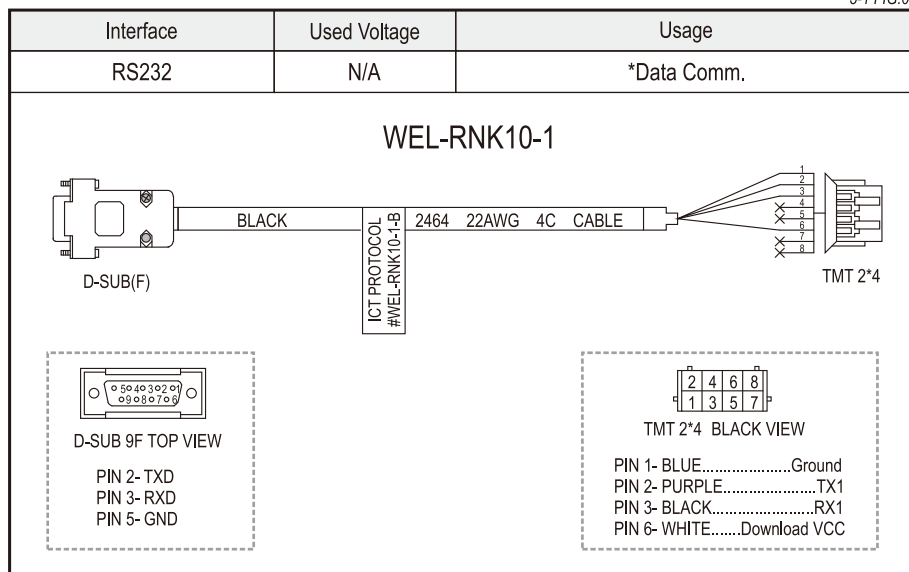
Interface	Used Voltage	Usage	Harness	Page
Pluse	12V DC	Power & *Data comm.	WEL-NE7708	8
RS232	N/A	*Data comm.	WEL-RNK10-1 or 2-BA-RNK10	9

*Date Comm.: Data Communication.

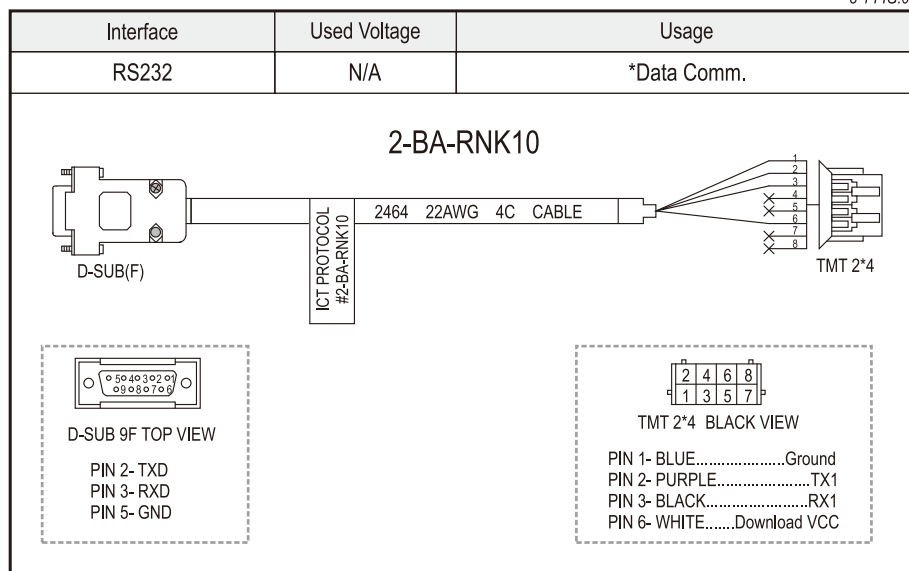
5-1 FIG.01



5-1 FIG.02



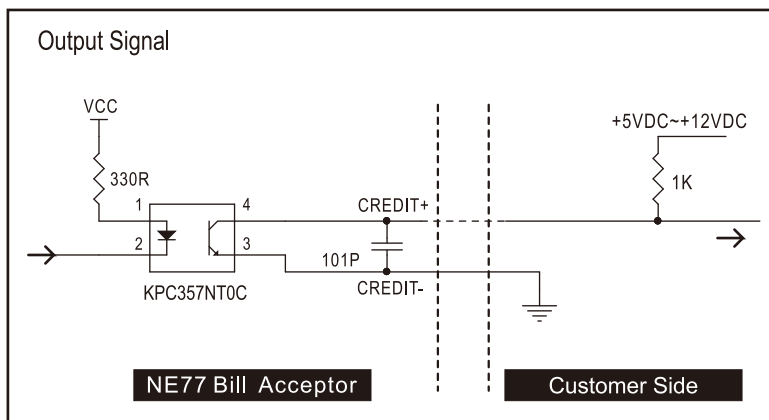
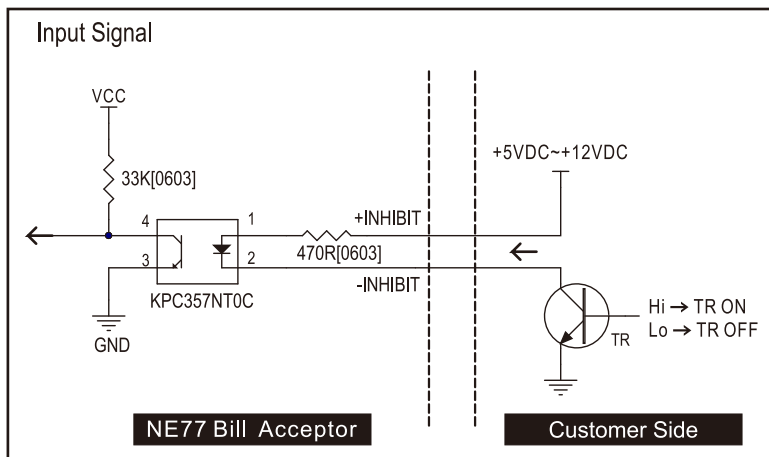
5-1 FIG.03



5-1-1. I/O Circuit

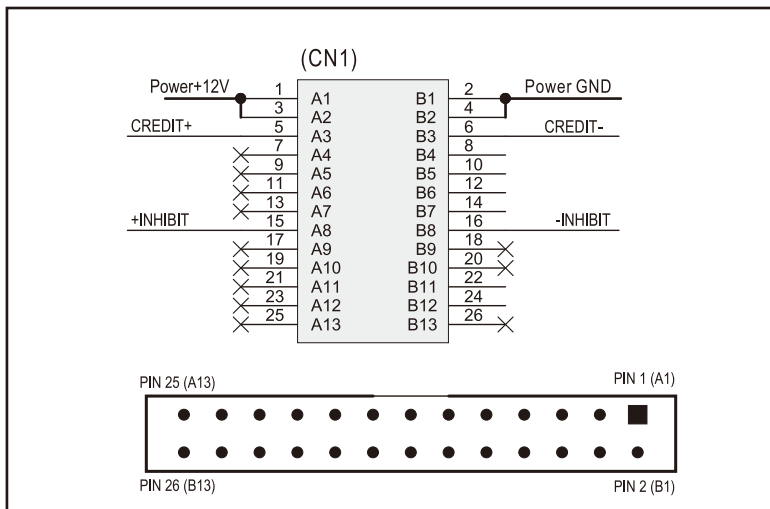
Pulse Interface-1

5-1-1 FIG.01



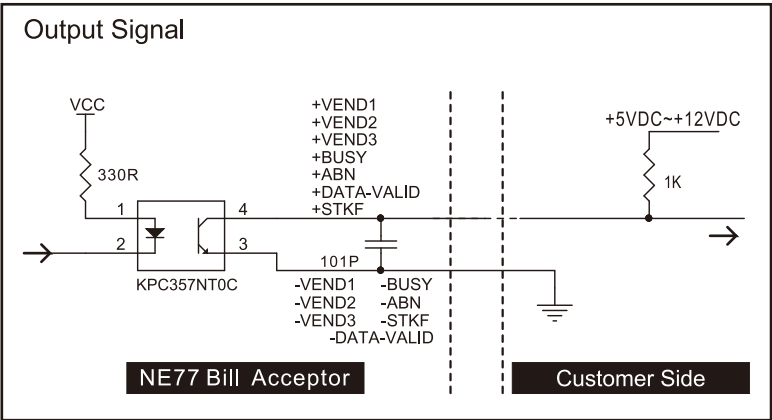
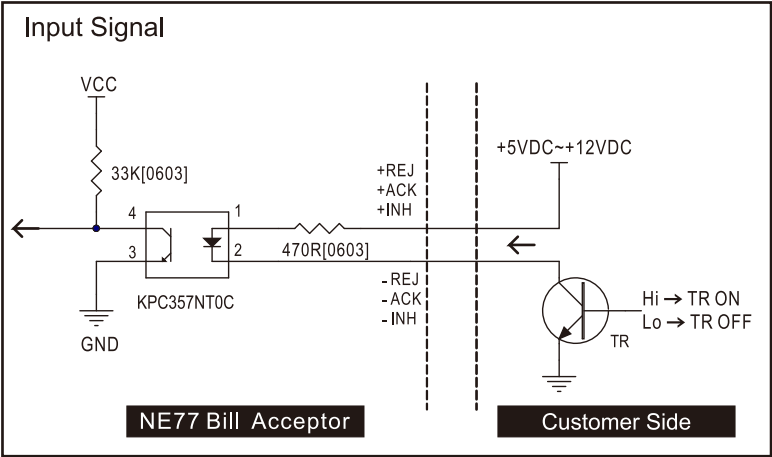
Pulse Interface-2

5-1-1 FIG.01-1



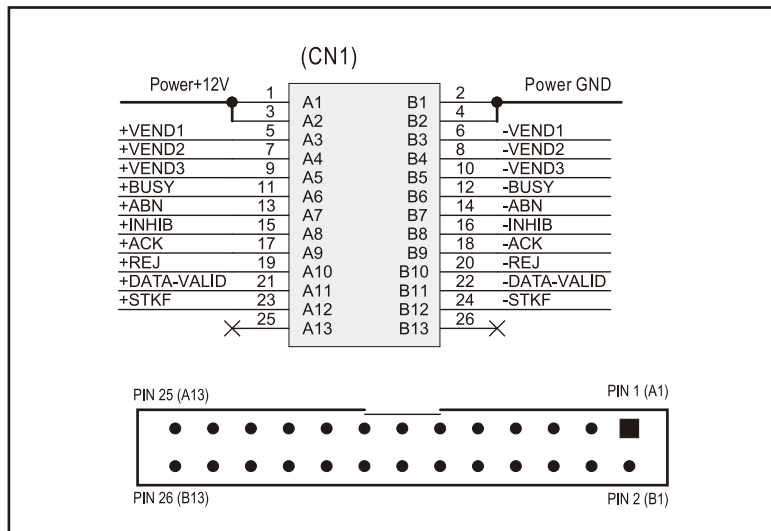
Parallel Interface-1

5-1-1 FIG.02



Parallel Interface-2

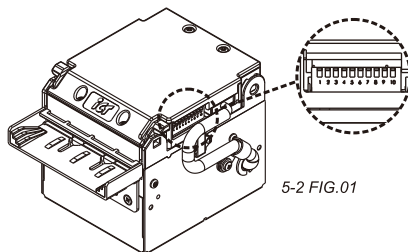
5-1-1 FIG.02-1



5-2. DIP Switch Setting

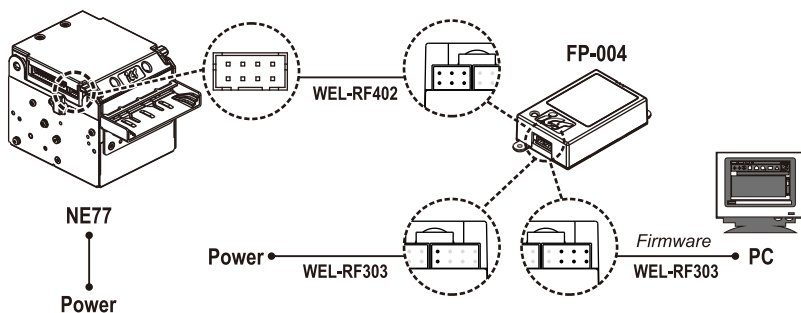
There's a serial DIP switches which is located on the side of NE77. According to different currencies or interfaces which are used by users, DIP switch settings could be varied to fit users' need.

Please refer to "NE77 DIP Switch Setting" Guide in the package for more detail.



5-3. Software Download and Upgrade

To download and upgrade the software to NE77, the programmer (FP-004) is needed. Please contact ICT to purchase FP-004 and refer to FP-004 user guide for software download and upgrade information.



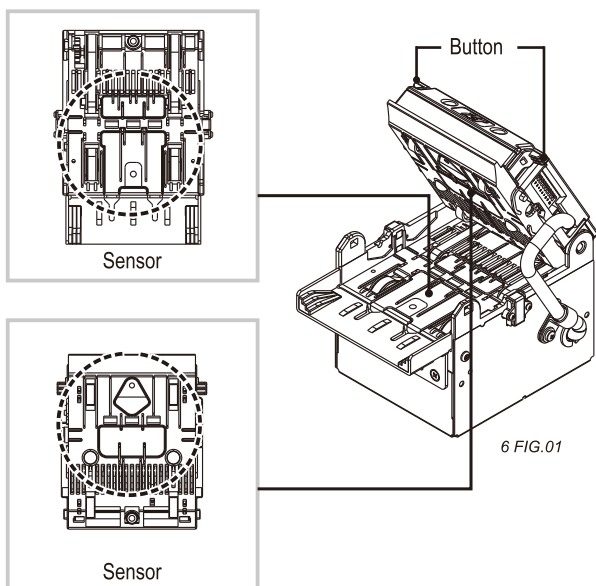
Turn on Bill Acceptor after connecting.

6. Maintenance

To make sure the bill acceptor always works smoothly, please clean the internal parts regularly.

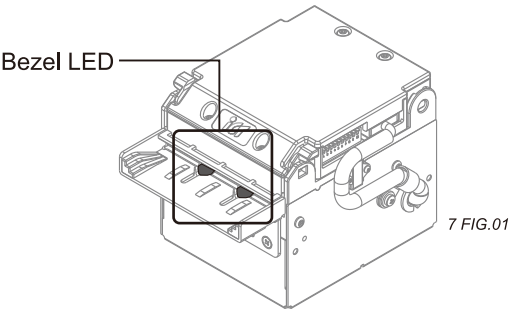
To clean the internal parts:

1. Turn Bill Acceptor off.
2. Press the buttons on the side of bill path and pull the unit out.
3. Use a soft, dry cloth, or towel to clean the bill path and sensors.



	Maintenance Notice <i>(Any improper maintenance will result invalid warranty.)</i>	
	Recommended	Mild, non-abrasive, soap water.
	DO NOT USE	Organic solvent , Alcohol, Volatile liquid.

7. Troubleshooting



7 TABLE 01

Flashes		Status	Corrective Actions
Red	Green		
1	1	Bill Jammed	Open bill path unit and then remove the jammed bill.
2	1	BA Inhibit	Inspect for right DIP switch setting.
3		Judge Sensor / Input Sensor Error	Inspect for foreign objects on sensor or bill path and clean.
3	1	Anti-fishing Sensor Error	Inspect for foreign objects on sensor or bill path and clean.
3	2	Hook Error	Inspect for foreign objects on sensor or bill path and clean.
3	4	Output Sensor Error	Inspect for foreign objects on sensor or bill path and clean.
4	1	Fish	Inspect for foreign objects on sensor or bill path and clean.
7	1	Motor Error	Inspect for foreign objects on sensor or bill path and clean.



If the error can not be solved after corrective actions or happen again, please contact ICT for technical support.



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