

Product Specification

Model : LCDM-2000
(Cash Dispensing Unit)

Total Page : 8 Page (including cover)

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Version : V3.42(INT)



PULOON Technology Inc.

R e v i s i o n

Rev. No	Date	Description of Change	Page
V3.0(INT)	02.04.01		
V3.1(INT)	02.04. 24	Dip switch setting (7 th ,8 th on the SW1)	8 page
V3.2(INT)	02.05.06	LAYOUT	6 page
V3.3(INT)	02.07.04	Dip switch figure, setting (2 nd on the SW1)	8 page
V3.4(INT)	05.05.26	Flow Control	7 page
V3.42(INT)	05.11.23	Rated consuming current	5 page

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1. Preview and Features

1.1 Preview

LCDM-2000 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 from 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 to even small space
- 6) To speed at a rate of 3 notes/sec
- 7) To dispense 2 denomination
- 8) 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	2 Denomination
2.1.2 Cassette Capacity	approx. 1,000 notes (123mm)
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 356(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 Chapter 4.4)
2.1.11 Interface	RS 232C

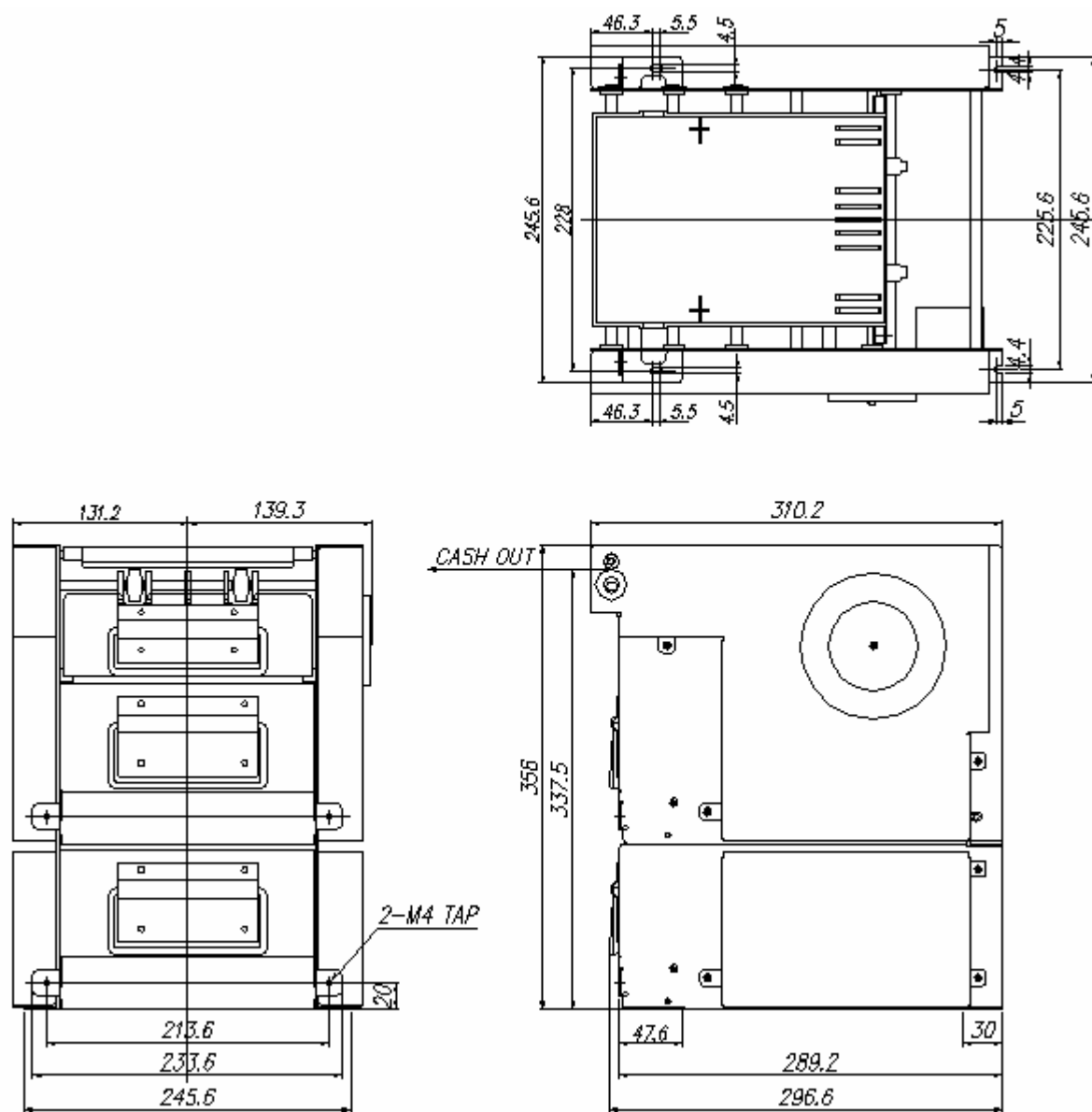
2.2 Electrical Features

2.2.1 Rated Voltage	DC24V $\pm$ 10%
2.2.2 Rated Consuming Current	Load current, continuous MIN - 0.16A MAX - 1.9A Load current, peak Max - 4.5A

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 bottom of the LCDM-2000 main controller.

Connector on Controller : MOLEX 5566VWO-02

Matching Connector : MOLEX 5557D-02

Pin No	Function
1	+24V
2	GND

4.2 Communication Connector

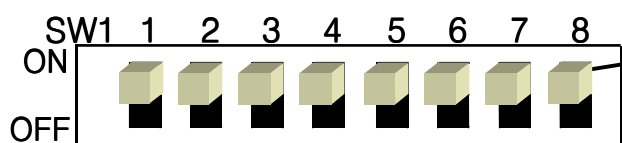
The communication connector is positioned at the bottom of the LCDM MAIN Controller PCB. It is 9-way and D-type connector.

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
Flow Control	None

4.4 Dip Switch Assignment



This figure is defined as state "ON"

< Choice of currency in the Upper Cassette >

ON : Height of Note 73mm ~ 78mm

OFF: Height of Note 62mm ~ 72mm

< Choice of currency in the Lower Cassette >

ON : Height of Note 73mm ~ 78mm

OFF: Height of Note 62mm ~ 72mm

< Display of Reject code >

ON : Non-Display **OFF:** Display

< Baud Rate >

ON : 9600 bps

OFF: 19200bps

< Thickness criterion for currency used in Upper Cassette >

ON : Note Thickness = 0.10 ~ 0.12

OFF: Note Thickness = 0.13 ~ 0.15

< Thickness criterion for currency used in Lower Cassette >

ON : Note Thickness = 0.10 ~ 0.12

OFF: Note Thickness = 0.13 ~ 0.15

< Adaptation of over-reject stop function (option) >

ON : Continue to dispense in spite of over-rejected

OFF: Stop when over-rejected
(over-reject: bills over 21 are rejected)

< Definition of Bil-End (option) >

ON: 10~30 bills remain **OFF:** No bill remains

CAUTION !

Please turn on power again after changing the Dip Switch