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Product Specification

MODEL : VCDM-200
REV. : 0.9
DATE : 2007. 11. 06



PULOON Technology Inc.

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Revision History

Ver.	DATE	Item		Name
		Title	Details	
0.9	2007.11.06	Released		H.J.KIM

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1 Preview and Features

1.1 Preview

VCDM-200 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 ultrasonic double detect
- 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 compact and slim size so as to be applied to even small space
- 6) To speed at a rate of 2 notes/sec
- 7) After power failure, bills on the path are rejected to reject tray when power turns on again (Auto Reject Function)

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2 Specifications

2.1 General Specifications

2.1.1	Denomination	2 Denomination
2.1.2	Cassette Capacity	60 mm
2.1.3	Dispensing Speed	3 notes/sec
2.1.4	Usable Note Size	Width : 120 ~ 165mm Height: 62 ~ 82mm
2.1.5	Double Feeding Detection	Ultrasonic Type
2.1.6	Reject Capacity	About 20 notes
2.1.7	Access Type	Front Access Type
2.1.8	Dimension (unit: mm)	162(W) x 330(H) x 350(D)
2.1.9	Interface	RS 232C (USB-RS232 Optional)
2.1.10	Near-end Detection (Selectable, Refer to Chapter 4.4)	
	1) Near-end Disabled	All notes are dispensed until Bill-end.
	2) Near-end Enabled	50 will be left and it stops.

2.2 Electrical Features

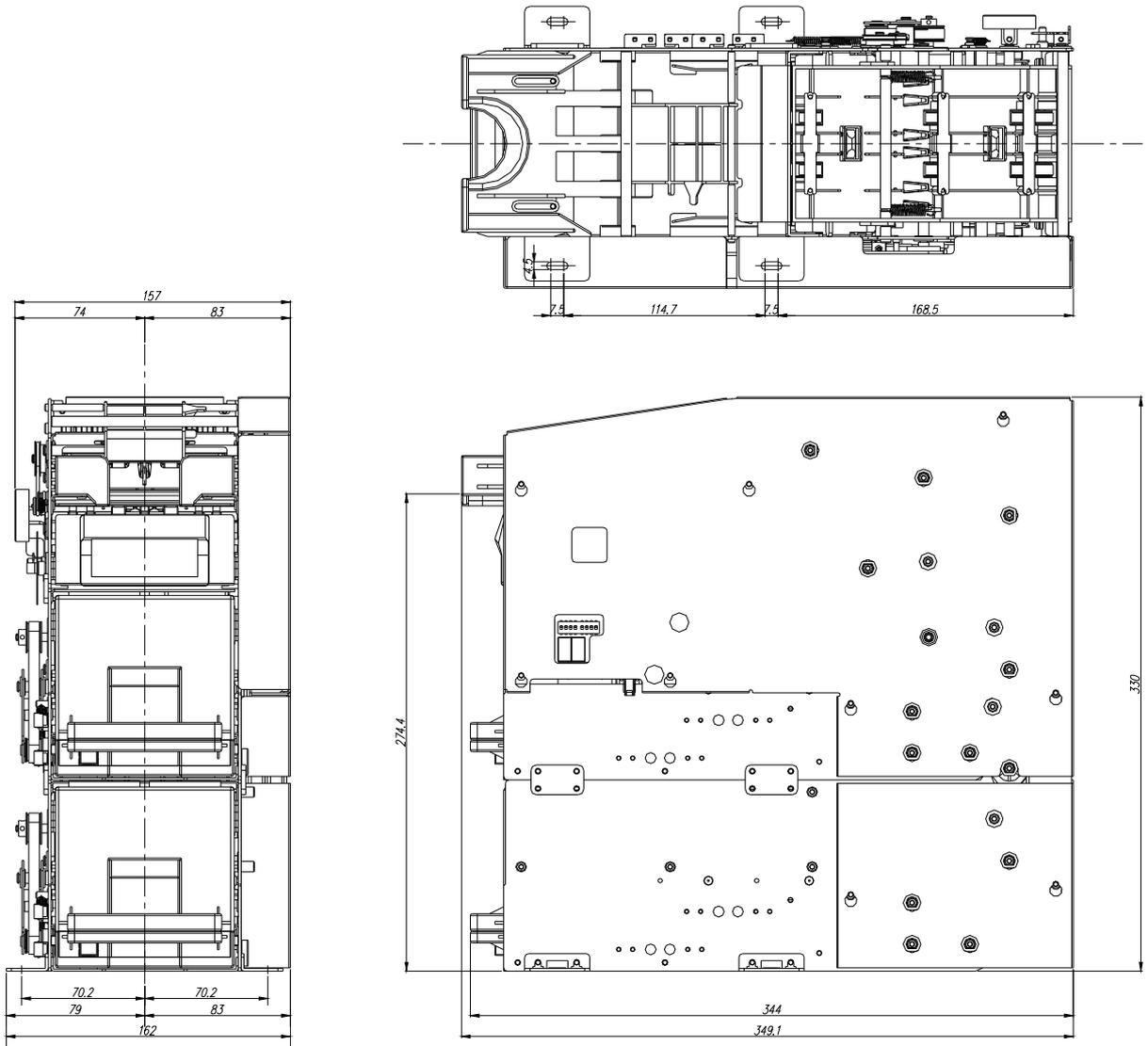
2.2.1	Rated Voltage	DC24V±10%
2.2.2	Rated Consuming Current	
	- Standby Status	160 mA
	- Average Current, continuous	2500mA
	- Average Current, peak	3800mA

2.3 Operation Environment

2.3.1	Operation Temperature	+ 0 °C ~ +40 °C
2.3.2	Storage Temperature	-10 °C ~ +60 °C
2.3.3	Operation Humidity	20% ~ 80% RH
2.3.4	Storage Humidity	10% ~ 90% RH

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3 Layout



(unit: mm)

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4 Connector Specifications

4.1 Power Connector

The power connector is positioned at the bottom of the VCDM-200 main controller.

Connector on Controller : MOLEX 5569-02

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 VCDM main controller PCB. It is 9-way and D-type connector.

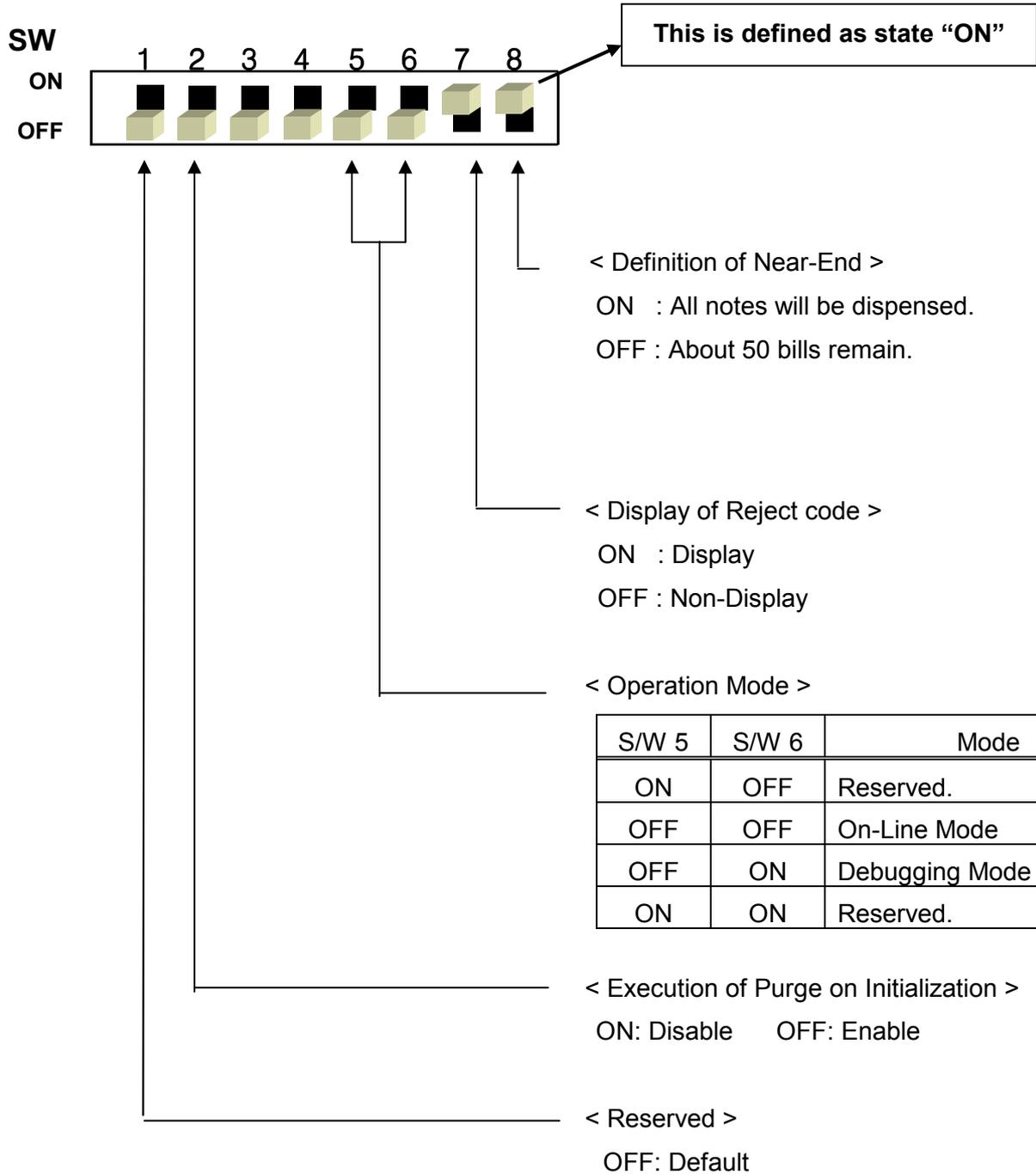
Pin No	Name	Function
1		Not used
2	RxD	Received data
3	TxD	Transmitted data
4		Not used
5	GND	System ground
6		Not used
7		Not used
8		Not used
9		Not used

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4.3 Serial Communication Specifications

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

4.4 Dip Switch Assignment



CAUTION!

Please turn on power again after changing the Dip Switch.