

A6-USD4 has one bank of 8 switches
AND one bank of 4 switches

ict

A6/V6 *Series*

Bill Validator
Installation Guide















International Currency Technologies Corp.

A6/V6-USD4

NOTE: Fun Stop Photos does not give change.
Accepting \$1 and \$5 bills, only, is recommended.

 = Fun Stop Photos default setting

	FUNCTION	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8	SW1	SW2	SW3	SW4
	Reject US\$ 1	ON											
★	Accept US\$ 1												
	Reject US\$ 5		ON										
★	Accept US\$ 5												
	Reject US\$ 10			ON									
★	Accept US\$ 10												
	Reject US\$ 20				ON								
★	Accept US\$ 20												
	Reserved					ON							
★	Reserved												
	High Acceptance						ON						
★	High Security												
	Harness Disable												
★	Harness Enable							OFF					
	Inhibit Active High												
★	Inhibit Active Low								OFF				
★	1 pulse / one dollar												
	2 pulse / one dollar									ON	OFF		
	4 pulse / one dollar									OFF	ON		
	20 pulse / one dollar									ON	ON		
★	Pulse Speed	50ms on / 50ms off											
		60ms on / 300ms off										ON	OFF
		30ms on / 50ms off										OFF	ON
		150ms on / 150ms off										ON	ON

Note : (1) Reset the bill acceptor after setting the dip switch.

(2) SW7 and SW8 of the 8-switch DIP and the 4-switch DIP are for pulse protocol only.

See www.teamplayinc.com for Tech Support.

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1. Introduction

1-1. Overview

A6/V6 Series is a bill acceptor which features not only high-security module with bill box but also outstanding recognition, acceptance rate up to 96% or even greater.

1-2. Features

- Four way bill insertion acceptance.
- Auto-calibrating.
- Numerous interfaces available.
- Easily Install & Maintain.

2. Specifications

Common

Acceptance Rate

96% or greater

Identification Time

Approx. 3 seconds
(From bill insert to stack.)

Electrical

Power Source

A6: 12V DC \pm 5%
117V AC \pm 10%

V6: 34V DC \pm 5%

Power Consumption

50 watts maximum

Mechanical

Outline Dimension

See Page.2

Weight

Approx. 2kg (shipping)

Interface

A6: STD Pulse, 5V Enable
ICT Protocol

V6: MDB

Bill Insertion

Four-way acceptance

Operation Environment

Operation Temperature: 0°C~55°C
Storage Temperature: -30°C~70°C
Humidity: 30%~85RH
(no condensation)

Bill Capacity

Approx. 300 bills (200~ 300)
500 bills (300~ 500)
800 bills (750~ 850)
1000 bills (1000~1140)

3. Packing List

Main

Bill Acceptor

Accessory

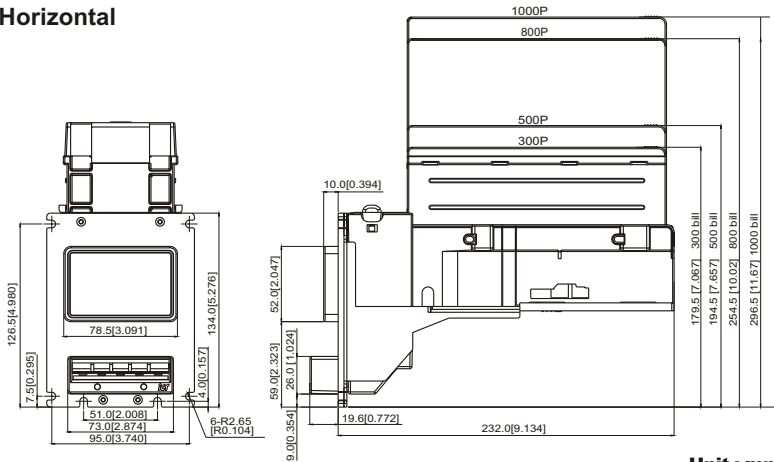
Harnesses: see Page.3

A6/V6 Installation Guide

A6/V6 DIP Switch Setting Guide

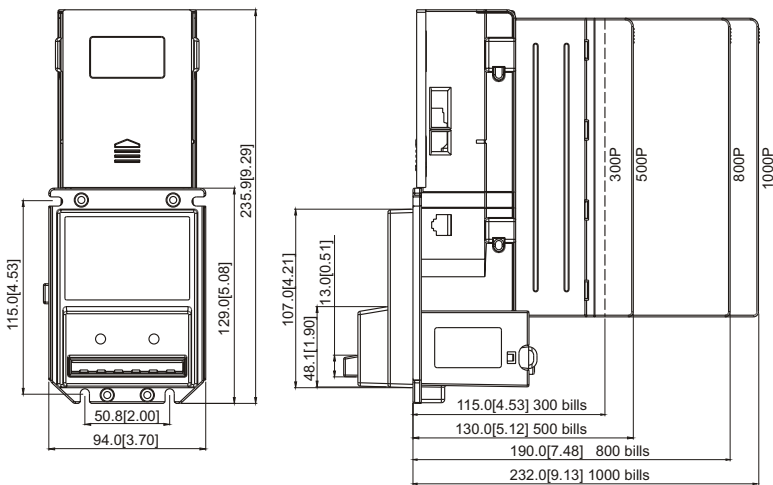
4. Dimension

◆Horizontal



Unit : mm [inch]

◆Vertical



Unit : mm [inch]

5. Installation

5-1. Harness Application

Bill Acceptor:

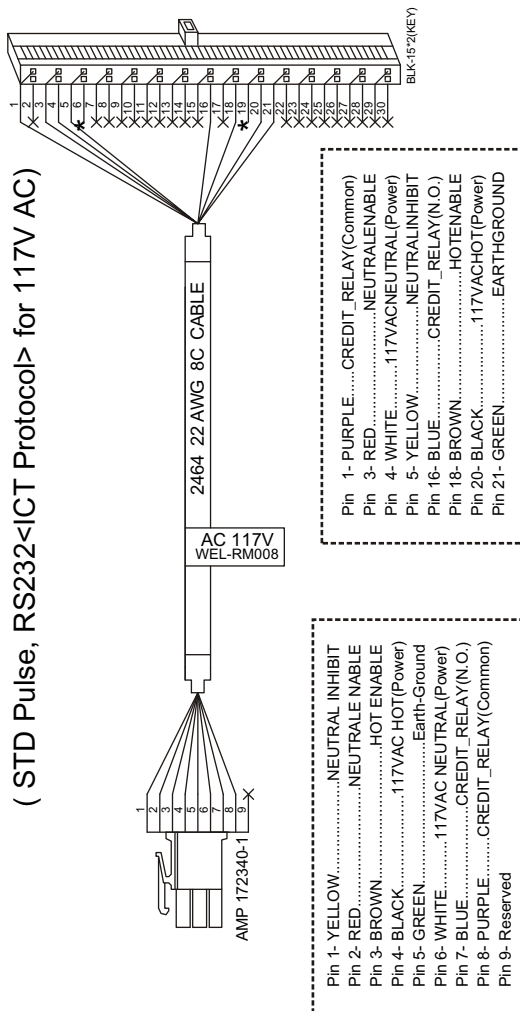
Mode	Interface	Used Voltage	Cable No.	Page
A6	STD Pulse	117V AC	WEL-RM008	4
			WEL-RM012	5
		12V DC	WEL-RM007	6
			CU-R961-1	7
	5V ENABLE	117V AC	WEL-RM017	8
			WEL-RM018	9
	RS232 for ICT Protocol	12V DC	WEL-RM007	6
			CU-R961-1	7
			WEL-RV706	10
		117V AC	WEL-RM008	4
			WEL-RM012	5
			WEL-RV706	10
V6	MDB	34V DC	WEL-RM006	11

Programmer (Refer to 5-3):

Model	Function	Harness	Page
FP-001	Download & Upgrade	WEL-RM009	12
		WEL-R087	13

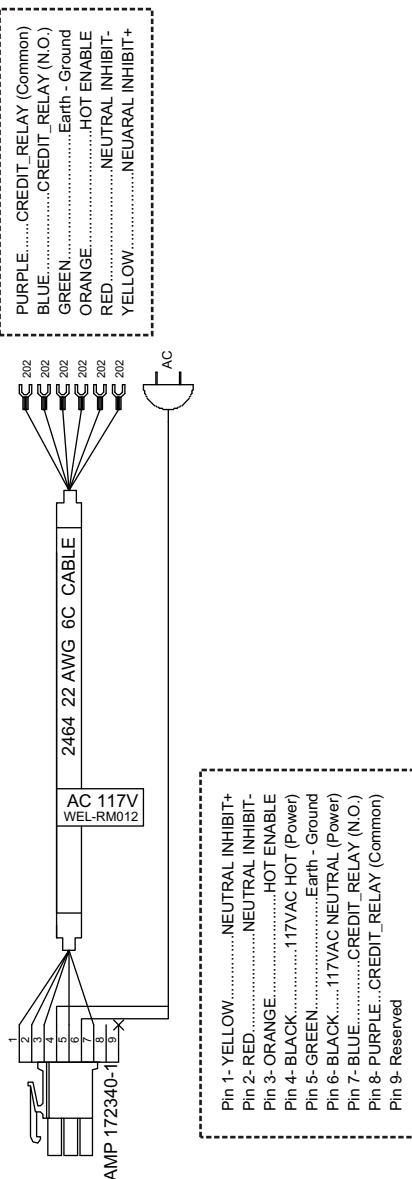
WEL-RM008

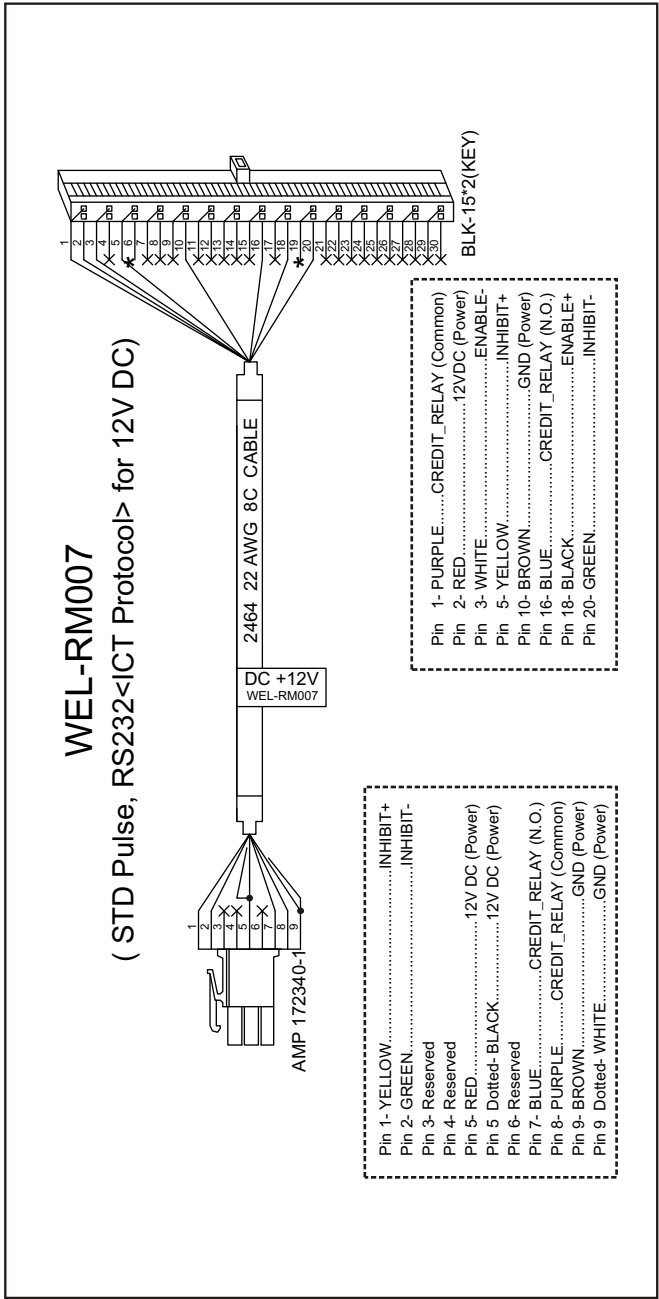
(STD Pulse, RS232<ICT Protocol> for 117V AC)



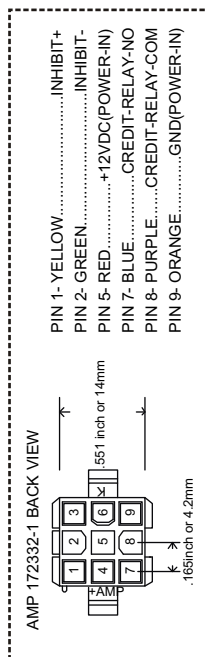
WEL-RM012

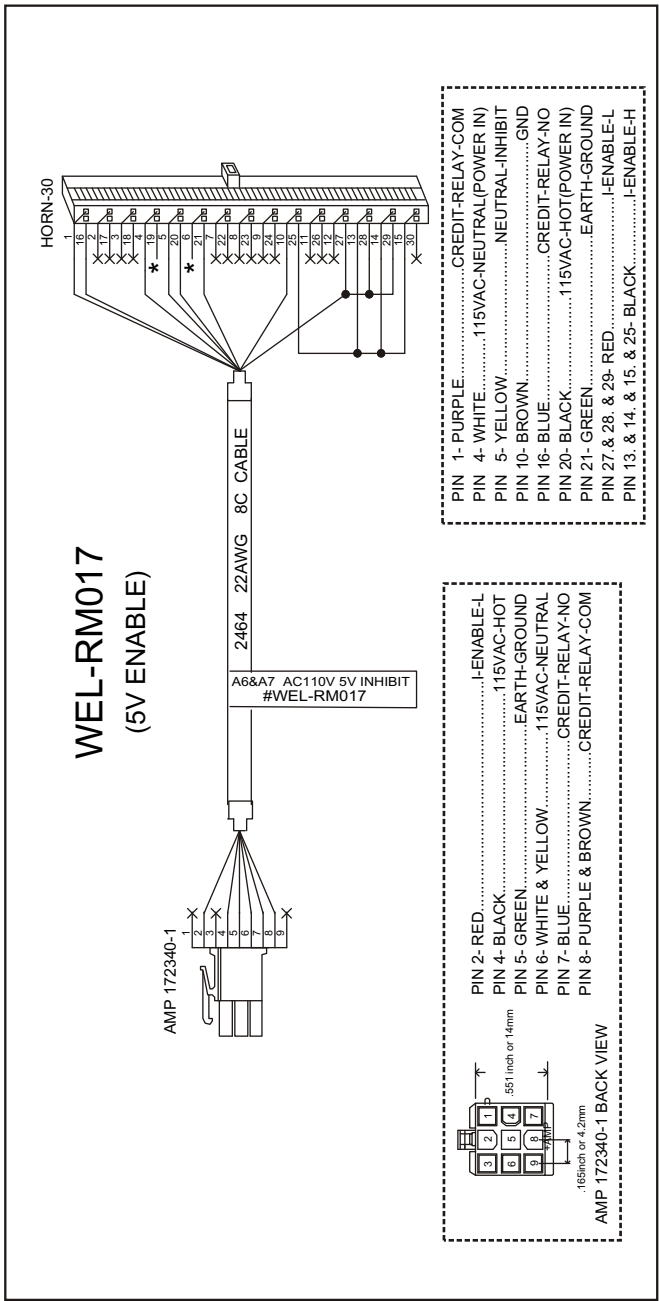
(STD Pulse, RS232<ICT Protocol> for 117V AC)

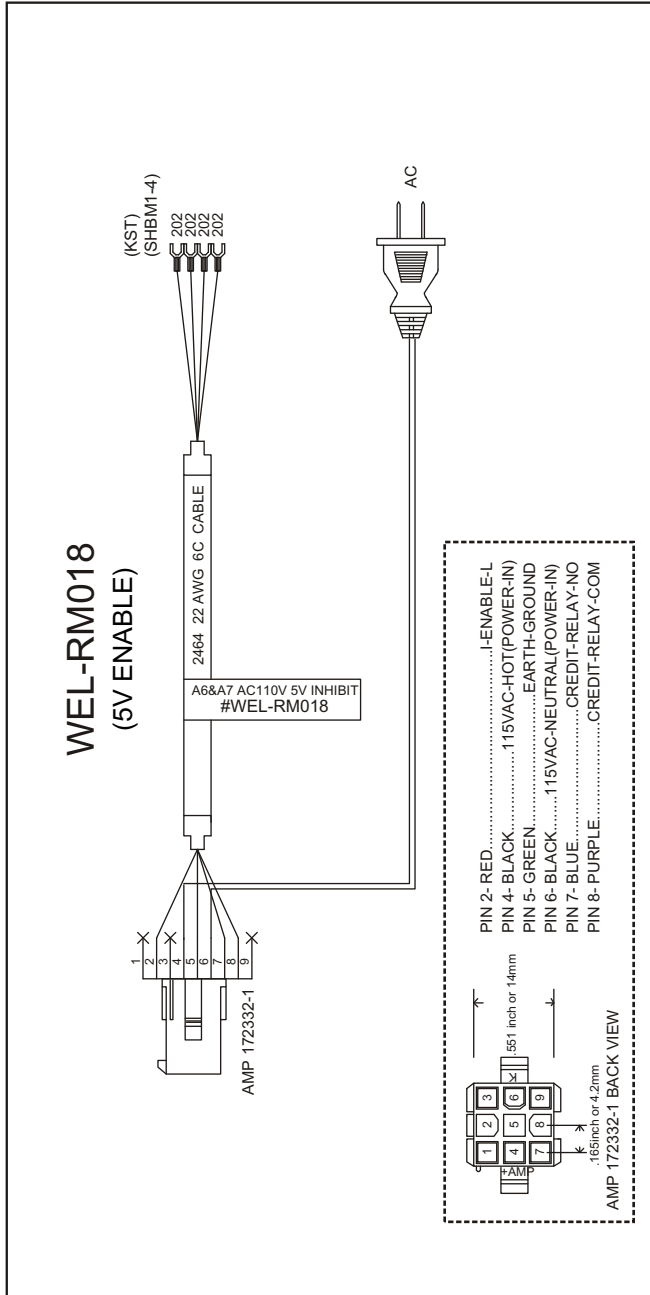




CU-R961-1 (STD Pulse, RS232<ICT Protocol> for 12V DC)

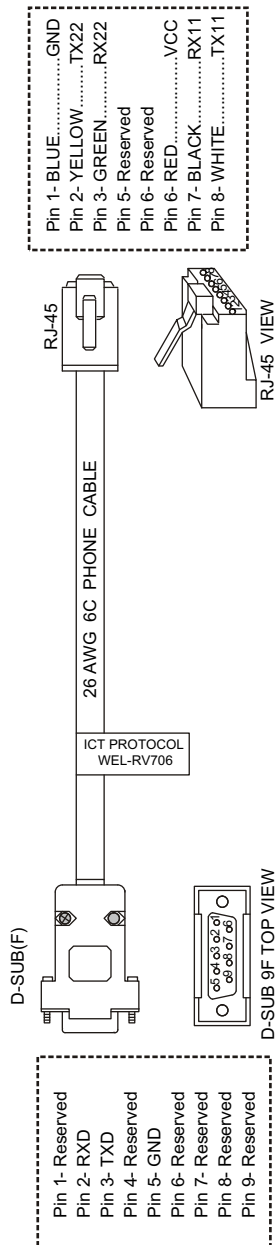


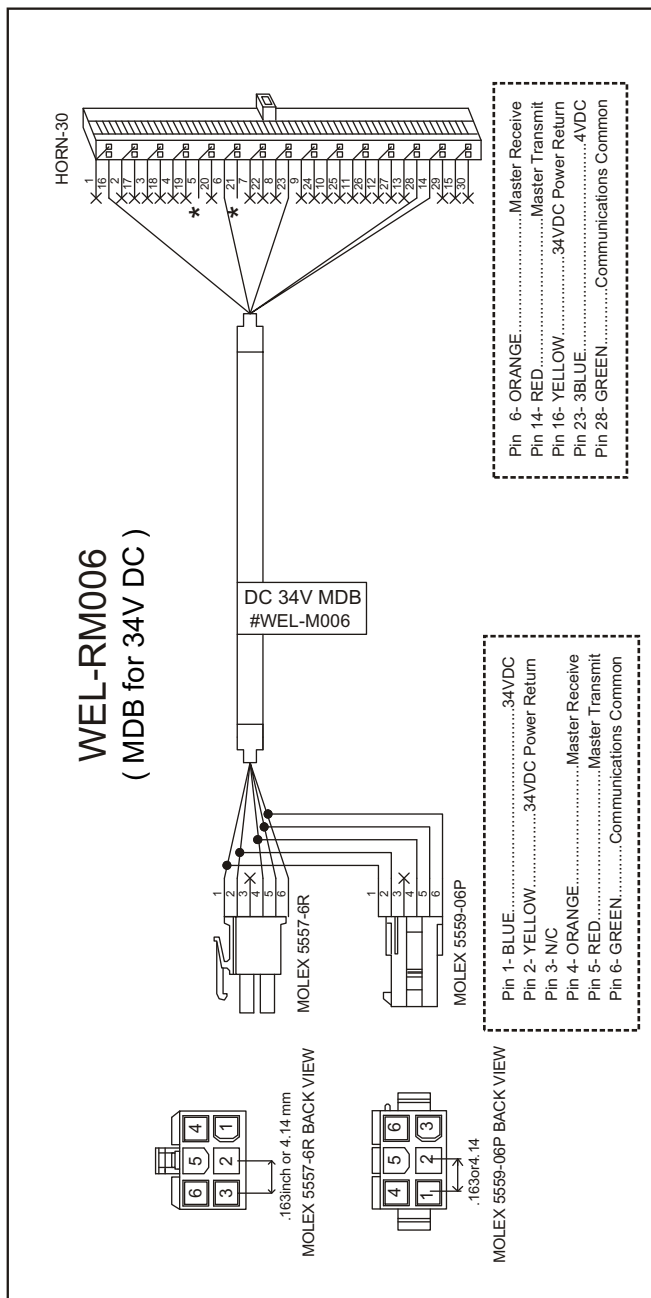


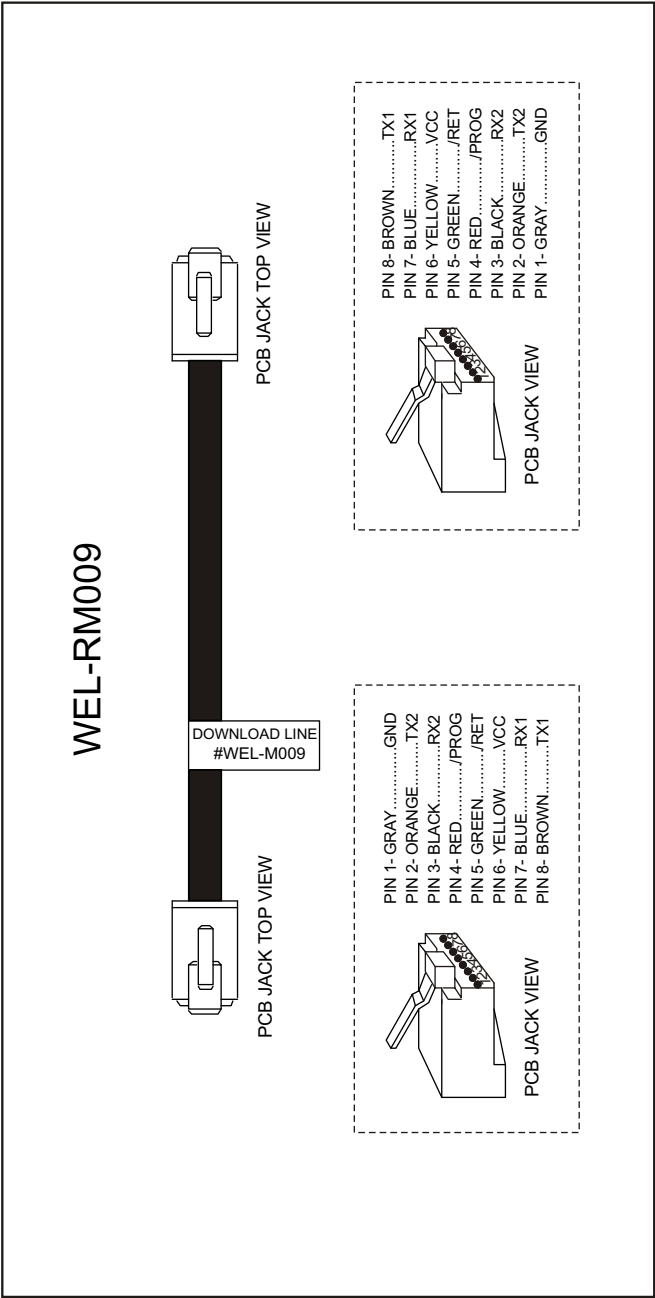


WEL-RV706

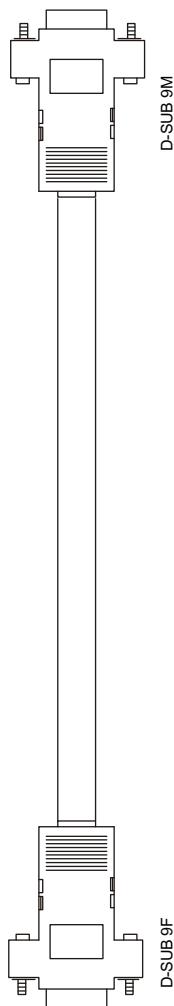
(RS232 for ICT Protocol)



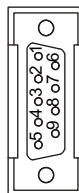




WEL-R087

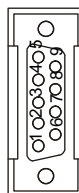


PIN 1- BROWN
 PIN 2- RED.....TX
 PIN 3- ORANGE.....RX
 PIN 4- YELLOW
 PIN 5- GREEN.....GND
 PIN 6- BLUE
 PIN 7- PURPLE
 PIN 8- GRAY
 PIN 9- BLACK



D-SUB 9F TOP VIEW

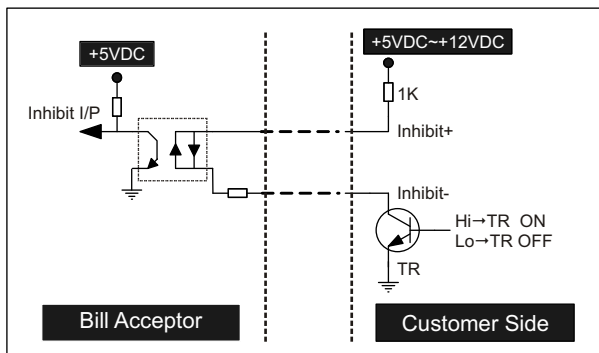
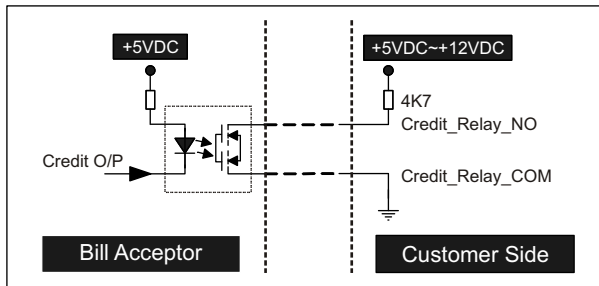
PIN 1- BROWN
 PIN 2- RED.....TX
 PIN 3- ORANGE.....RX
 PIN 4- YELLOW
 PIN 5- GREEN.....GND
 PIN 6- BLUE
 PIN 7- PURPLE
 PIN 8- GRAY
 PIN 9- BLACK



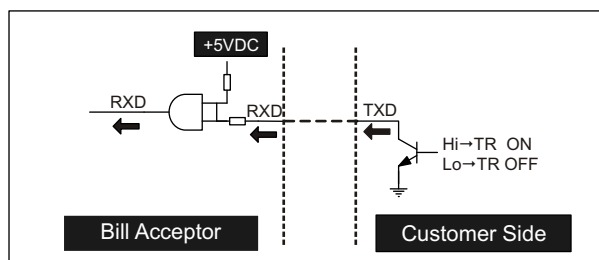
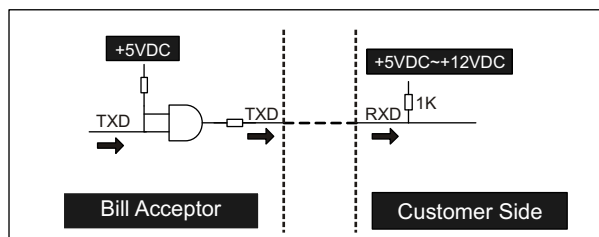
D-SUB 9M TOP VIEW

5-1-1. I/O Circuit

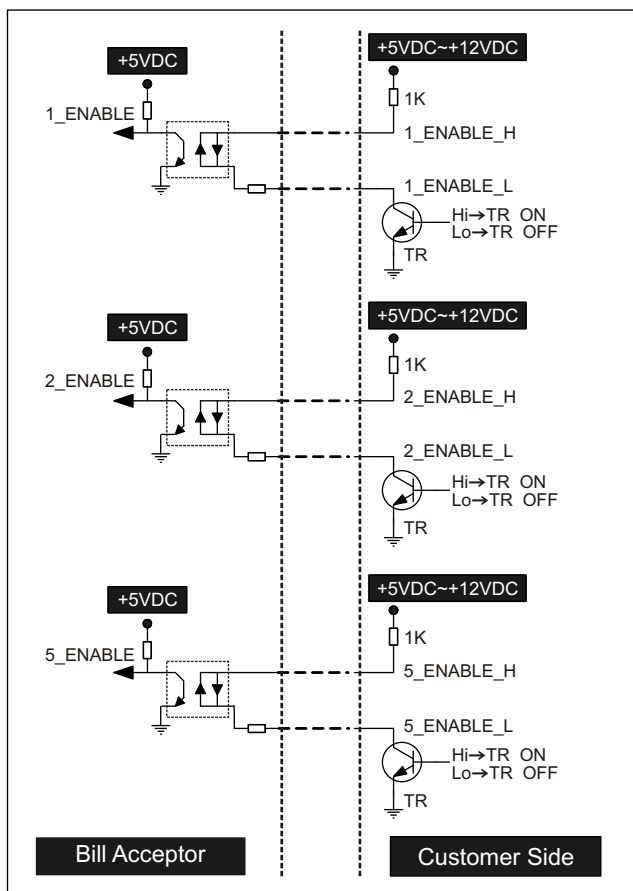
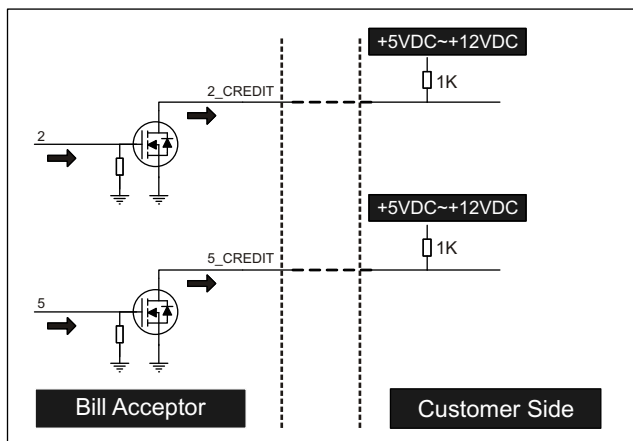
Pulse



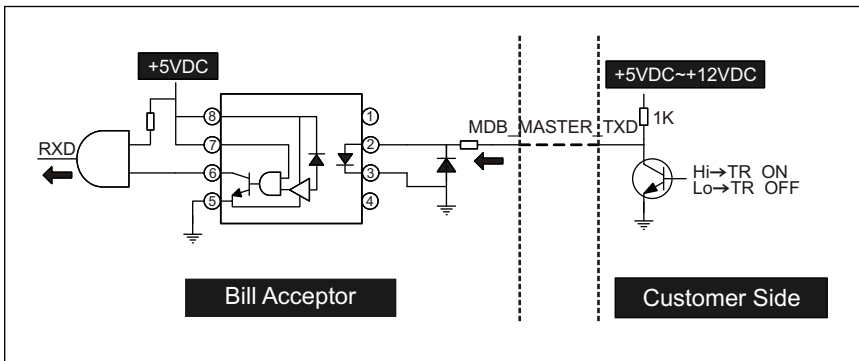
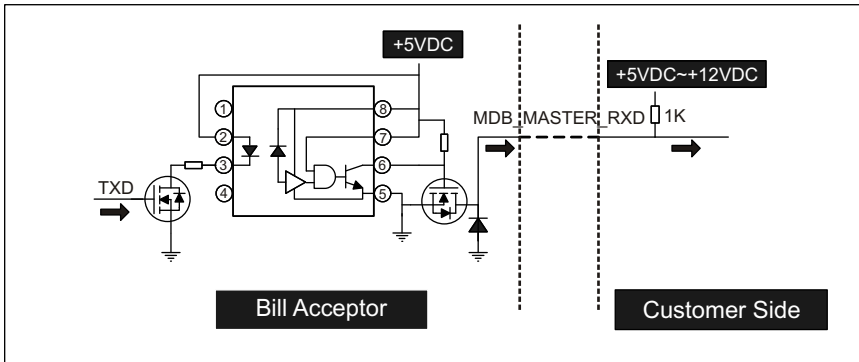
ICT-Protocol



5V Enable



MDB

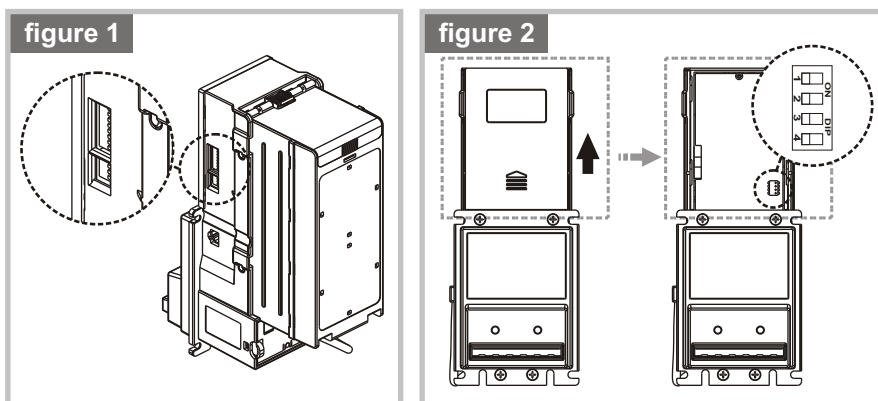


5-2. DIP Switch Setting

There are two serial DIP switches which are located on the side of A6/V6 Series (as **figure 1**). According to different currencies which are used by users, DIP switch settings could be varied to fit users' need.

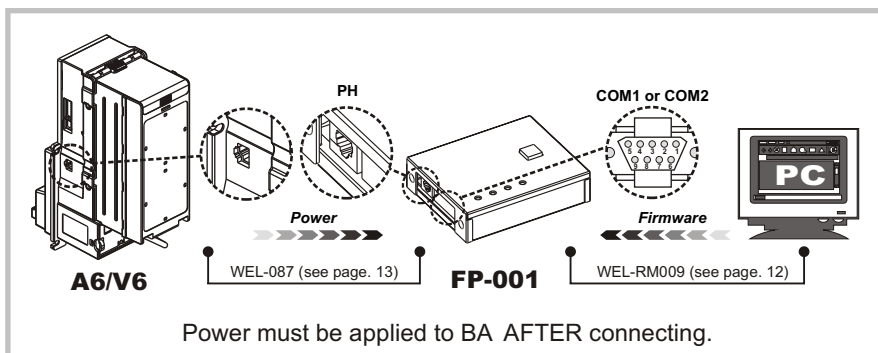
Besides, there's also a serial DIP switches on CPU board inside of A6/V6 Series for interface settings.(as **figure 2**)

Please refer to "A6/V6 Series DIP Switch Setting" Guide in the package for more detail.



5-3. Software Download and Upgrade

To download and upgrade the software to A6/V6 Series, the programmer (FP-001) is needed. Please contact ICT to purchase FP-001 and refer to FP-001 user guide for software download and upgrade information.

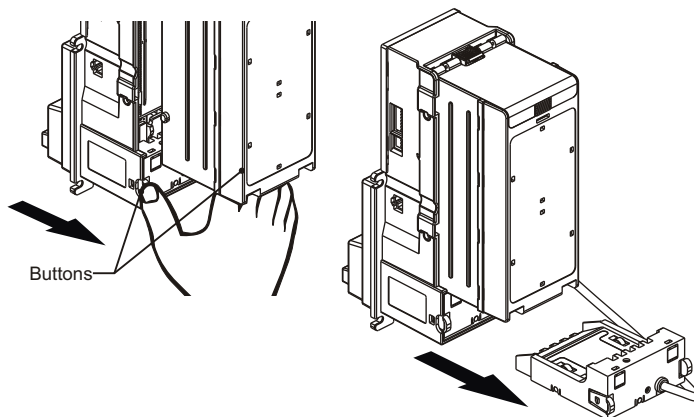


6. Maintenance

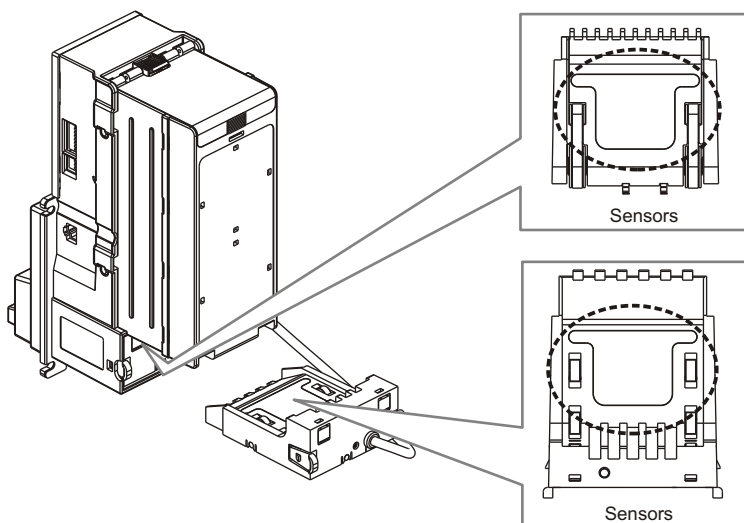
To make sure the bill acceptor always works smoothly, please clean the internal parts every two weeks to every two months.

To clean the internal parts:

1. Press the buttons on the sides of bill path unit and pull the unit out.

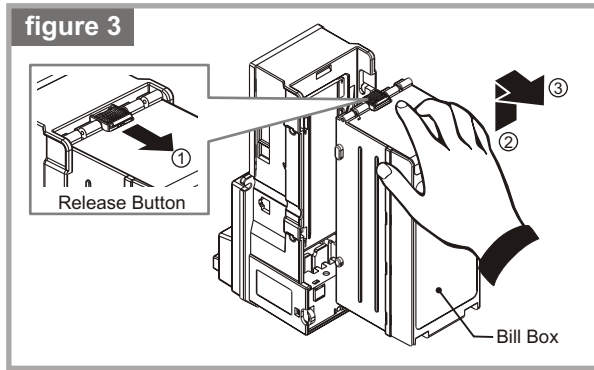
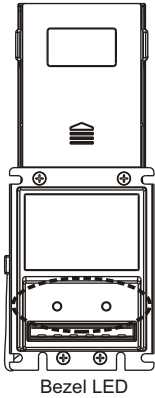


2. Use a soft, dry cloth or towel to clean the bill path and sensors.



Do not use an organic solvent such as gasoline or paint thinner to clean the unit.

7. Trouble Shooting



LED Flashes	Status	Corrective Actions
1	Bill jammed.	Remove the bill box by sliding the top button and the bill path unit (as figure 3), and then remove the jammed bill.
3	Recognition sensor error.	Inspect for foreign objects on sensor or bill path and clean.
3+2	Hook sensor error.	Inspect for foreign objects on security hook and clean.
3+5 (Optional)	Out sensor error.	Inspect for foreign objects on sensor or bill path and clean.
2	Disable	Inspect for right DIP switch setting.
5	Bill box has been removed.	Replace the bill box.
6	Stacker error or stacker full.	Empty the bill box.
7	Motor error.	Inspect for foreign objects on 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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