



Bill Acceptor

A6 / V6

Installation Guide *Series*



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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

General

Acceptance Rate	96 % or greater
Bill Insertion	Four way acceptable
Transaction Speed	Approx. 3 seconds to stack
Interface	A6- STD Pulse, 5V ENABLE, ICT Protocol, Single price. V6- MDB

Electrical

Power Source	A6- 12V DC(11.4~12.6V DC) 117V AC(105.3~128.7V AC) V6- 24V/34V DC(20V~42.5V DC)
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Power Consumption	A6- 12V DC	Standby : 0.3A, 4W Operation: 0.9A, 11W Maximum: 2.6A, 32W
	117V AC	Standby : 0.06A, 7W Operation: 0.112A, 14W Maximum: 0.4A, 47W
	V6- 24V/34V DC	Standby : 0.15A, 6W Operation: 0.4A, 14W Maximum: 1.35A, 46W
Operation Environment	Operation Temperature: 0°C~55°C Storage Temperature : -30°C~70°C Humidity: 30%~85% RH(no condensation)	

Mechanical

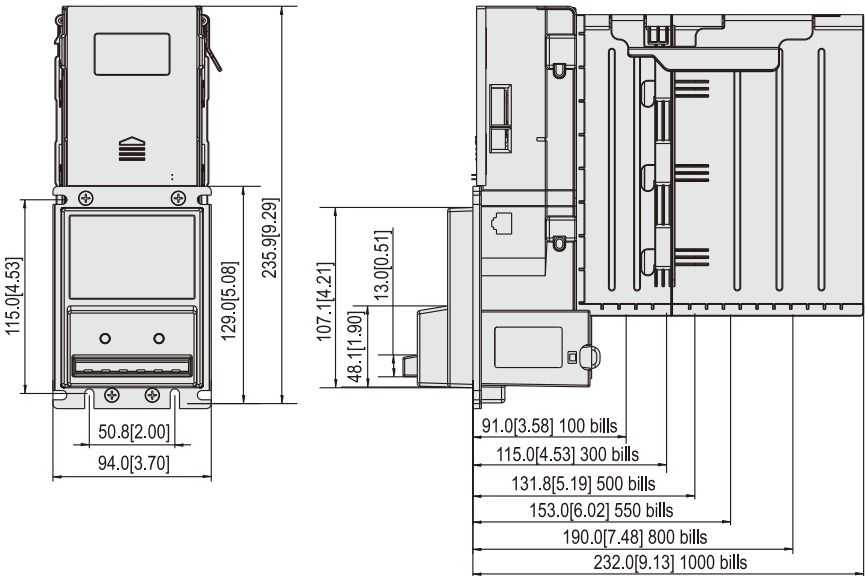
Bill Capacity	Approx. 100 bills(40~ 140) 300 bills(200~ 300) 500 bills(300~ 500) 550 bills(440~ 640) 800 bills(750~ 850) 1000 bills(1000~1140)
Bill Width Accepted	60~67 mm
Weight	Approx. 2kg(shipping)
Installation	Indoor

3. Packing List

Main	Bill Acceptor
Accessory	Harnesses: Refer to 5-1 A6/V6 Installation Guide A6/V6 Switches Setting Guide

4. Dimension

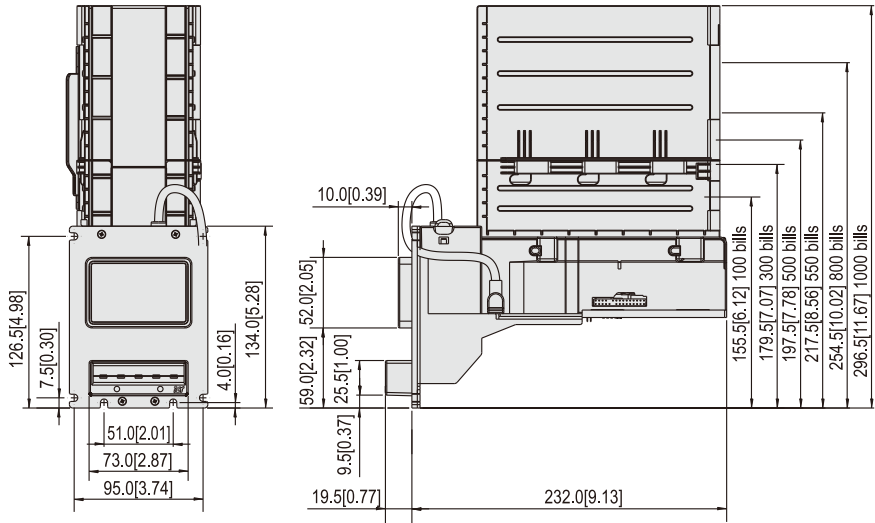
Vertical



Unit : mm [inch]

4 FIG. 01

Horizontal



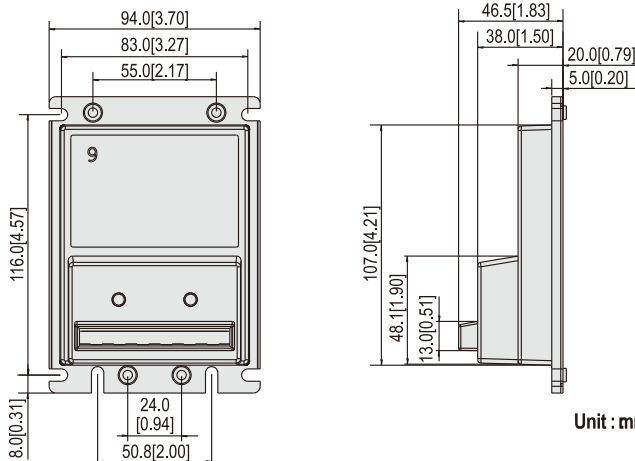
Unit : mm [inch]

4 FIG. 02

4-1. Bezel Styles

Standard bezel

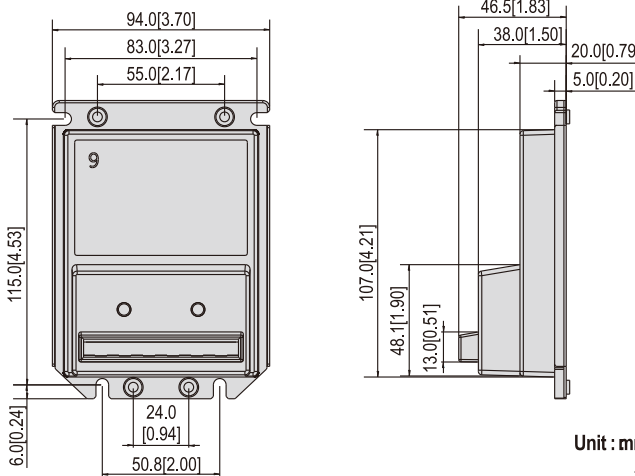
Part Number: 3RMB-FAC01001



4-1 FIG.01

Fitted bezel

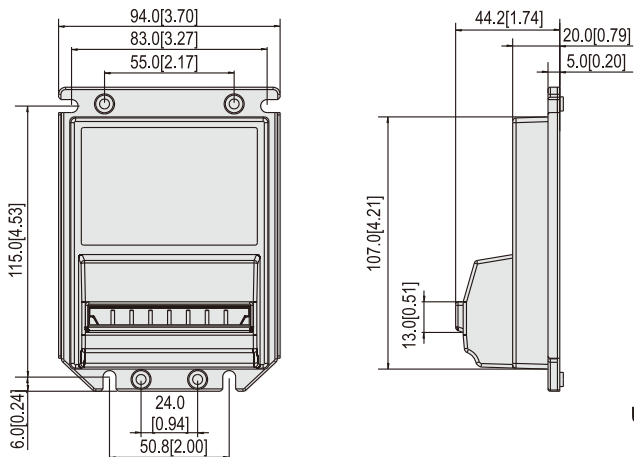
Part Number: 3RMB-FAC02000



4-1 FIG.02

Anti-coin Bezel

Part Number: 3RMB-FAC16002

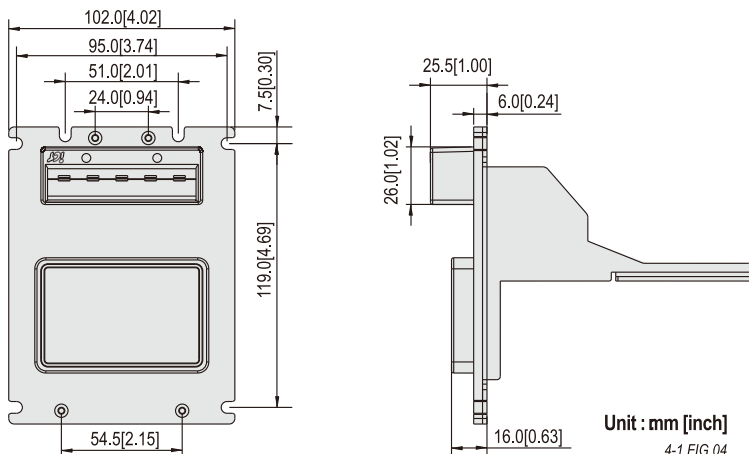


Unit : mm [inch]

4-1 FIG.03

Horizontal Bezel

Part Number: 3RMB-FAC10000

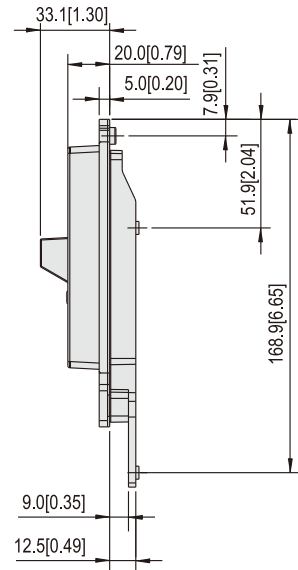
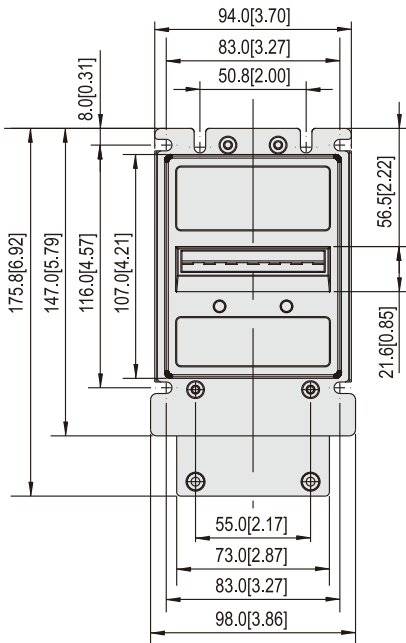
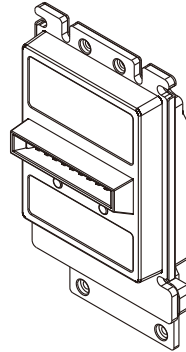
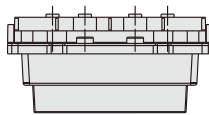


Unit : mm [inch]

4-1 FIG.04

For VFM bezel

Part Number: 3RMB-FAC23000



Unit : mm [inch]

4-1 FIG.05

5. Installation

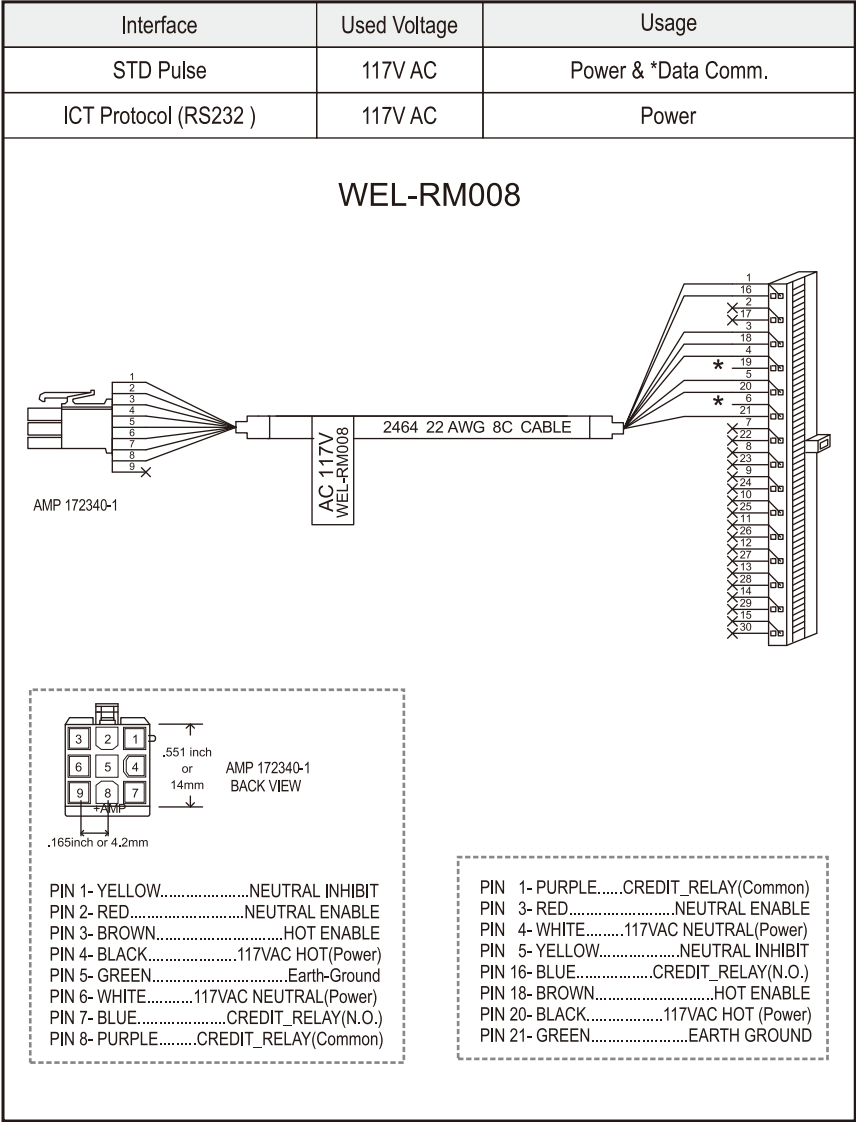
5-1. Harness Application

5-1 TABLE 01

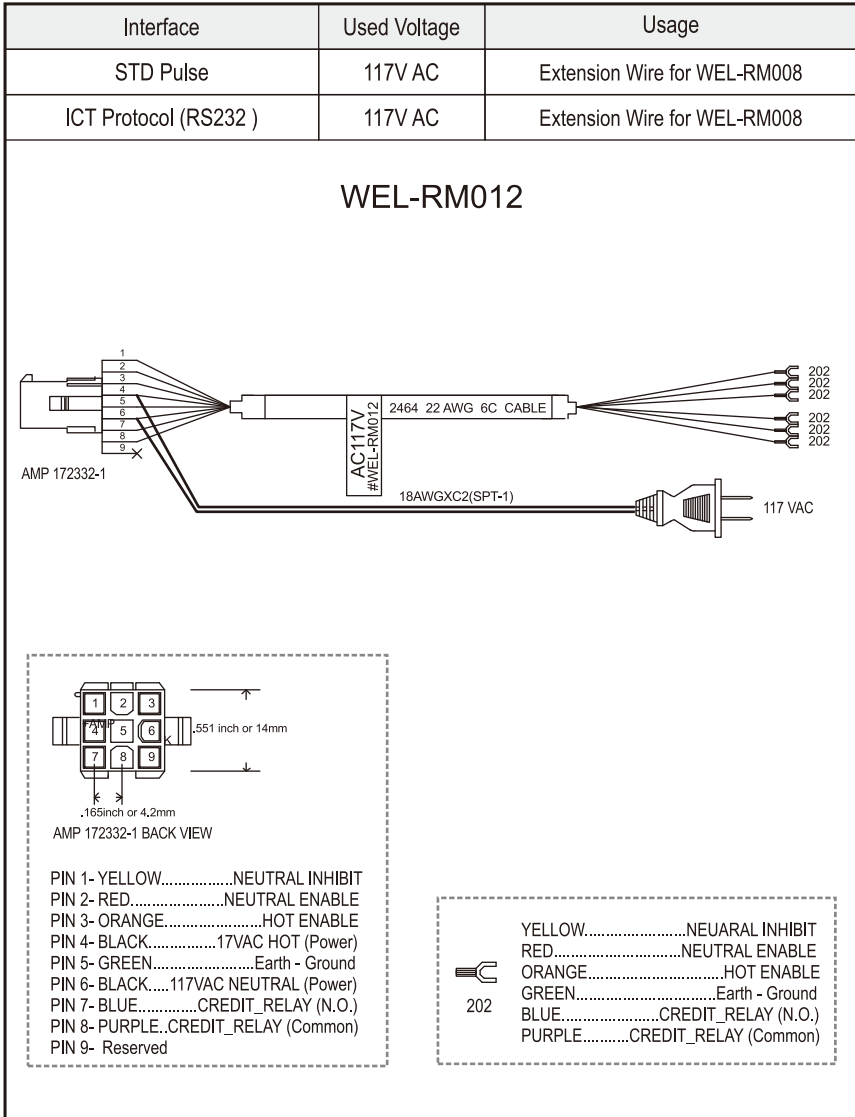
Model	Interface	Used Voltage	Usage	Harness	Page
A6	STD Pulse	117V AC	Power & *Data Comm.	WEL-RM008	10
			Extension Wire	WEL-RM012	11
		12V DC	Power & *Data Comm.	WEL-RM007	12
			Extension Wire	CU-R961-1	13
	5V Enable	117V AC	Power & *Data Comm.	WEL-RM017	14
			Extension Wire	WEL-RM018	15
	ICT Protocol (RS232)	12V DC	Power	WEL-RM007	12
			Extension Wire	CU-R961-1	13
			*Data Comm.	WEL-RV706-1 or 2-BA-RV706	16
		117V AC	Power	WEL-RM008	10
			Extension Wire	WEL-RM012	11
			*Data Comm.	WEL-RV706-1 or 2-BA-RV706	16
	Single Price	117V AC	Power & *Data Comm.	WEL-RM031	18
V6	MDB	24V/34V DC	Power & *Data Comm.	WEL-RM006	17

*Data Comm. : Data Communication.

5-1 FIG.01



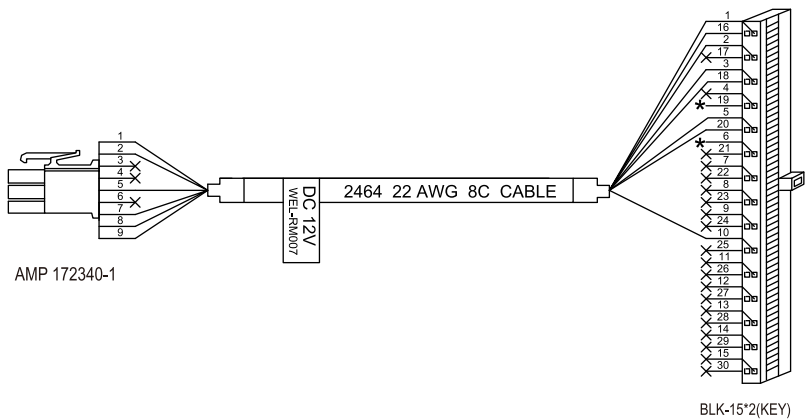
5-1 FIG.02



5-1 FIG. 03

Interface	Used Voltage	Usage
STD Pulse	12V DC	Power & *Data Comm.
ICT Protocol (RS232)	12V DC	Power

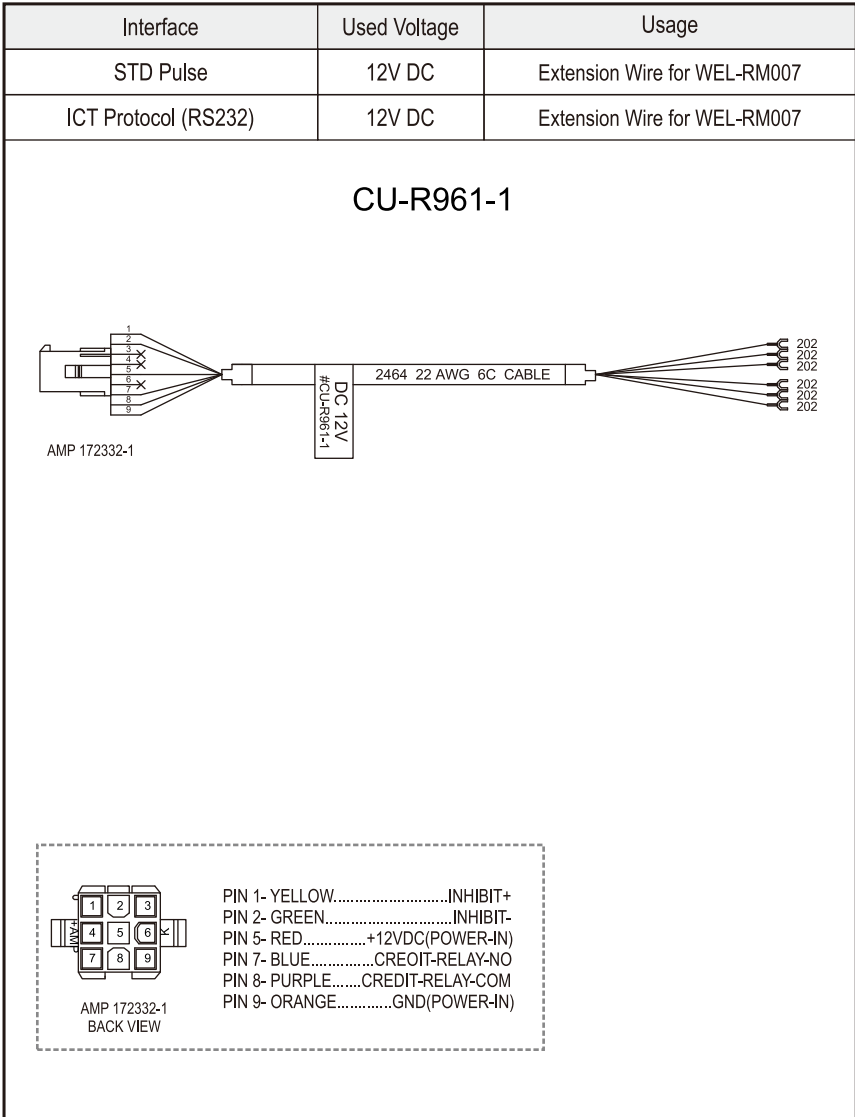
WEL-RM007

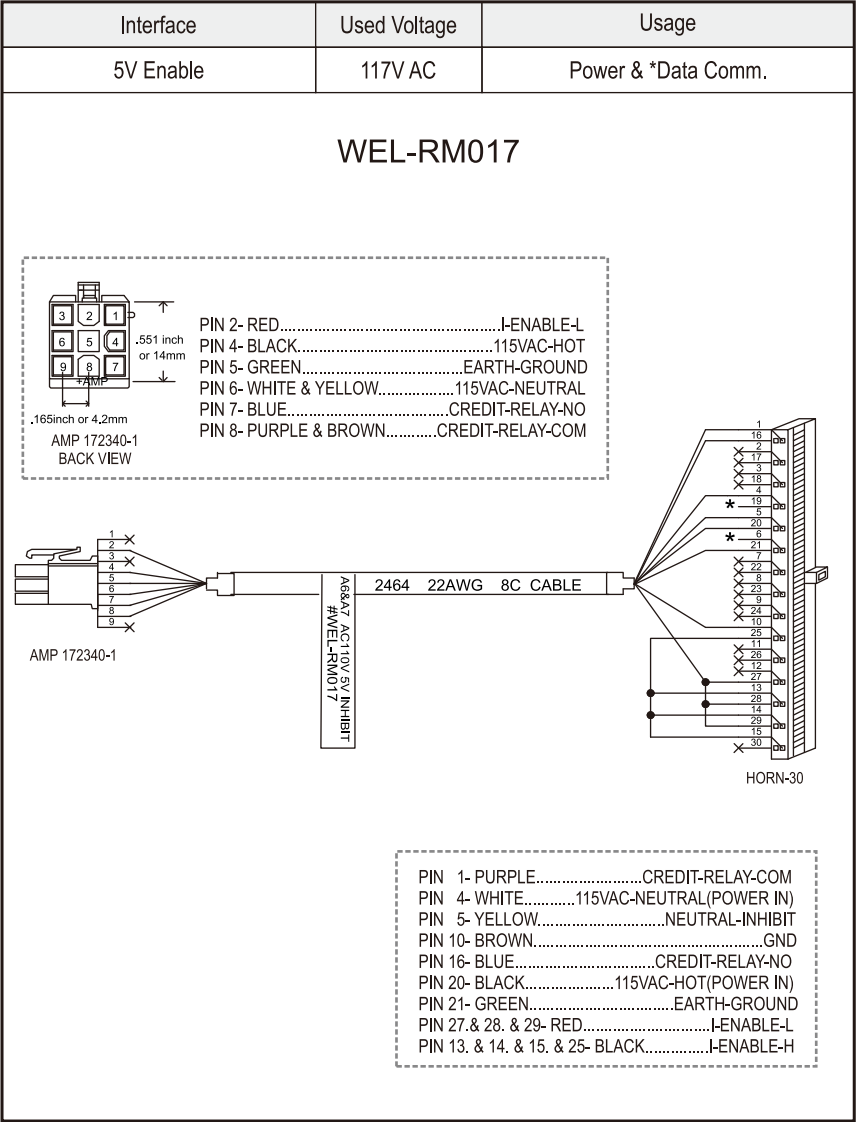


PIN 1- YELLOW.....	INHIBIT+
PIN 2- GREEN.....	INHIBIT-
PIN 3- RESERVED	
PIN 4- RESERVED	
PIN 5- RED.....	12V DC (POWER)
PIN 5 DOTTED- BLACK.....	12V DC (POWER)
PIN 6- RESERVED	
PIN 7- BLUE.....	CREDIT_RELAY (N.O.)
PIN 8- PURPLE.....	CREDIT_RELAY (COMMON)
PIN 9- BROWN.....	GND (POWER)
PIN 9 DOTTED- WHITE.....	GND (POWER)

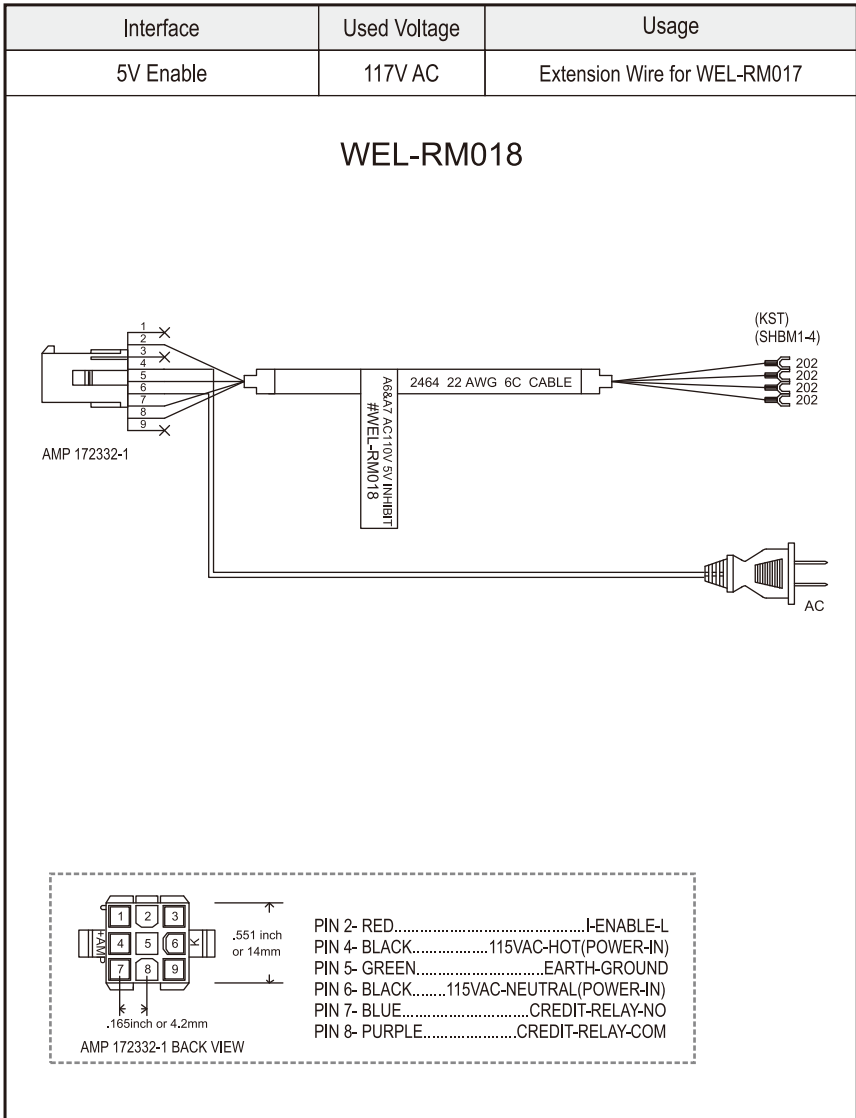
PIN 1- PURPLE.....	CREDIT_RELAY (COMMON)
PIN 2- RED.....	12VDC (POWER)
PIN 3- WHITE.....	ENABLE-
PIN 5- YELLOW.....	INHIBIT+
PIN 10- BROWN.....	GND (POWER)
PIN 16- BLUE.....	CREDIT_RELAY (N.O.)
PIN 18- BLACK.....	ENABLE+
PIN 20- GREEN.....	INHIBIT-

5-1 FIG. 04

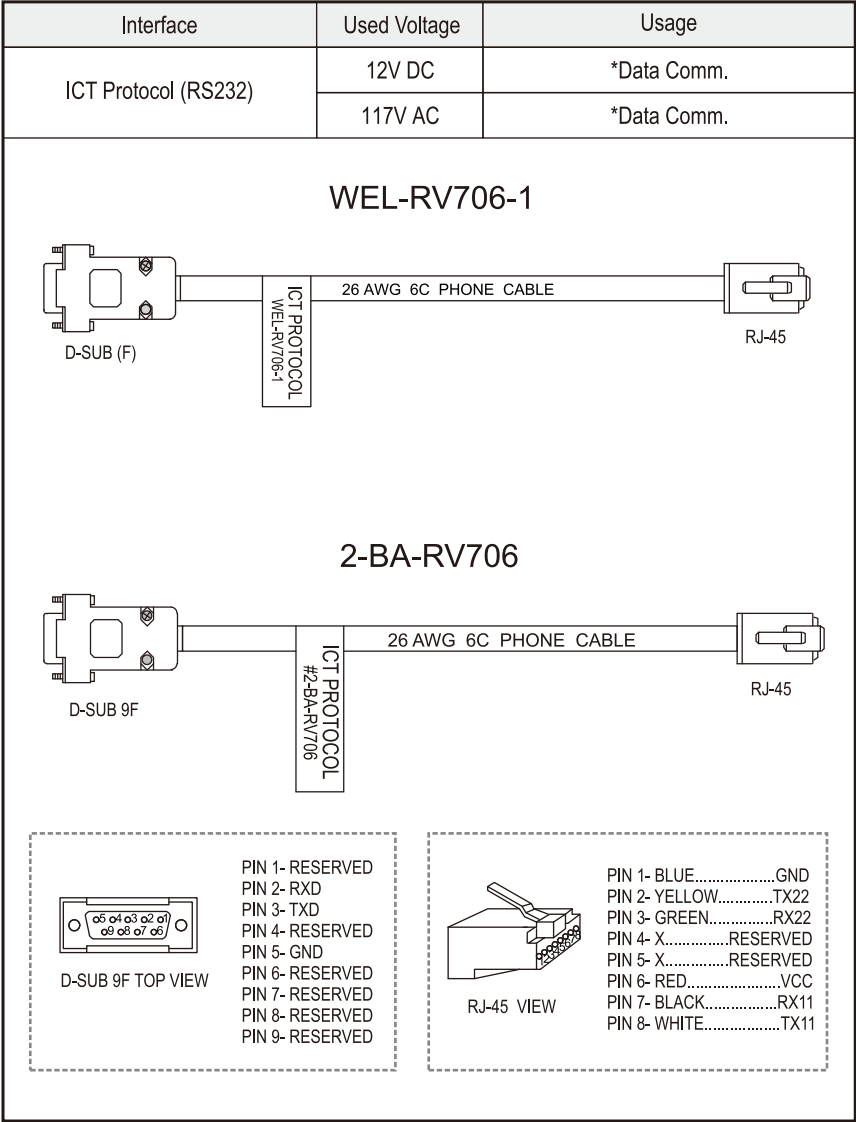




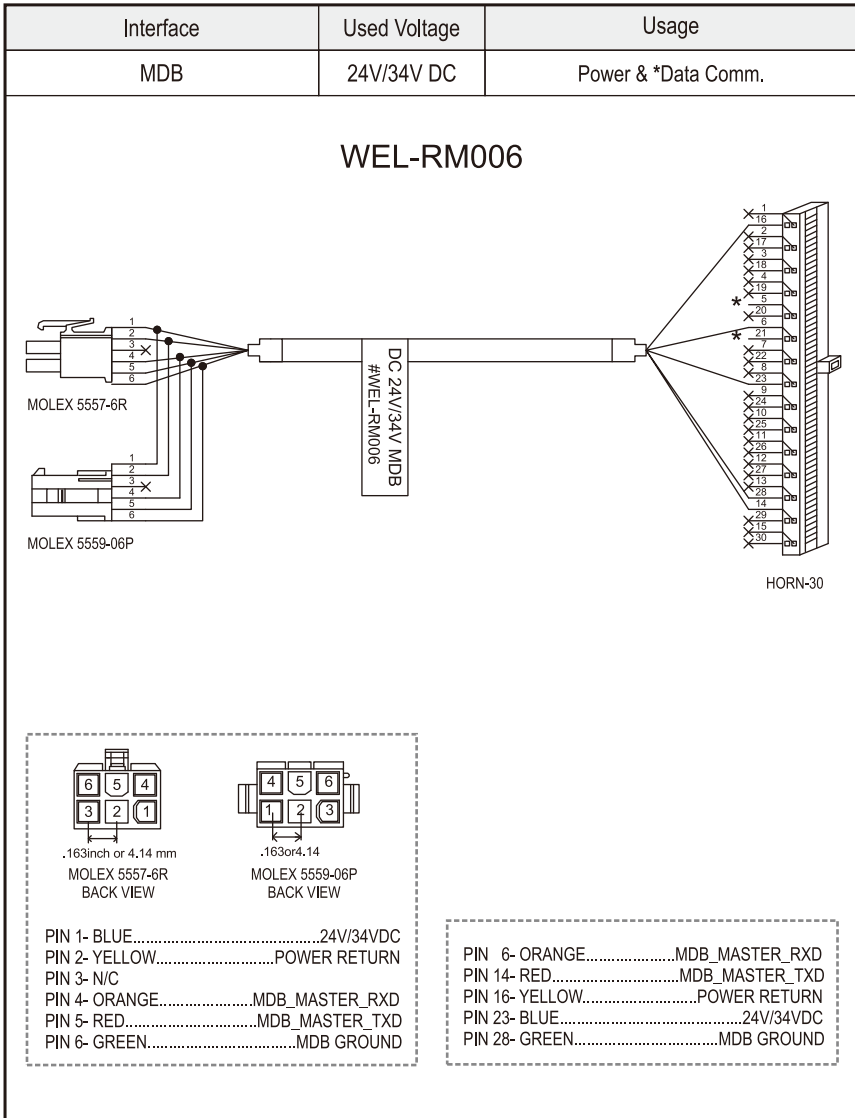
5-1 FIG. 06



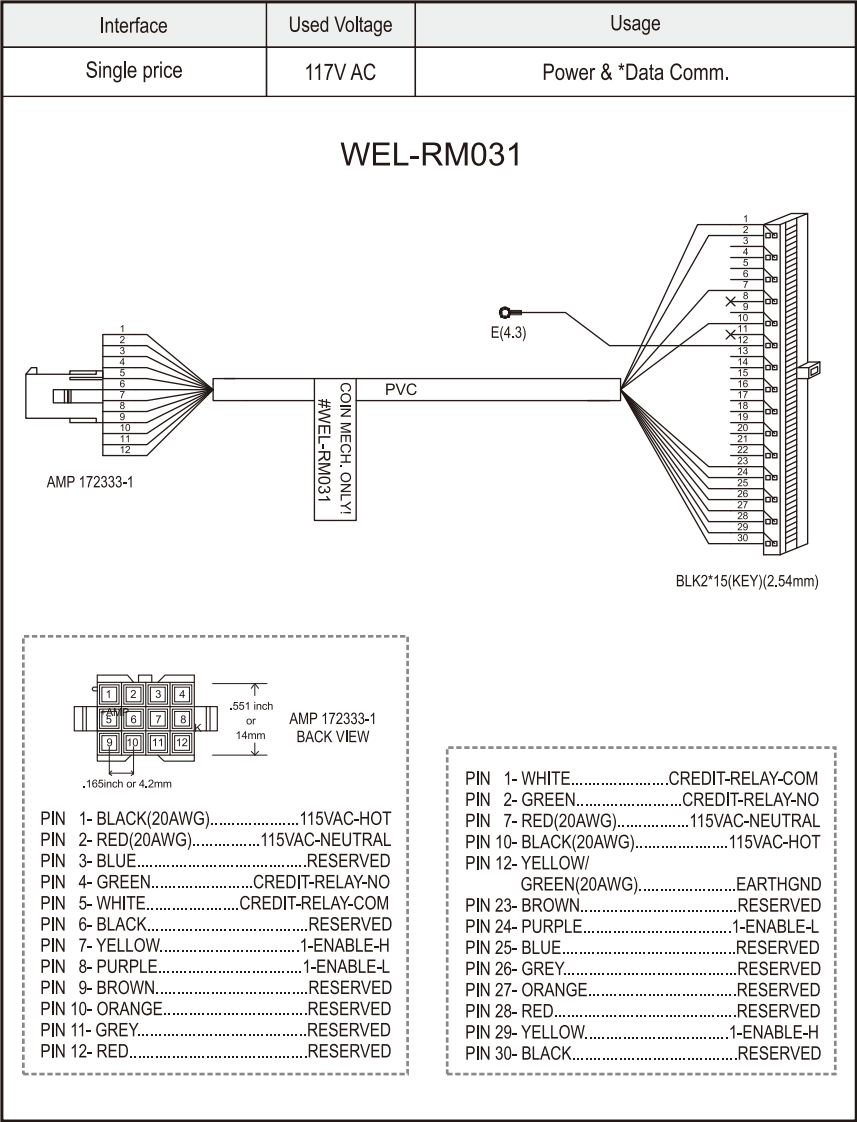
5-1 FIG. 07



5-1 FIG. 08



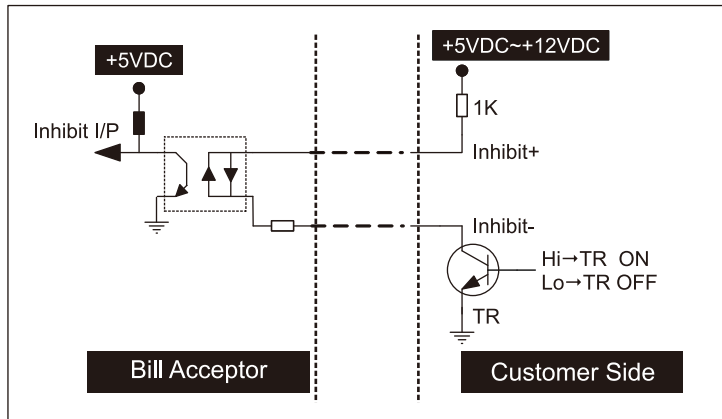
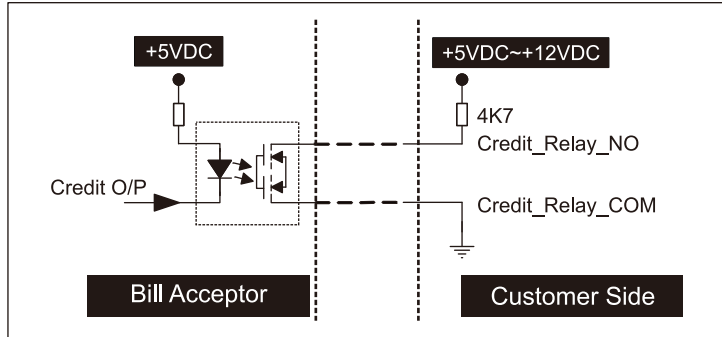
5-1 FIG. 09



5-1-1. I/O Circuit

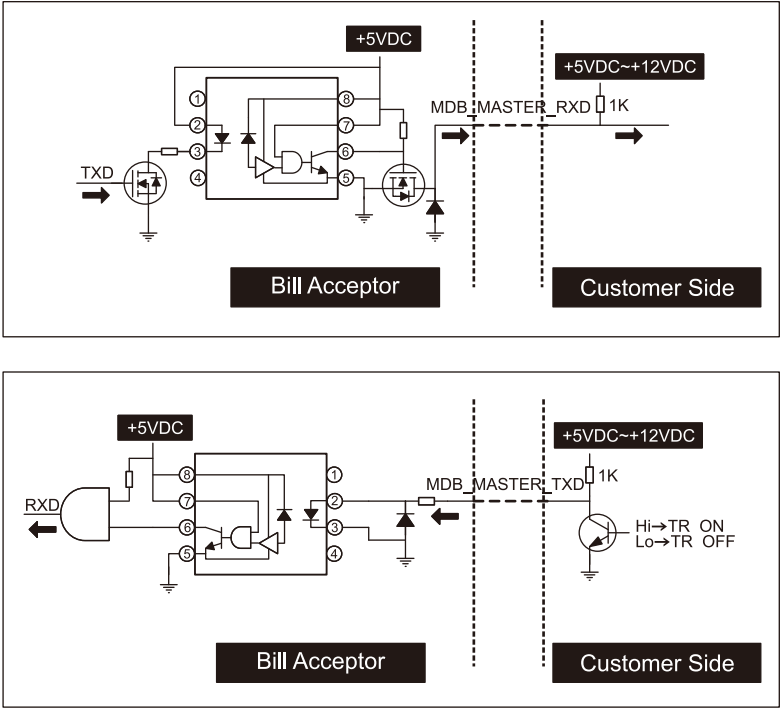
Pulse Interface

5-1-1 FIG. 01



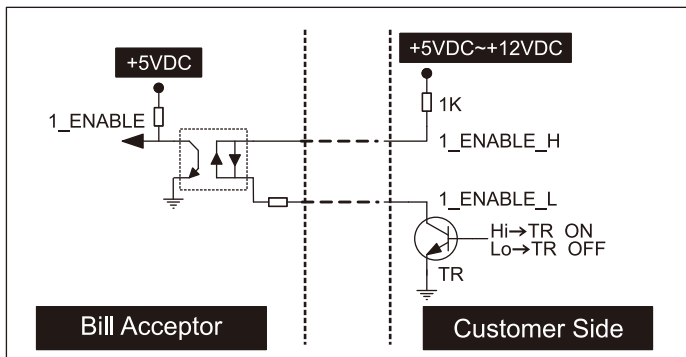
MDB Interface

5-1-1 FIG. 02



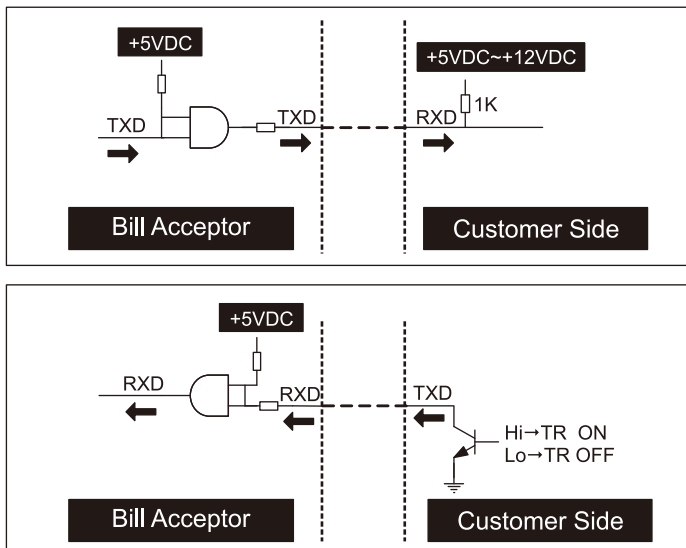
5V Enable Interface

5-1-1 FIG. 03



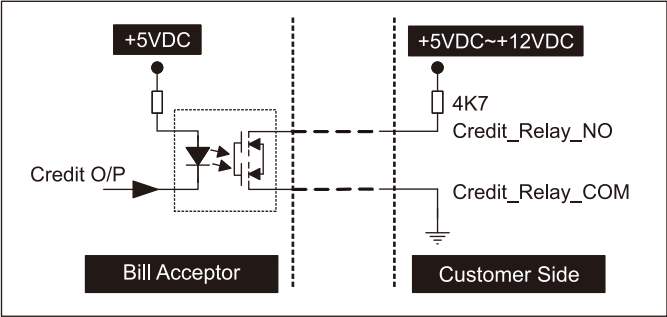
ICT-Protocol Interface

5-1-1 FIG. 04



Single Price Interface.

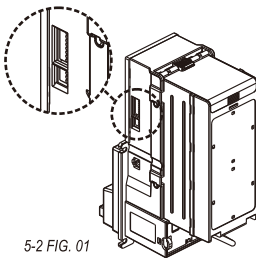
5-1-1 FIG.05



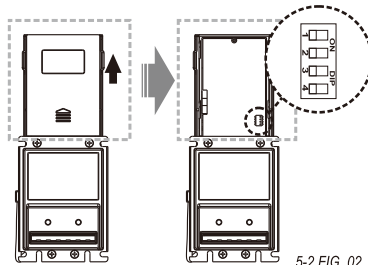
5-2. DIP Switch Setting

There are two serial DIP switches which are set on the side of A6/V6 series (as FIG.01). According to different currencies which are used by users, DIP switch settings could be varied to fit users' needs. There is also a serial DIP switch on the base of the unit for inside interface settings (as FIG.02).

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



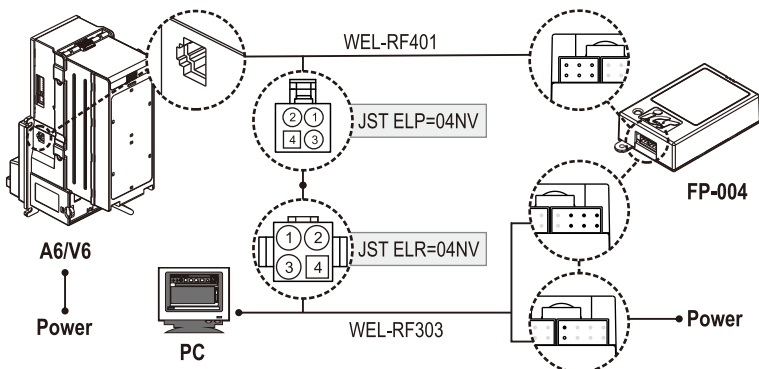
5-2 FIG. 01



5-2 FIG. 02

5-3. Software Download and Upgrade

To download and upgrade the software to A6/V6 Series, 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.



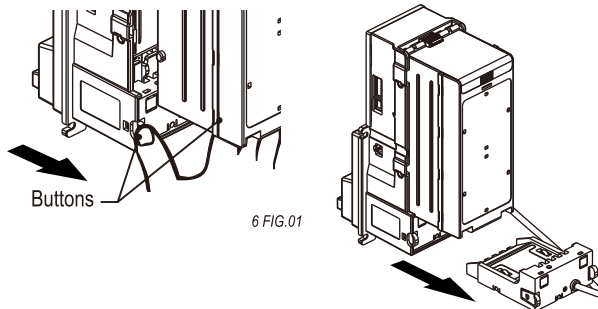
Power must be applied to Bill Acceptor **after** connecting.

6. Maintenance

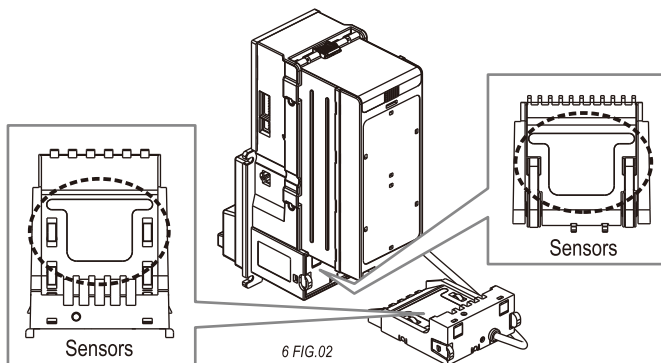
To make sure the bill acceptor always works smoothly, please clean the internal parts every two weeks to every two months.

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.



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

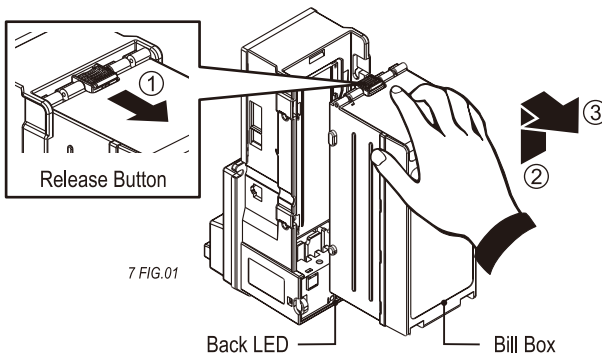
7. Troubleshooting

7 TABLE 01

LED	Status	Corrective Actions
Green	White Card Calibration.	Please calibrate with ICT white calibration card.

7 TABLE 02

LED Flashes (Green)	Status	Corrective Actions
1	Bill jammed.	Remove the bill box by sliding the top button and the bill path unit (as 7 FIG.01), and then remove the jammed bill.
2	Disable	Inspect for right DIP switch setting.
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.
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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