iCT

BCA

Bill/Coin *Series*

Combo Acceptor
Installation Guide

International Currency Technologies Corp.

Contents

1. Introduction

1-1. Overview

ICT devotes to increase customer's profit via a compact device accepting low-denomination bill & popular used coin simultaneously. This allows end-users to change their credits, not only via coins but also bills, for gaming applications.

1-2. Features

- accept bill & coin in a single device
- similar size as a coin acceptor
- fully compatible device mounting to a coin acceptor

2. Specifications

General

Acceptance Rate:	96% or greater
Accepting Speed:	Approx. 2 coin/s, 3 s/bill
Interface:	Pulse
Coin Parameters:	Bill width: 66 mm (for S/N: xxBCA-xxBxxxxxxxxx) 72 mm (for S/N: xxBCA-xxAxxxxxxxxx) Coin width: 20-28 mm Coin thickness: 1.5-2.0 mm (for S/N: xxBCA-xxxAxxxxxxxx) 1.5-2.3 mm (for S/N: xxBCA-xxxBxxxxxxxx)

⚠	**Installation: Indoor use only!!**

Electrical

Power Source:	12V DC ($\pm$10% DC)
Power Consumption:	Standby : 0.1 A Operation: 0.7 A Maximum: 4 A
Operation Environment:	Operation Temperature: 0 ~ +55 °C Storage Temperature : -10 ~ +60 °C Humidity: 30~85 % RH (no condensation)

Mechanical

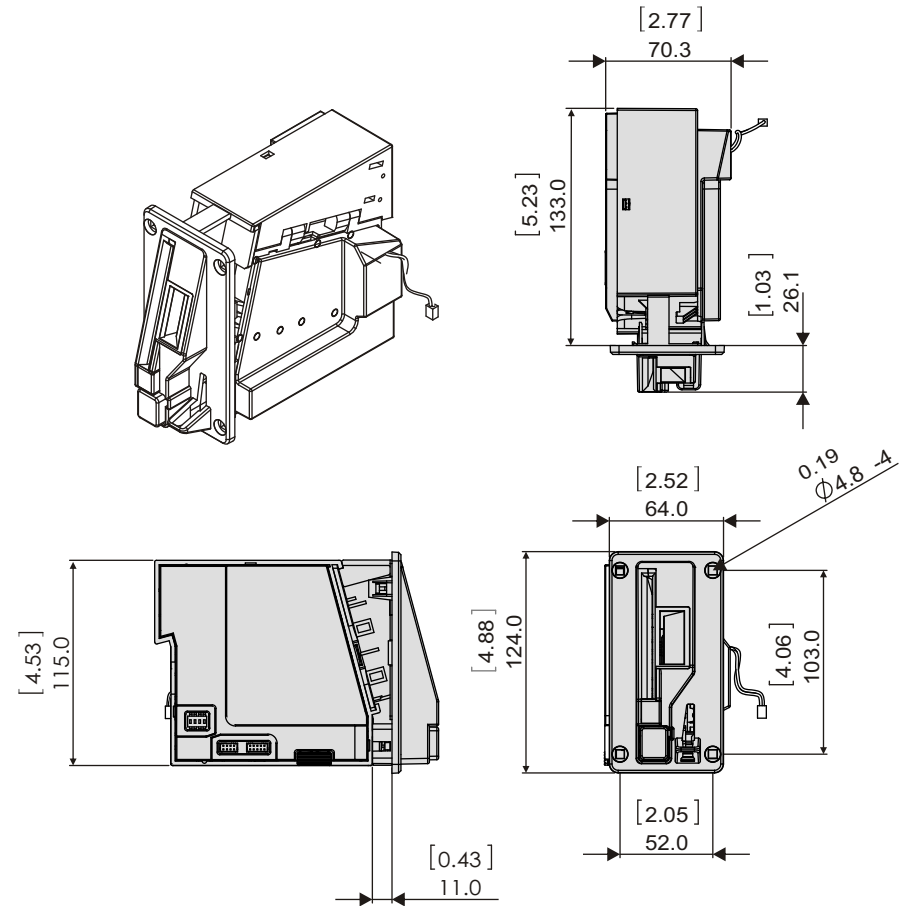|	
Outline Dimension:	Refer to page. 4
Net Weight:	Approx. 0.55 kg
currency	Refer to ICT website for the latest currency compatibility

3. Packing List

Main: BCA Series Bill/Coin Combo Acceptor

Accessory: Harnesses: Refer to 5-2
                           BCA Series Installation Guide

4. Dimension

Figure 1

[2.77] 70.3

[5.23] 133.0

[1.03] 26.1

0.19 Φ4.8 -4

[2.52] 64.0

[4.88] 124.0

[4.06] 103.0

[2.05] 52.0

[4.53] 115.0

[0.43] 11.0

Unit : mm [inch]

5. Installation

5-1. How to Install?

Separate the bezel from the device body's 2 clips as marked by ring shape & fix the bezel by using 4 screws; connect the bezel & device body then after screw fixing.
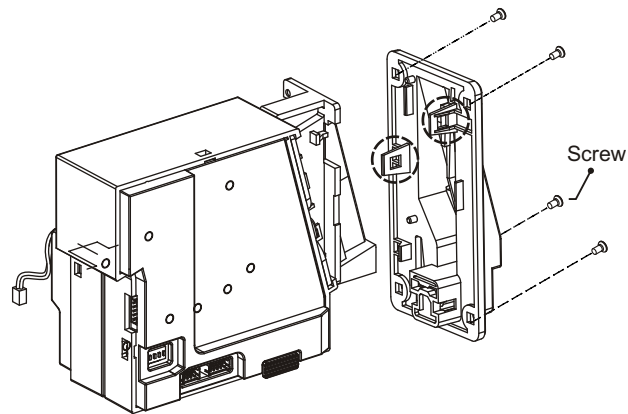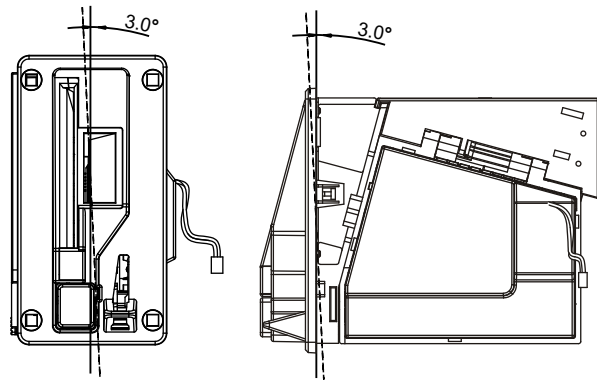
Screw

Figure 2

3.0°   3.0°

Figure 3

⚠️ **BCA Series is not supposed to be aslope over 3°.**
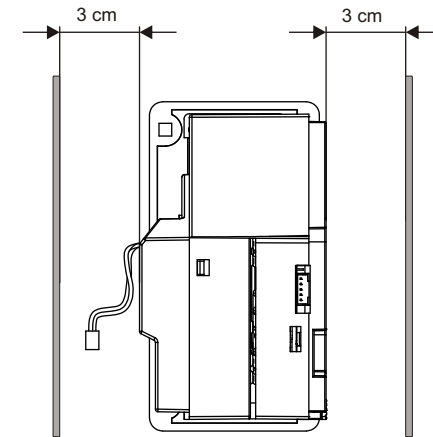
3 cm   3 cm

Figure 4

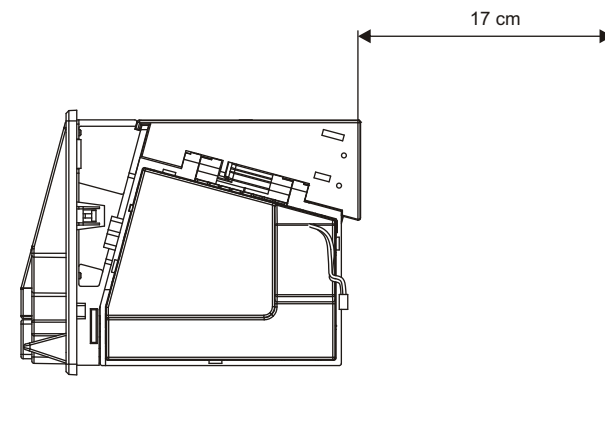⚠️ Please reserve 3 cm from both-side of BCA

17 cm

Figure 5

⚠️ Please reserve 17 cm from backside of BCA for bill smoothly dispensing.

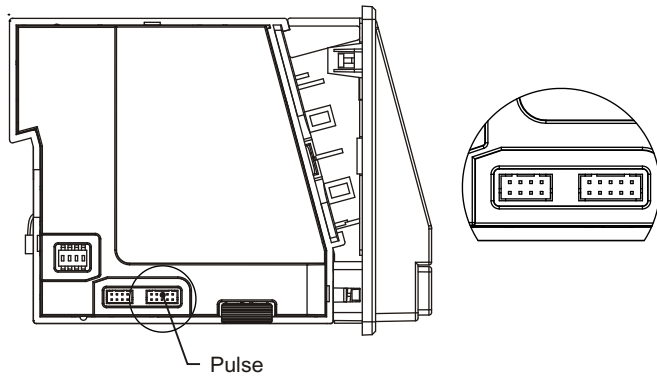## 5-2. Harness Application

5-2-1. Connector

▪ **BCA**

Figure 6

Pulse

Table 2

Interface	Used Voltage	Usage	Harness	Page
Pulse	DC 12 V	Power & *Data Comm.	WEL-RNBC05	9

*Data Comm.: Data Communication.

Figure 7

Interface	Used Voltage	Usage
Pulse	10V~16V DC	Power & *Data Comm.

WEL-RNBC05

DC12V
#WEL-RNBC05

TMT 2*3(2.0mm)

1. YELLOW
2. GREEN
3. BLACK
4. WHITE
5. RED
6. BROWN
7. BLUE
8. PURPLE
9. ORANGE
10. GRAY

PIN 1- YELLOW......................RS232-TX
PIN 2- GREEN........................RS232-RX
PIN 3- BLACK...............CREDIT-RELAY-NO
PIN 4- WHITE.........CREDIT-RELAY-COMMON
PIN 5- RED.......................................NC
PIN 6- BROWN.............................TIMER
PIN 7- BLUE............................INHIBIT+
PIN 8- PURPLE........................INHIBIT-
PIN 9- ORANGE.......................+12VDC
PIN 10- GRAY...............................GND

TMT 2*5

PIN 1- YELLOW......................RS232-TX
PIN 2- GREEN........................RS232-RX
PIN 3- BLACK...............CREDIT-RELAY-NO
PIN 4- WHITE.........CREDIT-RELAY-COMMON
PIN 5- RED.......................................NC
PIN 6- BROWN.............................TIMER
PIN 7- BLUE............................INHIBIT+
PIN 8- PURPLE........................INHIBIT-
PIN 9- ORANGE.......................+12VDC
PIN 10- GRAY...............................GND

2	4	6	8	10
1	3	5	7	9

TMT 2*5 BACK VIEW

5-3. Harness Application

Pulse Interface.

Figure 8

Figure 8 — Credit O/P circuit

Inhibit circuit
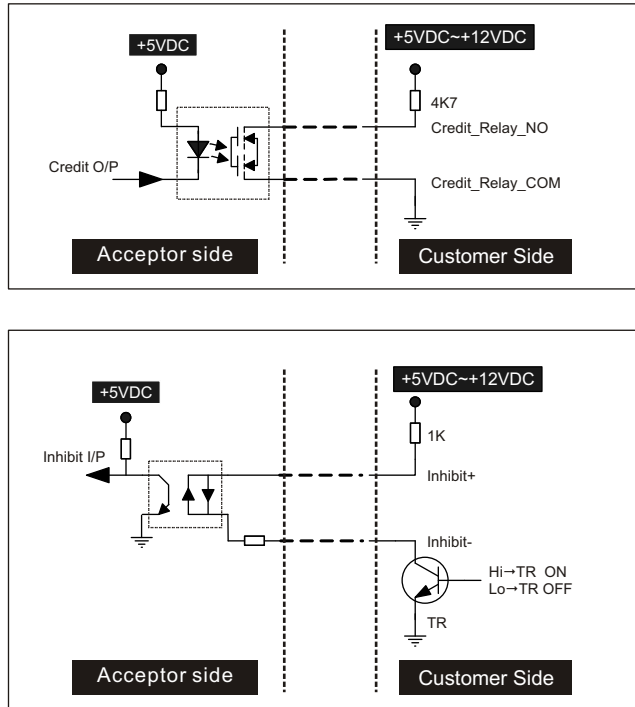
5-4. DIP Switch Setting

The DIP-switch locating on side of BCA defines the BA/CA function, inhibit and pulse statuses as shown in the table.

Figure 9
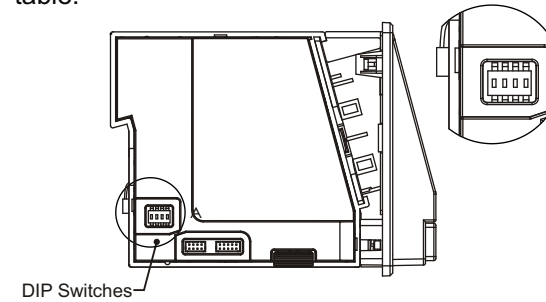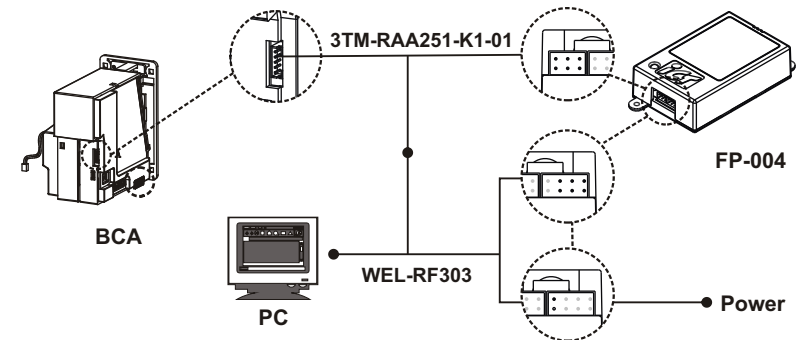

DIP Switches

5-5. Firmware Upgrade

Updating BCA device shall refer to the manual of FP-004 programmer provided by ICT.

♦ FP-004

Figure 10

Apply power to BCA device only after connecting.

6. Maintenance

Clean the internal sensors regularly to ensure BCA series acceptor work normally.

To clean the internal sensors:

  1. Separate the bezel from device body by releasing the
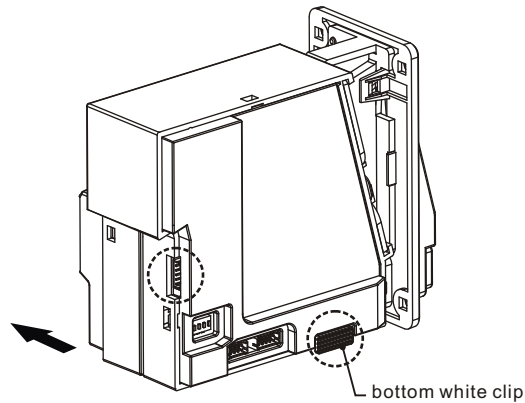
      mounting 2 clips.

Figure 11

bottom white clip

  2. Push the bottom white clip and lift up the upper base at the coin-side
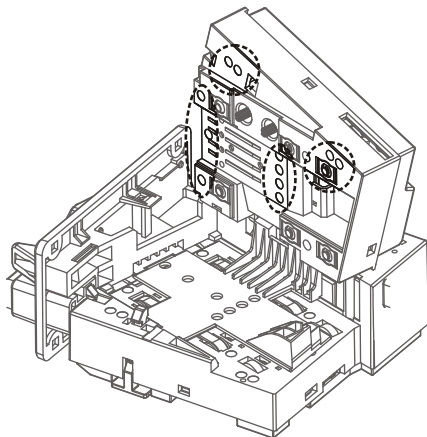
Figure 12

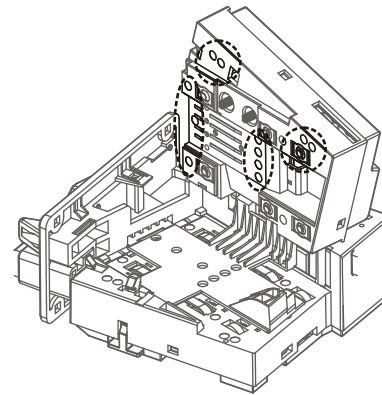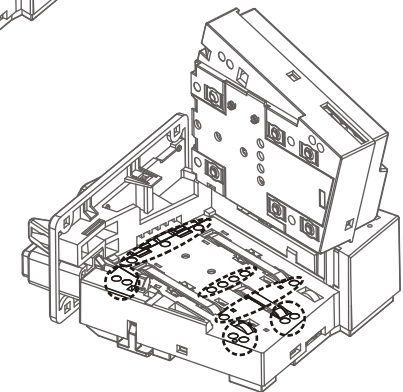3. Use a soft, dry cloth, or towel to clean lens as marked by ring shape.

Figure 13

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

7. Troubleshooting

Figure 14

LED

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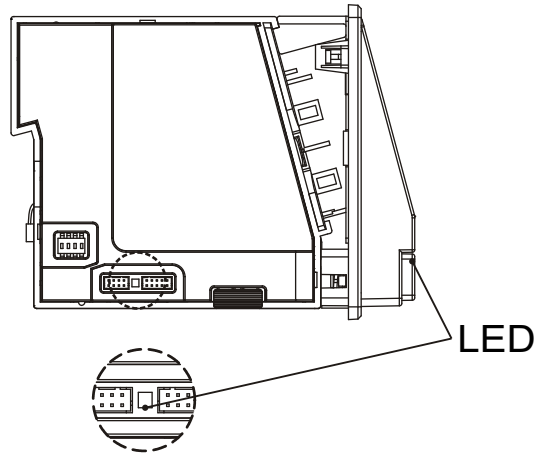
Table 3

LED Flashes			Status	Corrective Actions
Green	Orange	Red		
1	0	0	normal	BA & CA work fine
2	1	0	only BA work	open top-base of BCA to inspect & then reset
3	1	0	only CA work	
0	0	1	Bill/Coin jam	take bill/coin out & reset device
0	0	2	Disable	check fw of controal board
0	0	3	Sensor error	remove foreign objectives in bill/coin path & reset device
0	0	4	Fish error	
0	0	7	Motor error	call ICT or agent for technical support

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