ict

UCA *Series*

Coin Acceptor
Installation Guide

V. 6.0 Part Number: H4985E-R

International Currency Technologies Corp.

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Contents

1. Introduction

1-1. Overview

UCA Series is designed as reliable coin acceptors which are able to work steadily in high temperature for high-security with acceptance rate up to 96% or greater.

1-2. Features

- High temperature working acceptable.
- Easy download and upgrade.
- Coin dispenser option available.
- Eight coin channels available at once.
- Mechanical Anti-String function.

2. Specifications

General

Acceptance Rate: 96 % or grater

Accepting Speed: 2~3 coin / sec

Interface: Pulse
RS232 (TTL level)

Coin Parameters: Diameter : 16mm~33mm
Thickness: 1.6mm~3.3mm

Installation: Indoor

Electrical

Power Source: 10 V~16 V DC

Power Consumption: Standby : 0.6 W
Operation: 2.4 W
Maximum: 6 W

Operation Environment: Operation Temperature: -5°C~+60°C
Storage Temperature : -20°C~+75°C
Humidity: 30%~85% RH (no condensation)

Mechanical

Outline Dimension: See Page. 3

Net Weight: Approx. 0.35 kg

UCA Series is not supposed to be aslope over 3°.

3. Packing List

Main: UCA Series Coin Acceptor

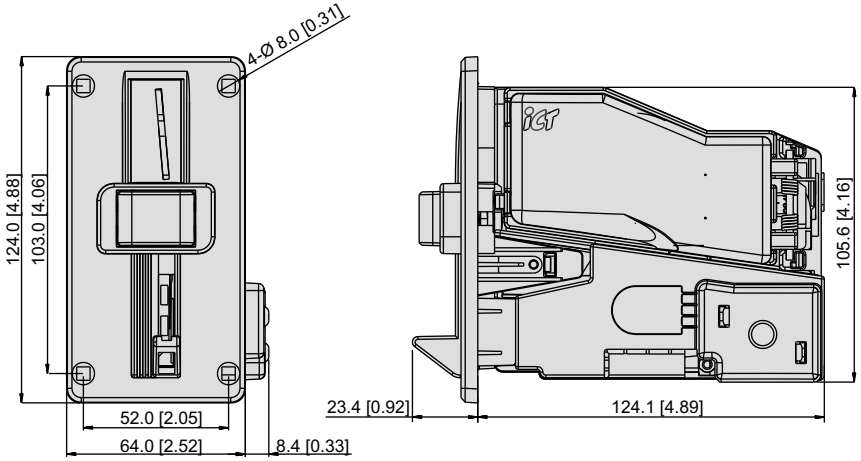
Accessory: Harnesses: see 5-2
UCA Series Installation Guide
UCA Series Switches Setting Guide

Table 1

Mode Type	Harness	Others
Pulse	See 5-2	Screws pack
RS232	See 5-2	Screws pack

4. Dimension

Figure 1



Unit : mm [inch]

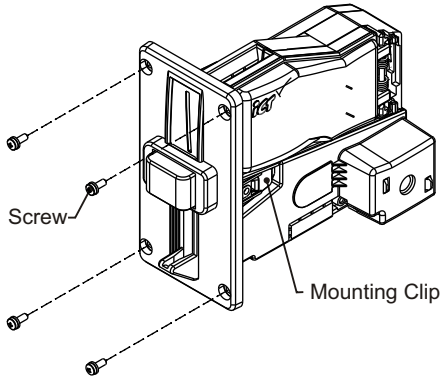
5. Installation

5-1. How to Install?

To install UCA Series coin acceptor on your machine, please follow the steps as below:

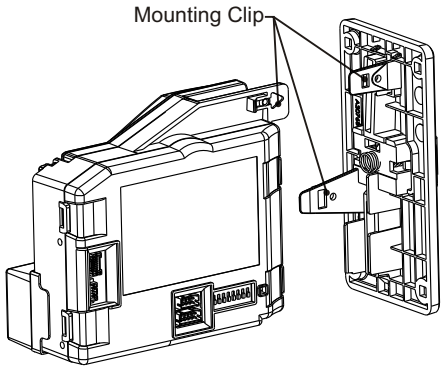
1. Use four screws to fix bezel on the machine.

Figure 2



2. Fix main base on bezel by mounting clips.

Figure 3



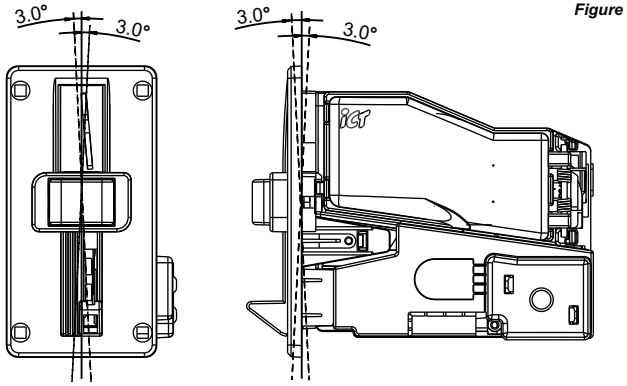


Figure 4

UCA Series is not supposed to be aslope over 3°.

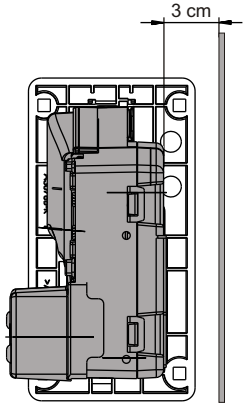


Figure 5

To make sure UCA Series work smoothly, install machine farther than 3 cm from metal items is recommended.

5-2. Harness Application

5-2-1. Connector

Figure 6

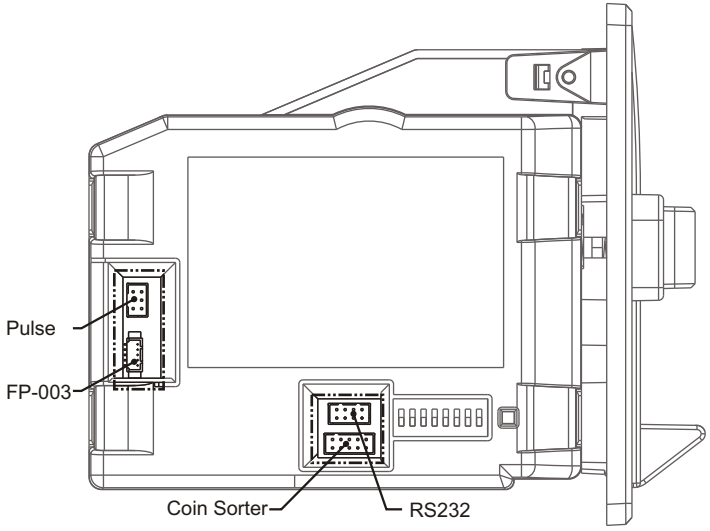


Table 2

Interface	Used Voltage	Usage	Harness	Page
Pulse	10V~16V DC	Power & *Data Comm.	WEL-RMS03	7
		Power & *Data Comm.	WEL-RMS02(Optional)	8
		Extension Wire	CU-R961-1(Optional)	9
RS232	10V~16V DC	Power	WEL-RMS03	7
	+5V TTL	*Data Comm.	WEL-R7U06	10

*Data Comm.: Data Communication.

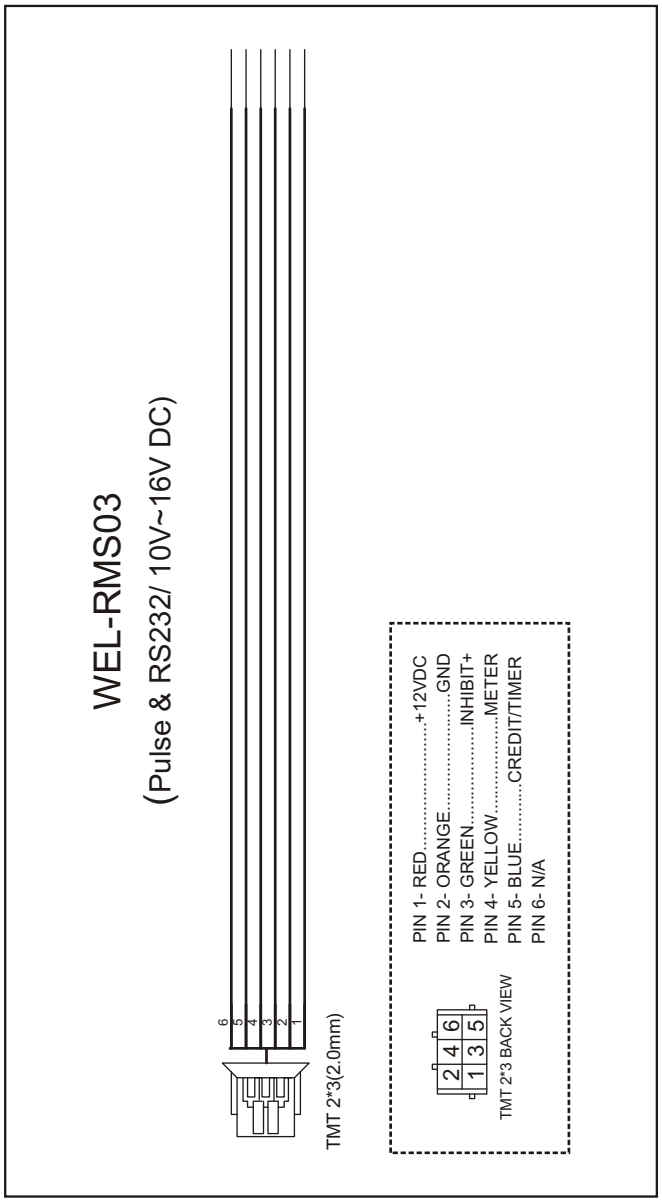


Figure 7

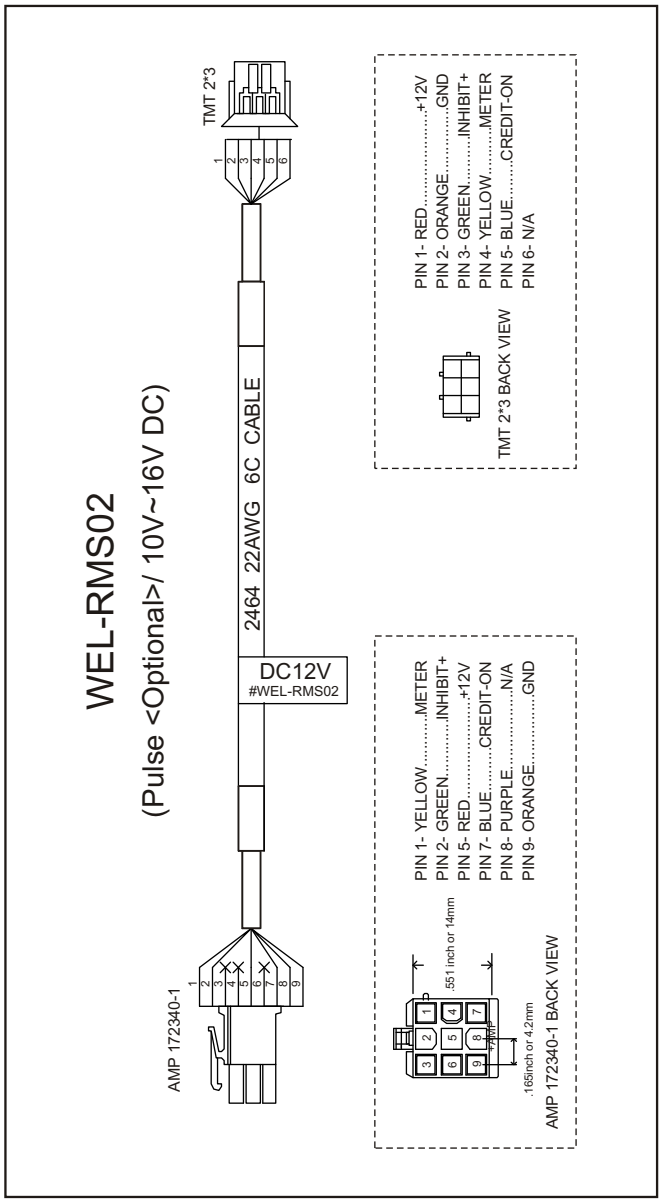


Figure 8

Figure 9

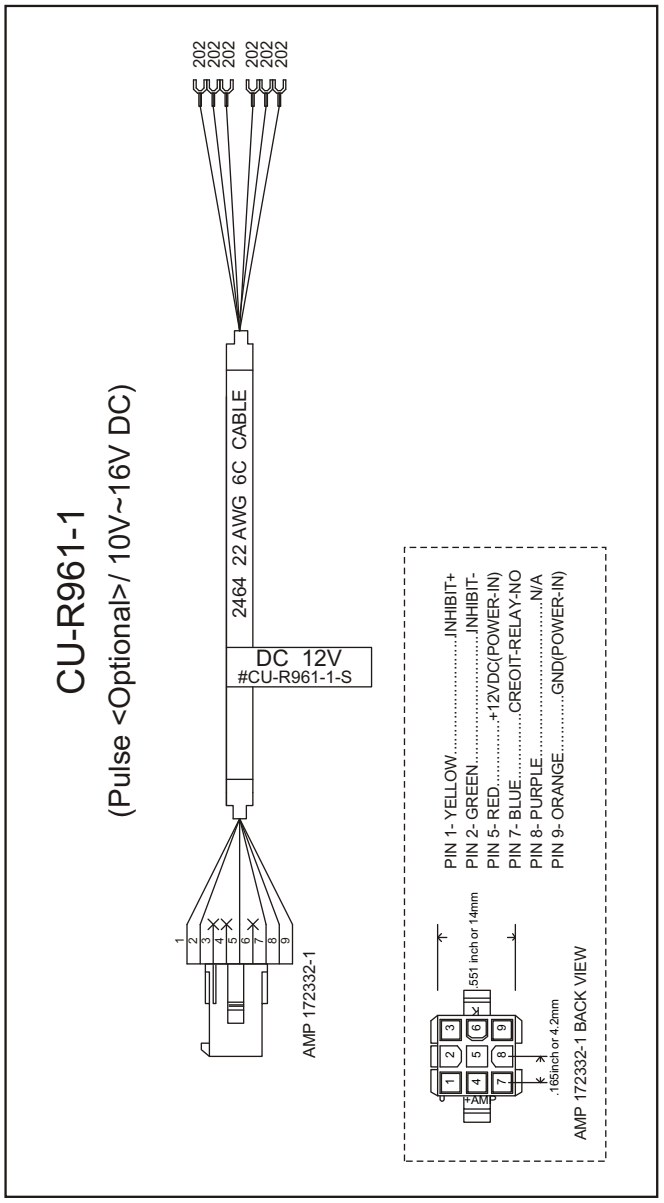
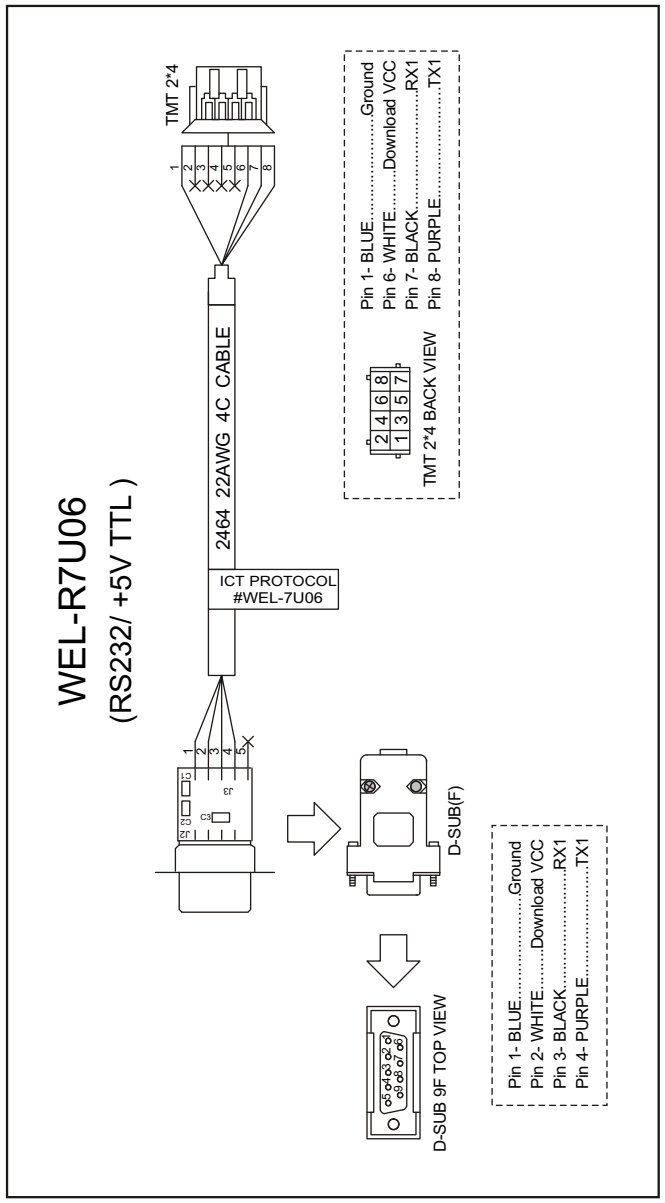


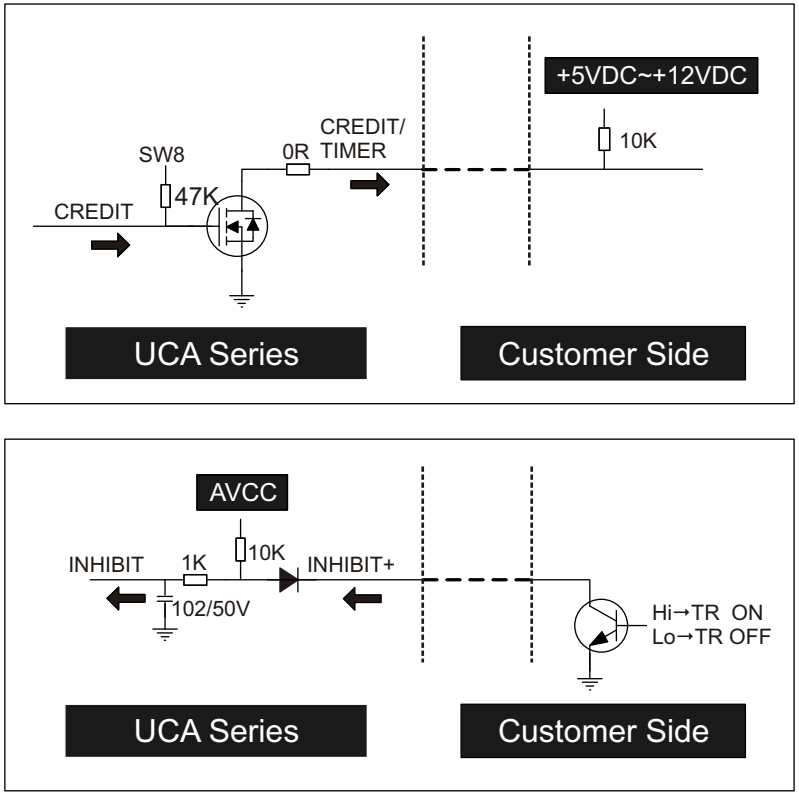
Figure 10



5-3. I/O Circuits

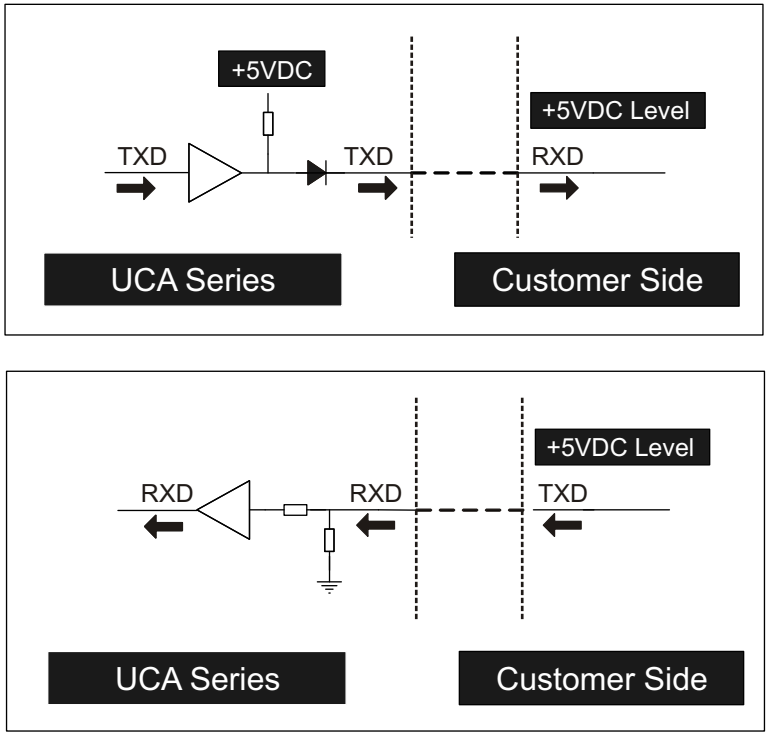
Pulse Interface Customer Recommend Circuit.

Figure 11



RS232 Interface Customer Recommend Circuit.

Figure 12

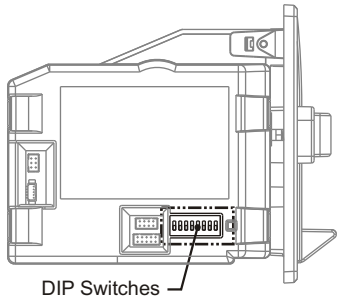


5-4. DIP Switch Setting

The DIP switches are located on side of UCA Series. DIP switch setting varies according to different functions which are used by users.

For DIP switch setting which fits your need, please refer to “UCA Series Switch Setting” guide in the package.

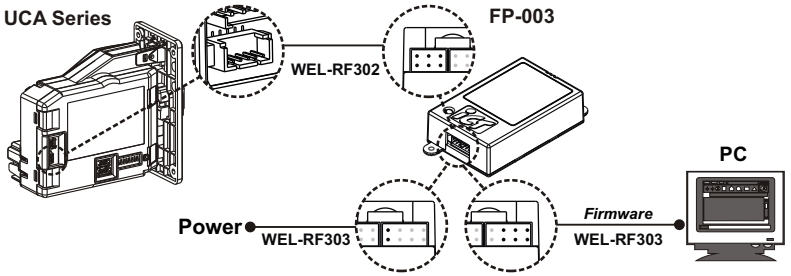
Figure 13



5-5. Software Download and Upgrade

To download and upgrade the software to UCA Series, the programmer (FP-003) is needed. Please contact ICT to purchase FP-003 and refer to FP-003 user guide for software download and upgrade information.

Figure 14



Power must be applied to UCA Series AFTER connecting.

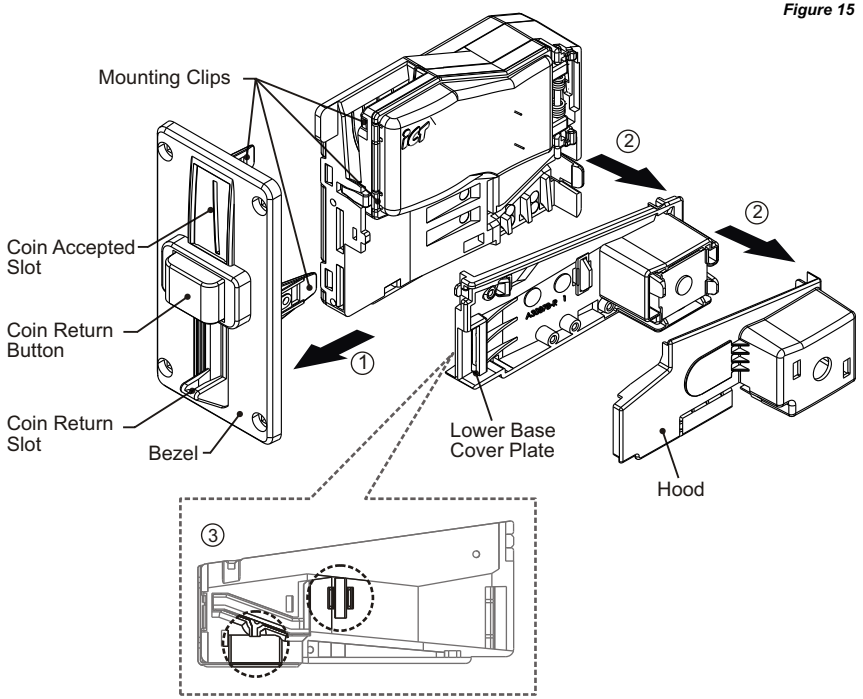
6. Maintenance

To make sure UCA Series coin acceptor always works smoothly, please clean the internal sensors regularly.

To clean the internal sensors:

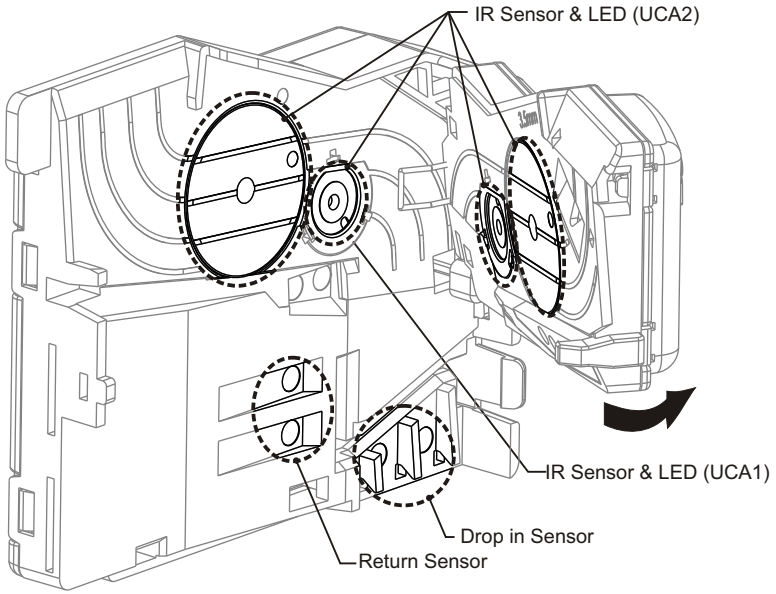
1. Remove bezel by releasing mounting clips and pulling it out.
2. Release the clip and remove lower base cover plate and hood.
3. Use a soft, dry cloth or towel to clean lens.

Figure 15



4. Open upper base cover plate and then use a soft, dry cloth or towel to clean sensors.

Figure 16



OK	Mild, non-abrasive, soap water.
DO NOT USE	Organic solvent , Alcohol, Volatility liquid

7. Troubleshooting

Figure 17

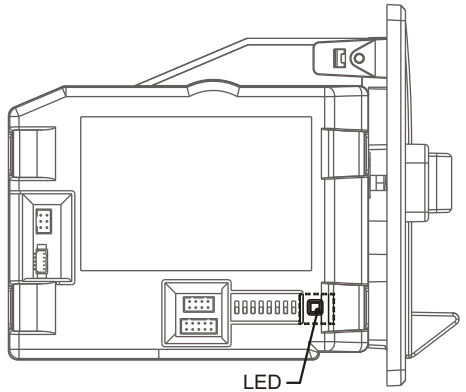


Table 3

LED Flashes			Status	Corrective Actions
Green	Orange	Red		
ON	N/A	N/A	Power ON	N/A
N/A	ON	N/A	INHIBIT	N/A
N/A	Flashes	N/A	I/O Test Mode	N/A
N/A	N/A	1	First coil set error	Call ICT or agents for technical support.
N/A	N/A	2	Second coil set error	
N/A	N/A	3	Fish sensor error	Inspect for foreign objects in coin path and clean.
N/A	N/A	4	Drop sensor error	
N/A	N/A	5	Return sensor error	
N/A	N/A	6	IR sensor error	
N/A	N/A	7	Program error	Call ICT or agents for technical support.
N/A	N/A	Fast 2	A Stringing attempt has been detected.	Inspect for foreign objects in coin path and clean.

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

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