Product Specification

Model   **:**   **LCDM-1000**

                     (Cash Dispensing Unit)

Total Page   **:**   **7 pages (including cover)**

Date   **:**   **2002. 3**

Version   **:**   **V3.0(INT)**

PULOON Technology Inc.

= Contents =

1. Preview and Features

1.1 Preview

LCDM-1000 is the cash-dispensing unit that can be applied to ATM and notes exchanger for retail market. The main function is to dispense the exact number of banknotes in the cassette by a customer's request and to transfer to the customer automatically.

1.2 Features

1) To separate notes by friction rollers
2) To prevent double dispensing case by mechanical double detect mechanism
3) To implement mold guides and paths to minimize jam occurrence
4) To maximize convenience in maintenance or clearing by opening guide structure
5) To realize so compact and slim size to be easily applied in even small space
6) To speed at a rate of 3 notes/sec
7) After power failure, bills on the path are rejected to reject tray when power turns on again (Auto reject function)

2. SPECIFICATION

2.1 General Specification

2.1.1 Denomination   1 Denomination

2.1.2 Cassette Capacity   approx 1,000 notes (123 mm)

2.1.3 Dispensing Speed   3 notes/sec

2.1.4 Usable Note Size   Width: 100 ~ 162mm

                             Height: 62 ~ 78mm

2.1.5 Double Feeding Detection   Mechanical type

2.1.6 Reject Capacity   About 30 notes

2.1.7 Access Type   Front Access Type

2.1.8 Dimension (unit:mm)   310.2(D) x 225(H) x 270.5(W)

2.1.9 Near-end detection   About 30~50 notes

2.1.10 Bill-end detection   0   or   Approx. 10~30 notes

         (by setting dip switch, refer to Chapter4.4)

2.1.11 Interface   RS 232C

2.2 Electrical Features

2.2.1 Rated Voltage   DC24V$\pm$10%

2.2.2 Rated Consuming Current

   - Standby Status   160 mA

   - Average Current   900 mA
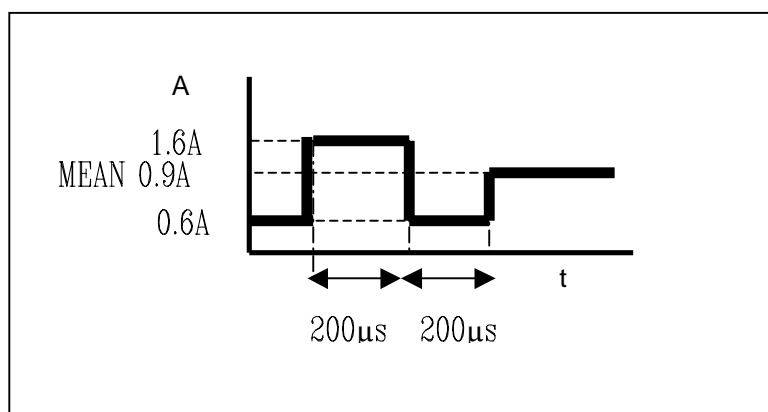
2.3 Operation Environment
   2.3.1 Operation Temperature   + 5. ~ +40.
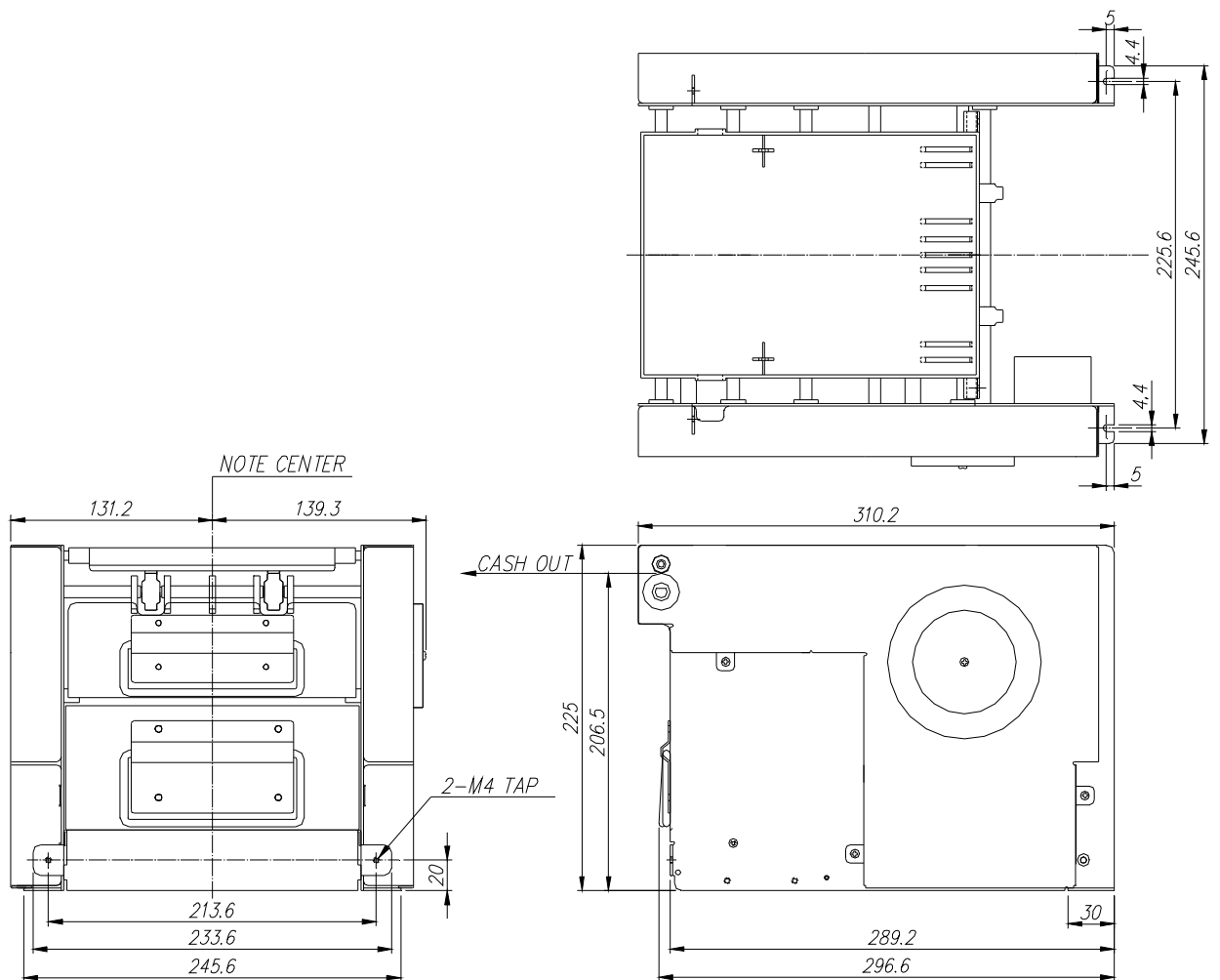   2.3.2 Storage Temperature   -10. ~ +60.
   2.3.3 Operation Humidity   20% ~ 80% RH
   2.3.4 Storage Humidity   10% ~ 90% RH

3. LAYOUT

4. CONNECTOR SPEC.

4.1 Power Connector

The power connector is positioned at the bott[...]

Connector on Controller   : MOLEX 5566VW[...]

Matching Connector   : MOLEX 5557D-02

> **The switch should be set as "ON" state like figure.**

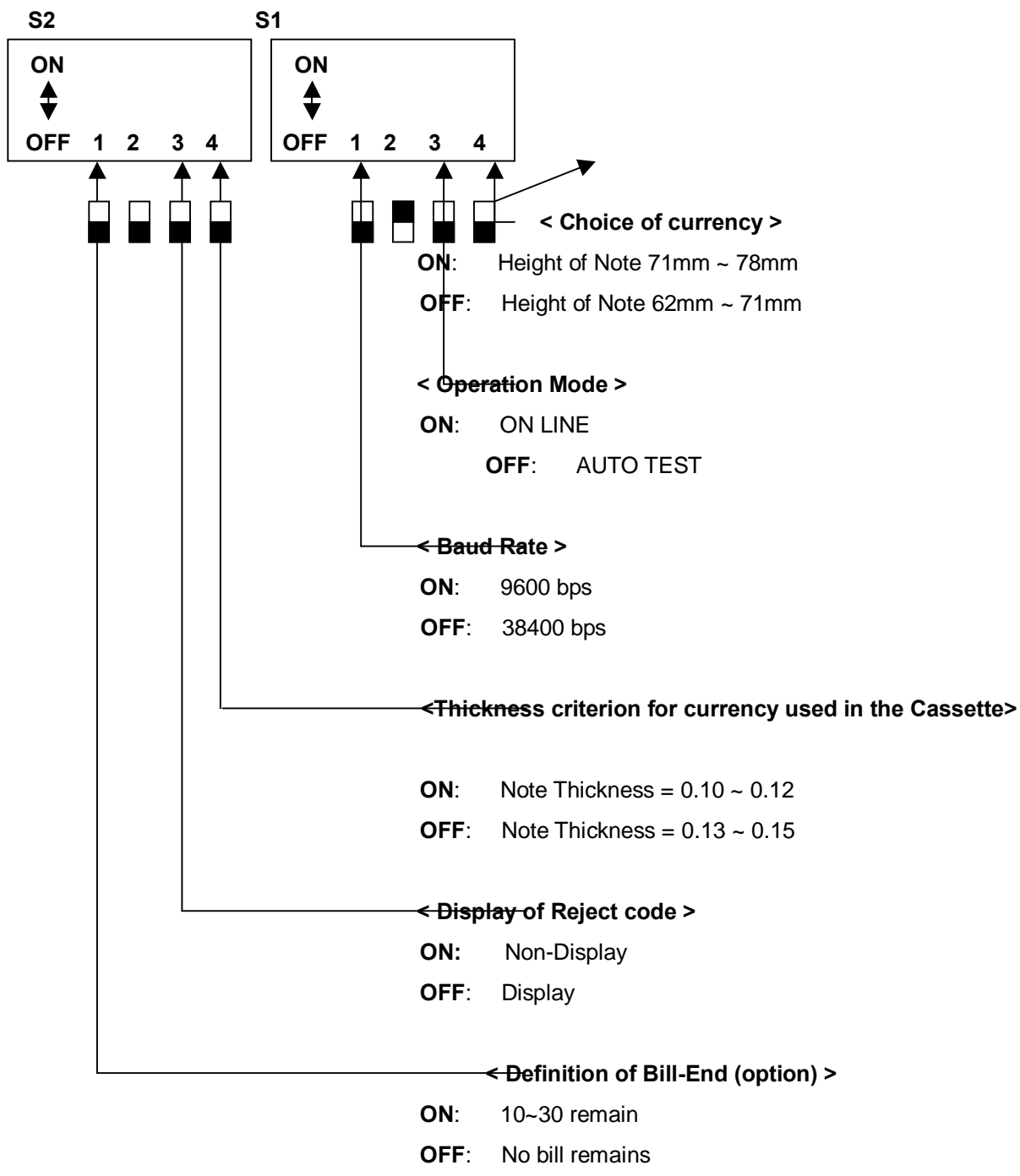| Pin No	Function
1	+24V
2	GND

4.2 Communication Connector

The communication connector is positioned at the bottom of the LCDM MAIN Controller PCB. It is 9-way and D-type connector.

Pin No	Name	Function
1		Not used
2	RXD	Received data
3	TXD	Transmitted data
4		Not used
5	GND	System ground
6		Not used
7		Not used
8		Not used
9		Not used
10		Not used

4.3 Serial Communication Specification

Baud rate	9600 bps
Data bits	8 bits
Parity	No parity
Stop bits	1 stop bit

4.4 Dip Switch Assignment

S2

ON				
↕				
OFF	1	2	3	4

S1

ON				
↕				
OFF	1	2	3	4

< Choice of currency >

ON: Height of Note 71mm ~ 78mm

OFF: Height of Note 62mm ~ 71mm

< Operation Mode >

ON: ON LINE

OFF: AUTO TEST

< Baud Rate >

ON: 9600 bps

OFF: 38400 bps

<Thickness criterion for currency used in the Cassette>

ON: Note Thickness = 0.10 ~ 0.12

OFF: Note Thickness = 0.13 ~ 0.15

< Display of Reject code >

ON: Non-Display

OFF: Display

< Definition of Bill-End (option) >

ON: 10~30 remain

OFF: No bill remains

CAUTION !

Please turn on power again after changing the Dip Switch