Manuals+ — User Manuals Simplified.

iCT H4985L Coin Acceptor Multi-Coin Seletor Installation Guide

Contents

iCT H4985L Coin Acceptor Multi-Coin Seletor

Use of Materials Limitations

Introduction

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. Moreover, UCA Series includes UCA2 and UCAES for different accepted coins and applications to fulfill your needs.

Features

- Low power consumption.
- Eight coin channels available at once.
- Mechanical and electrical anti-string functions.
- Accepting speed up to 3 coins per second.
- Coin sorter option available for UCA2 and UCAES.

Specifications

General

Acceptance Rate   96 % or greater

Accepting Speed   Approx. 3 coin/sec
Interface   Pulse RS232 (TTL level)
Coin Parameters   Diameter : 20mm-32mm
Thickness: 1.2mm-3.2mm

Electrical

Power Source   12V±10% (10.8V-13.2V DC)
Power Consumption
Standby : 0.05A, 0.6W
Operation: 0.2A, 2.4W
Maximum: 0.5 A, 6W

Operation Environment
Operation Temperature: -5°C-60°C
Storage Temperature: -20°C-75°C
Humidity: 30%-85% RH

Mechanical

Outline Dimension   Refer to page. 4
Net Weight   Approx. 0.35 kg

Packing List

Main   UCA Series Coin Acceptor
Accessory
Harnesses: Refer to 5-2
UCA Series Installation Guide
UCA Series Switches Setting Guide

Mode Type	Harness	Others
Pulse	Refer to 5-2	Screw pack
RS232	Refer to 5-2	Screw pack

Dimension
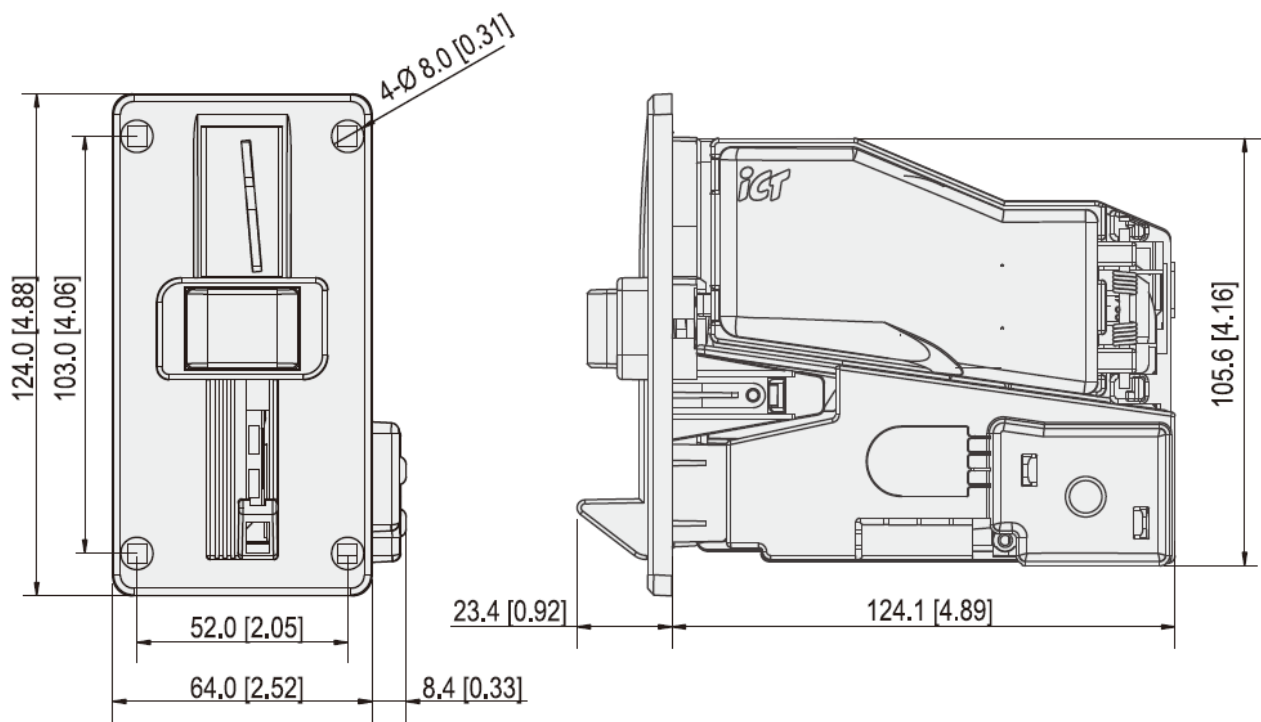
Unit : mm [inch]

4 FIG.01

Installation

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.

Mounting Clip

5-1 FIG.01
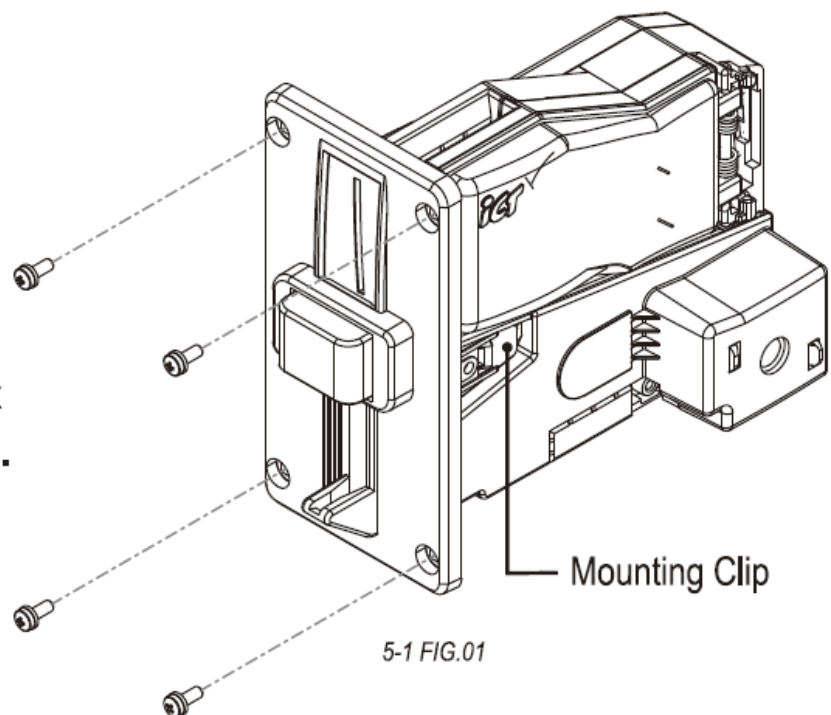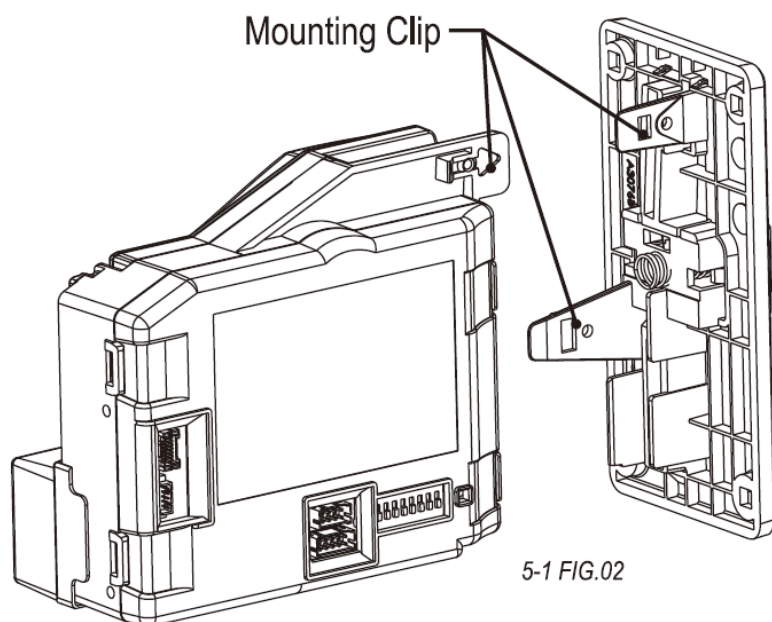
Mounting Clip

2. Fix main base on bezel by mounting clips.

5-1 FIG.02

UCA Series is not supposed to be as lope over 3°.

3.0°   3.0°

3.0°   3.0°
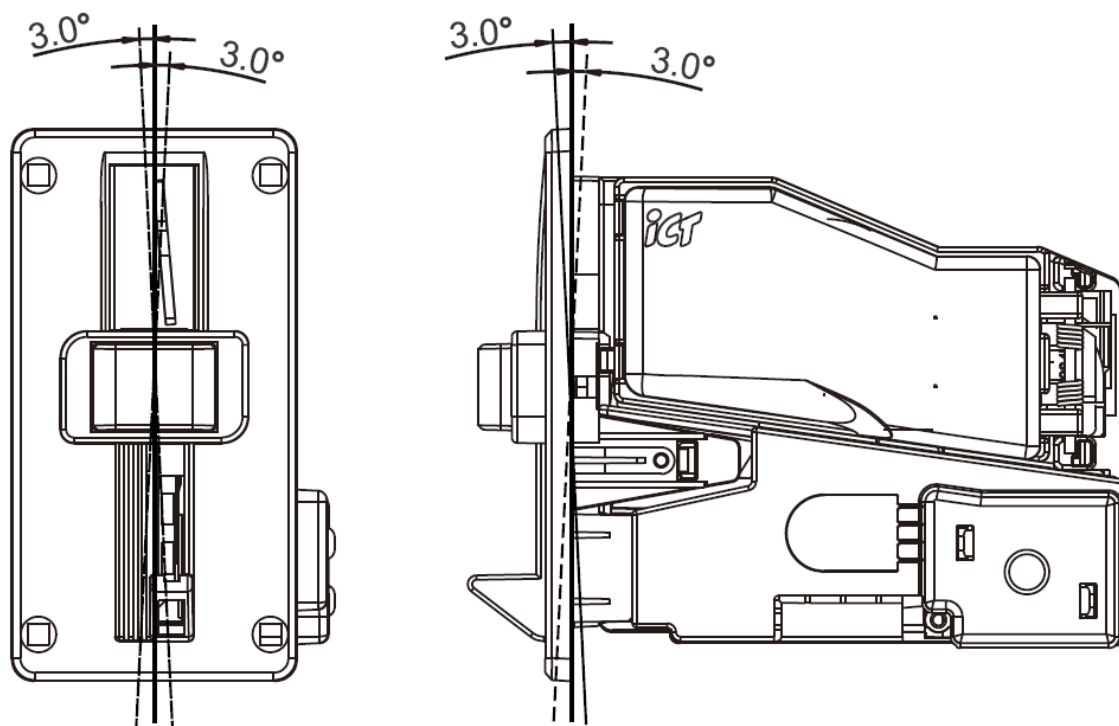
5-1 FIG.03

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

3 cm
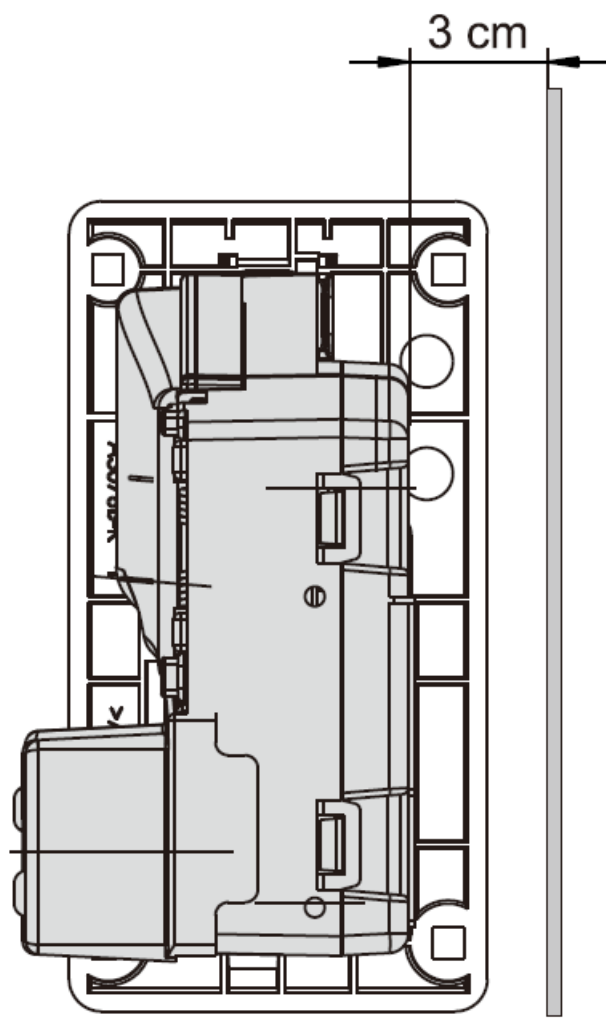
5-1 FIG.04

Harness Application

Connector:

Pulse

Download

Coin Sorter — — RS232

5-2 FIG.01
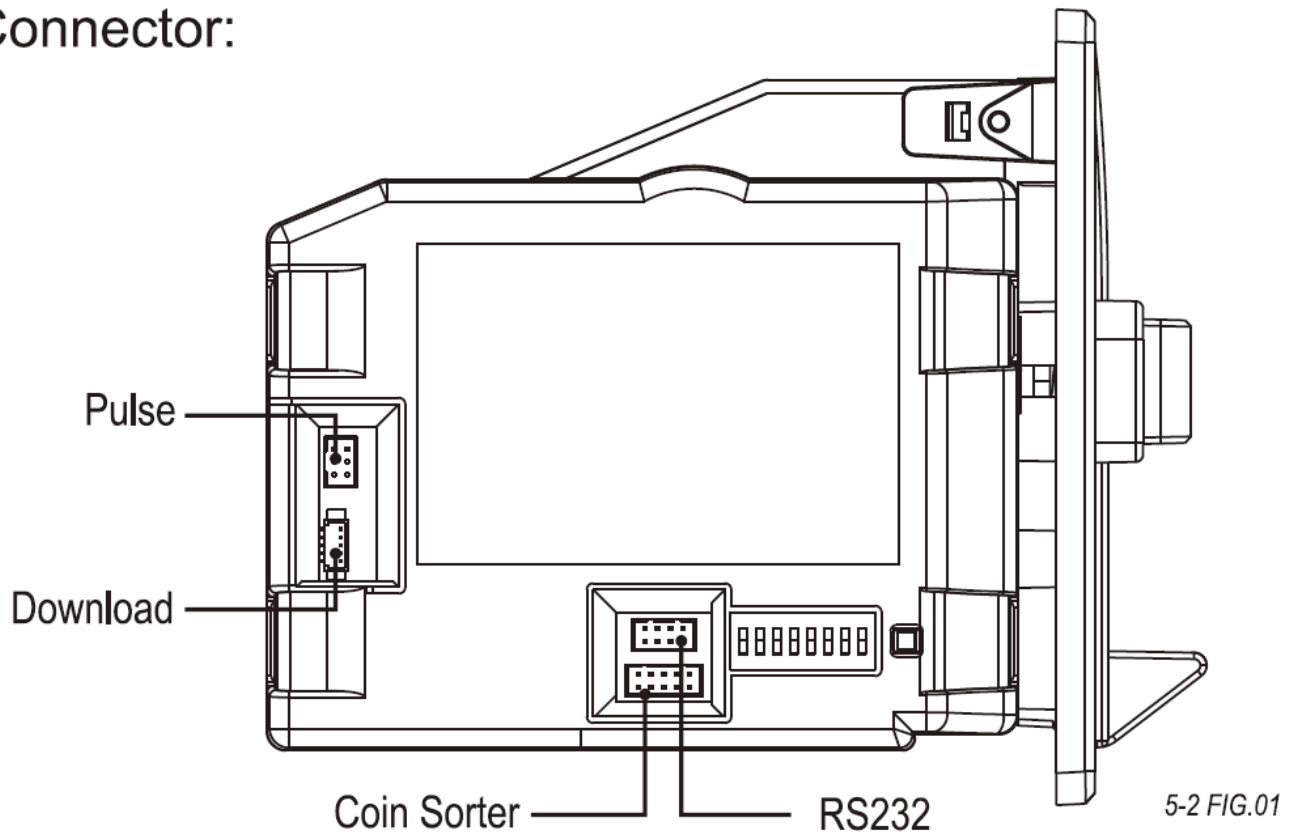
5-2 TABLE 01

Interface	Used Voltage	Usage	Harness	Page
Pulse	12V DC	Power & *Data Comm.	WEL-RMS03	8
		Power & *Data Comm.	WEL-RMS02(Optional)	8
		Extension Wire	CU-R961-1(Optional)	9
RS232	12V DC	Power	WEL-RMS03	8
	+5V TTL	*Data Comm.	WEL-R7U06-2	10

*Data Comm.: Data Communication.

Interface	Used Voltage	Usage
Pulse	12V DC	Power & *Data Comm.
RS232	12V DC	Power

WEL-RMS03

TMT 2*3(2.0mm)

TMT 2*3 BACK VIEW

PIN 1- RED...........................+12VDC
PIN 2- ORANGE........................GND
PIN 3- GREEN....................INHIBIT+
PIN 4- YELLOW....................METER
PIN 5- BLUE.............CREDIT/TIMER
PIN 6- PURPLE...........................N/A

Interface	Used Voltage	Usage
Pulse	12V DC	Power & *Data Comm.

WEL-RMS02
(Optional)

AMP 172340-1

DC12V #WEL-RMS02

2464 22AWG 6C CABLE

TMT 2*3

AMP 172340-1
BACK VIEW

PIN 1- YELLOW............METER
PIN 2- GREEN.............INHIBIT+
PIN 5- RED......................+12V
PIN 7- BLUE..........CREDIT-ON
PIN 8- PURPLE..................N/A
PIN 9- ORANGE...............GND

TMT 2*3
BACK VIEW

PIN 1- RED......................+12V
PIN 2- ORANGE...............GND
PIN 3- GREEN...........INHIBIT+
PIN 4- YELLOW...........METER
PIN 5- BLUE.........CREDIT-ON
PIN 6- PURPLE..................N/A

Interface	Used Voltage	Usage
Pulse	12V DC	Extension Wire for WEL-RMS02

CU-R961-1
(Optional)

AMP 172332-1

DC 12V
#CU-R961-1-S

2464 22 AWG 6C CABLE

202
202
202
202
202
202

AMP 172332-1
BACK VIEW

PIN 1- YELLOW...........................INHIBIT+
PIN 2- GREEN.............................INHIBIT-
PIN 5- RED...............+12VDC(POWER-IN)
PIN 7- BLUE...............CREOIT-RELAY-NO
PIN 8- PURPLE....................................N/A
PIN 9- ORANGE.............GND(POWER-IN)

Interface	Used Voltage	Usage
RS232	+5V TTL	*Data Comm.

WEL-R7U06-2

PIN 1- BLUE.........................Ground
PIN 2- WHITE.........Download VCC
PIN 3- BLACK.............................RX1
PIN 4- PURPLE..........................TX1

TMT 2*4

ICT PROTOCOL
#WEL-7U06-2

2464 22AWG 4C CABLE

D-SUB (F)

PIN 2- TXD
PIN 3- RXD
PIN 5- GND

D-SUB 9F TOP VIEW

TMT 2*4
BACK VIEW

PIN 1- BLUE.........................Ground
PIN 6- WHITE..........Download VCC
PIN 7- BLACK.............................RX1
PIN 8- PURPLE..........................TX1

1/0 Circuits
Pulse Interface.

+5VDC~+12VDC

CREDIT/ TIMER

SW8

CREDIT

0R

47K

10K

UCA Series

Customer Side

AVCC

INHIBIT

1K

10K

INHIBIT+

102/50V

Hi→TR ON
Lo→TR OFF

UCA Series

Customer Side
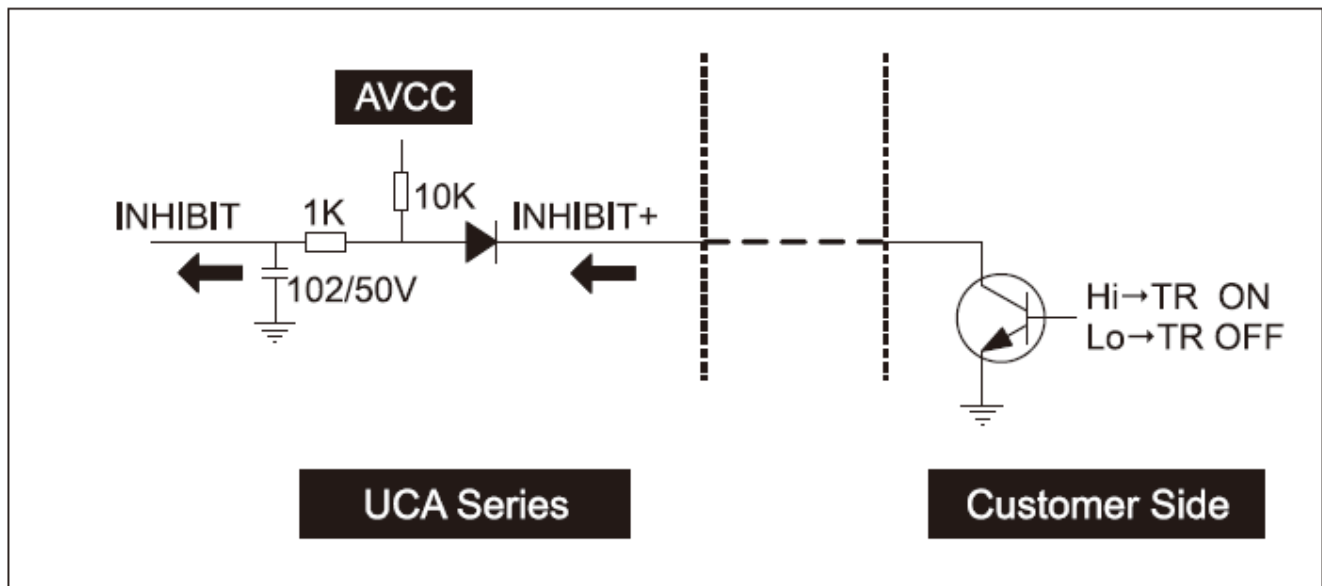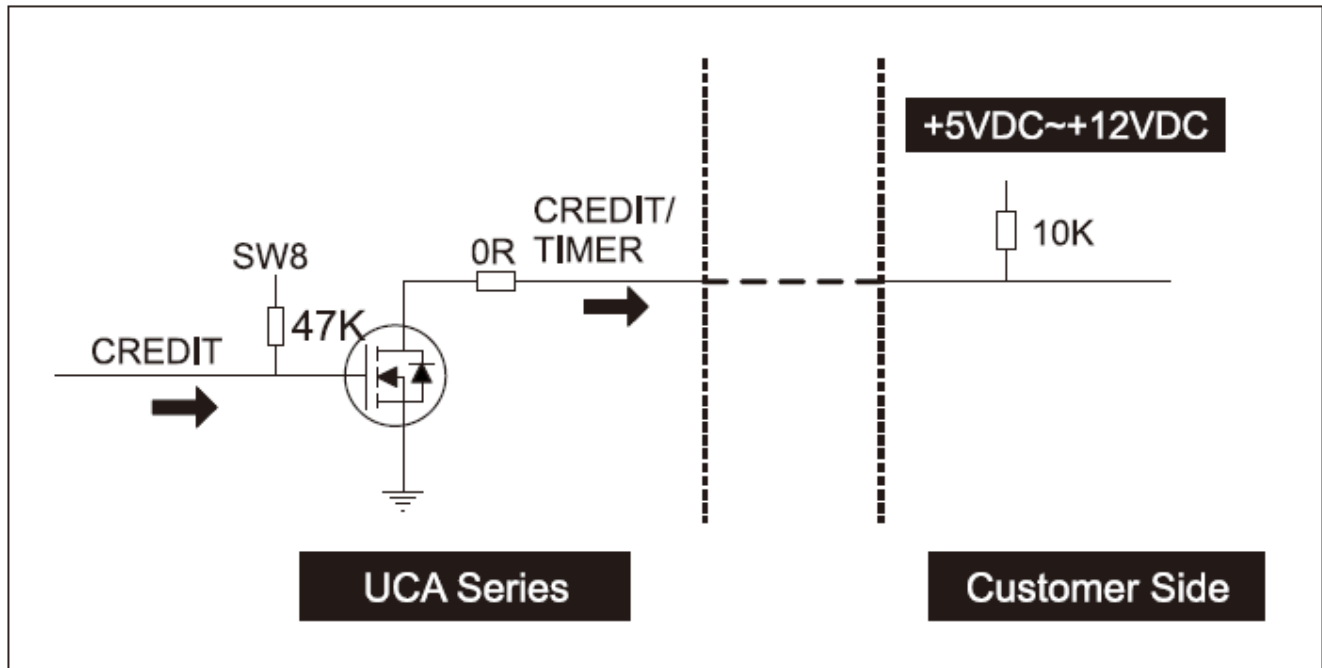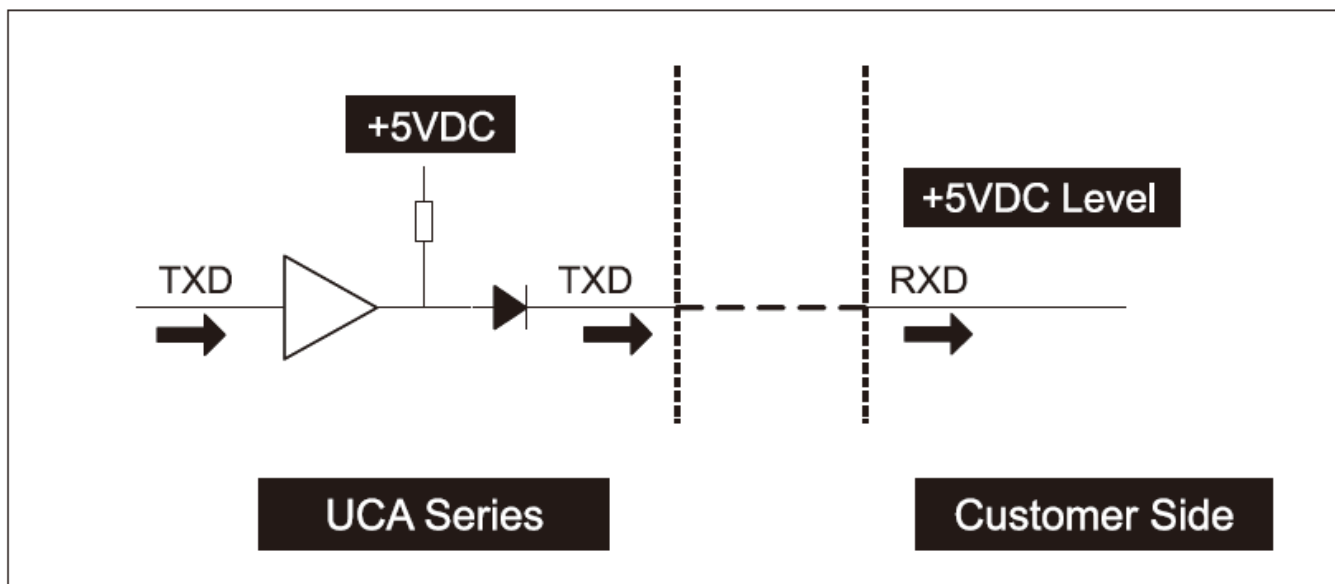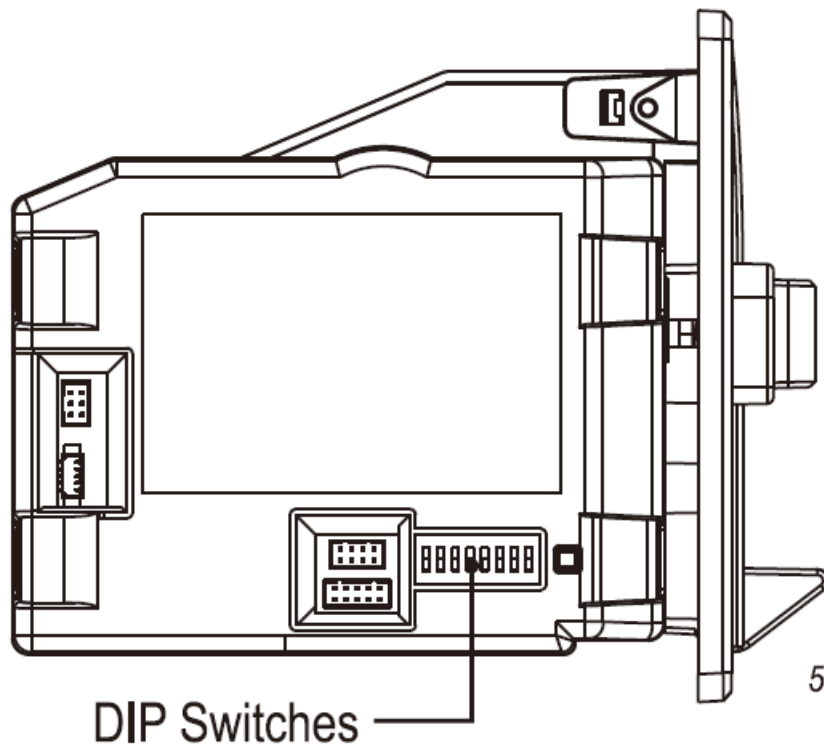
**RS232 Interface.**
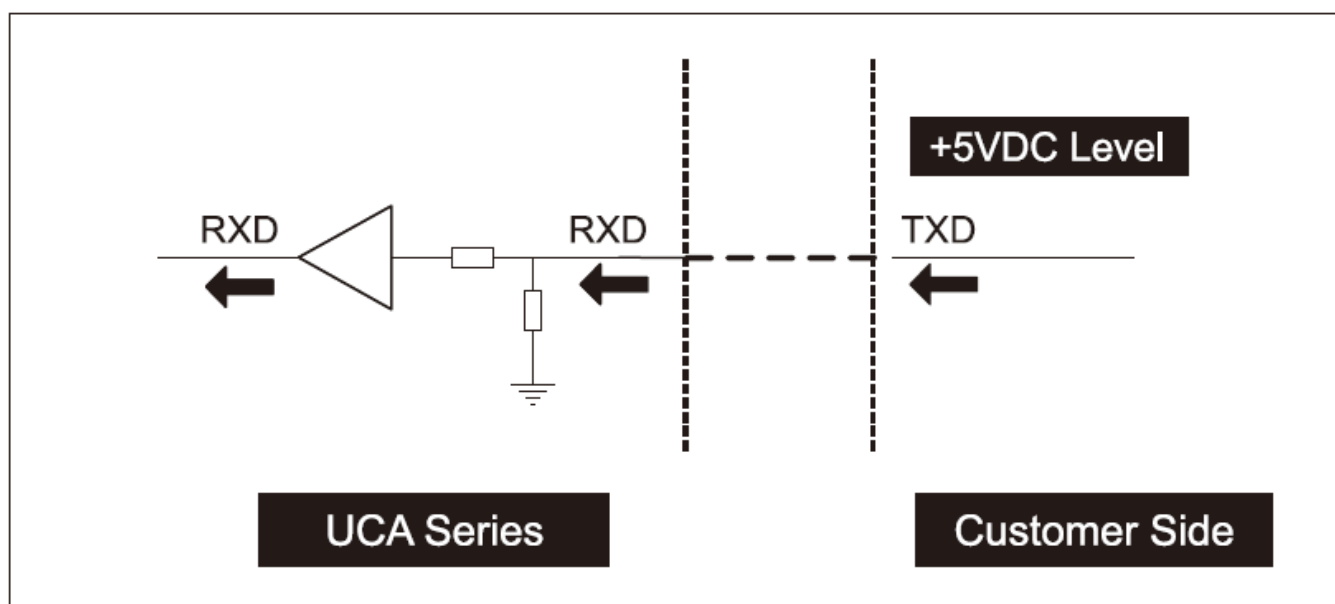
DIP Switch Setting

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 needs, please refer to "UCA Series Switch Setting" guide in the package.

DIP Switches

5-4 FIG.01

Software Download and Upgrade

To download and upgrade the software to UCA 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.
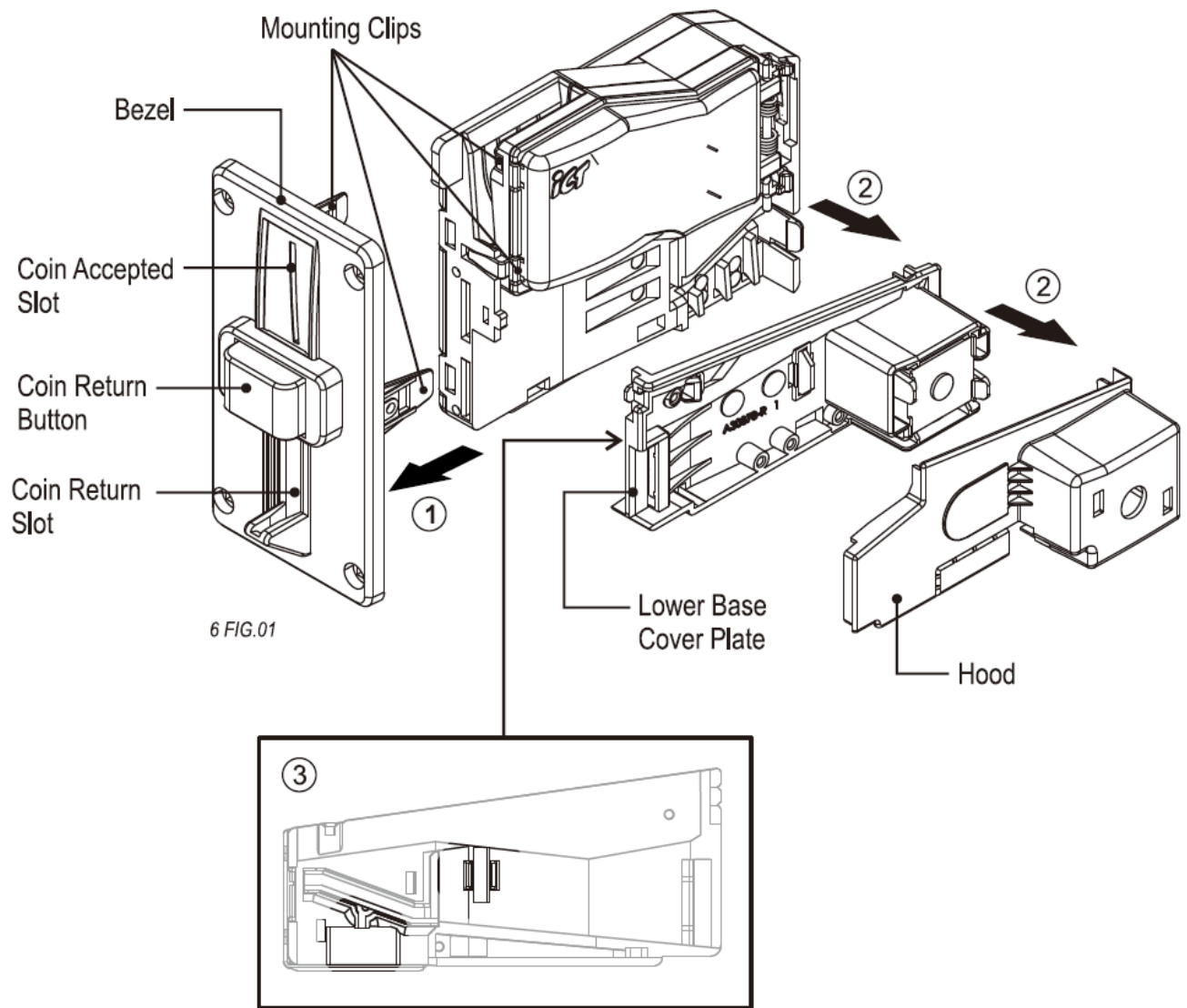

WEL-RF302

FP-004

UCA Series

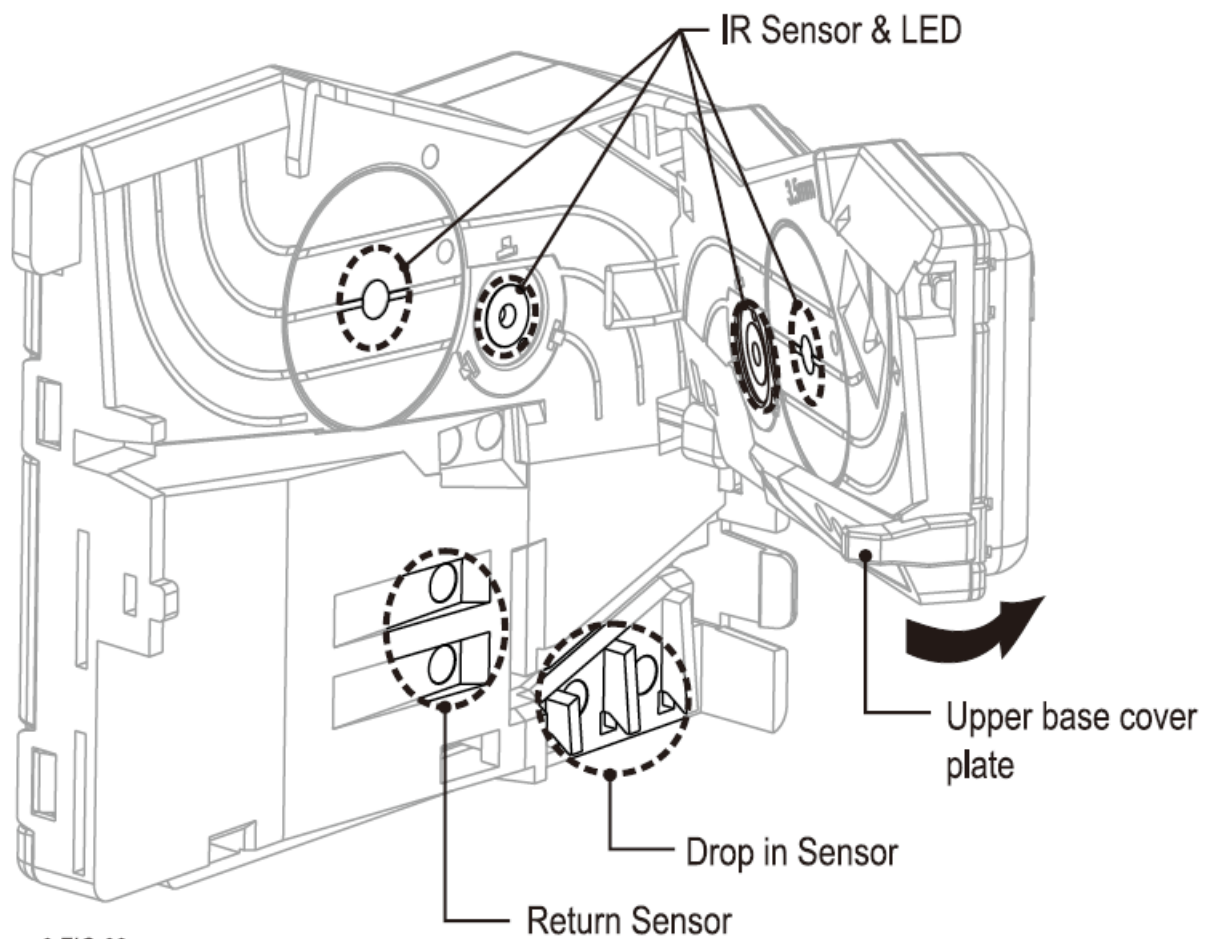Power

WEL-RF303

WEL-RF303

Firmware

PC
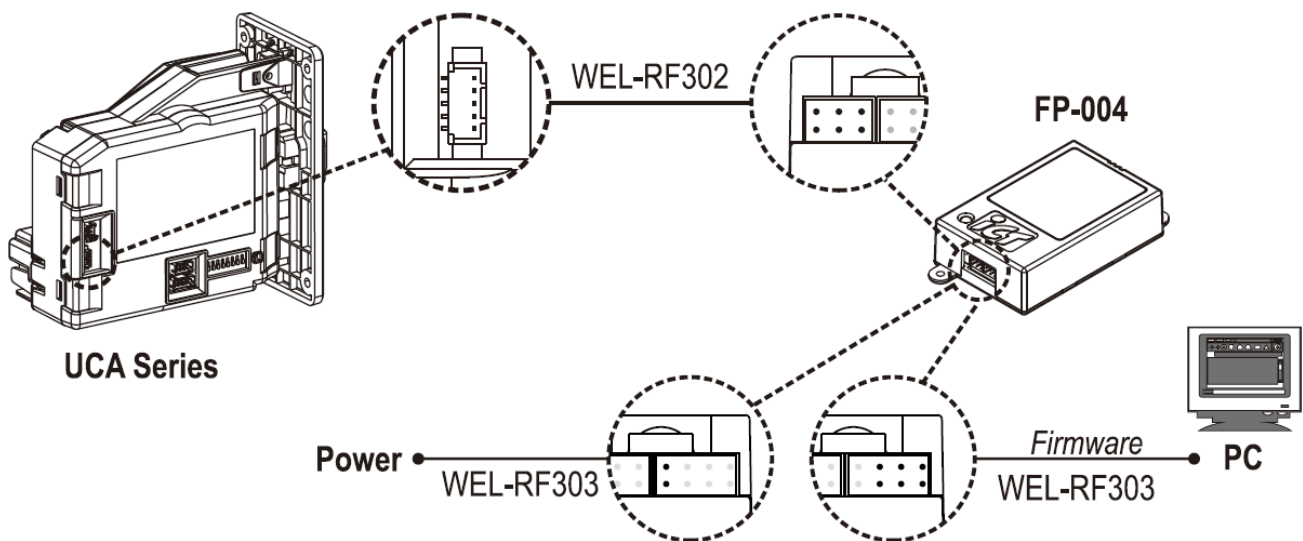
Maintenance

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.

Mounting Clips

Bezel

Coin Accepted
Slot

Coin Return
Button

Coin Return
Slot

②

②

①

Lower Base
Cover Plate

Hood

③

6 FIG.01

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

IR Sensor & LED

Upper base cover plate

Drop in Sensor

Return Sensor

6 FIG.02

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

Troubleshooting

7 FIG.01

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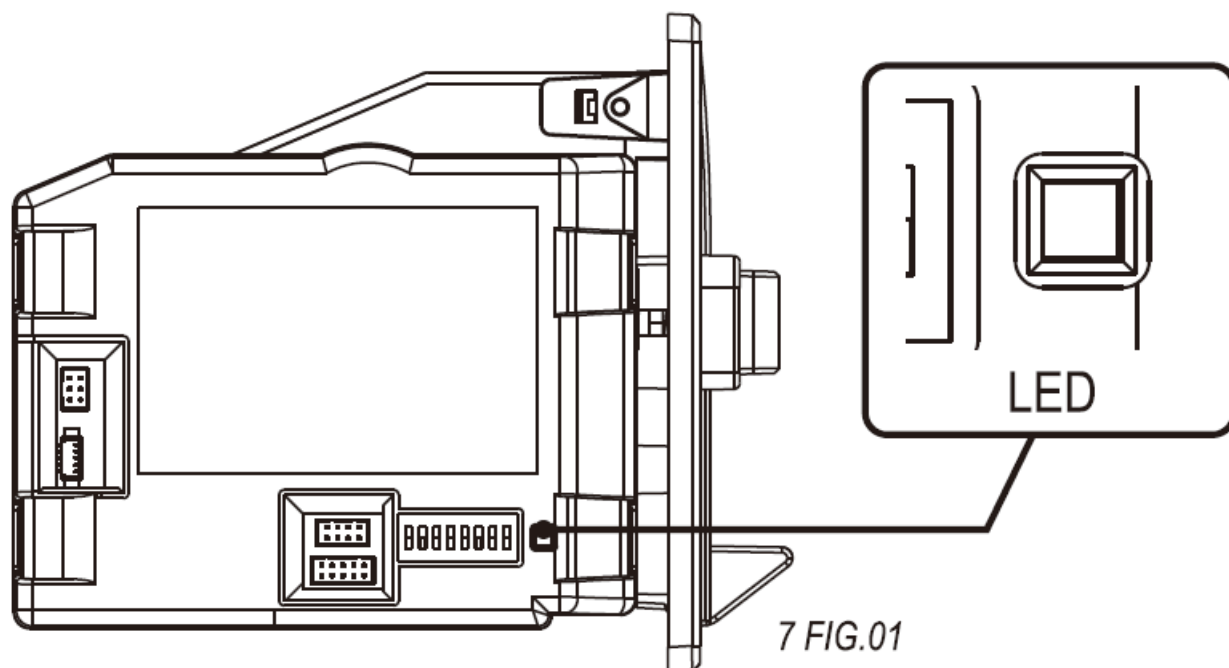
LED Flashes			Status	Corrective Actions
Green	Orange	Red		
N/A	N/A	1	First coil set error	Call ICT or agents for technical support.
N/A	N/A	2	Second coil set error	
N/A	N/A	3	Fish sensor error	Inspect for foreign objects in coin path and clean.
N/A	N/A	4	Drop sensor error	
N/A	N/A	5	Return sensor error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

7 TABLE 01-1

LED Flashes			Status
Green	Orange	Red	
ON	N/A	N/A	Power ON
N/A	ON	N/A	INHIBIT
N/A	Flashes	N/A	I/O Test Mode

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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Documents / Resources

iCT H4985L Coin Acceptor Multi-Coin Seletor [pdf] Installation Guide
H4985L Coin Acceptor Multi-Coin Seletor, H4985L, Coin Acceptor Multi-Coin Seletor, Acceptor Multi-Coin Seletor, Multi-Coin Seletor

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