



TDB72

Bill Acceptor
User Guide



Thank you for choosing TOP VME .



Contents



1.Introduction.....	1
1-1.Overview	1
1-2.Features	1
2.Specification.....	2
2-1.General.....	2
2-2.Electronic.....	2
2-3.Machine	2
3.Packing List	2
4.Dimension	3
5.Installation.....	4
5-1.CONNECTOR PIN ASSIGNMENTS.....	4
5-2. DIP Function Setting.....	6
5-3. Software Download	7
6.Maintenance	8
6-1.Cleaning linternal Parts.....	8
7.Troubleshooting.....	9

1.Introduction

1-1.Overview

TDB72 is a banknote acceptor that not only has a high-security module and banknote cassette, but also has a recognition rate and acceptance rate as high as 96% or even higher.

1-2.Features

- Automatic calibration.
- Ease of maintenance.
- Automatic detection of cash drawer status.



2.Specification

2-1.General

Acceptance Rate	96% or greater
Bill Insertion	Four way acceptable
Interface	TTL / RS232 / MDB
Installation	Indoor

2-2.Electronic

Power Source	12V / 24V DC
Power Consumption	12V - Standby : 0.13A / 1.6W Operation Current : 1.1A / 13.2W
	24V - Standby : 0.1A / 2.4W Operation Current : 0.65A / 16W
Temperature Range	Operating Temperature : 0° C~60° C
	Storage Temperature : -10° C~80° C
	Humidity : 20%~70%RH (Anhydrous)

2-3.Machine

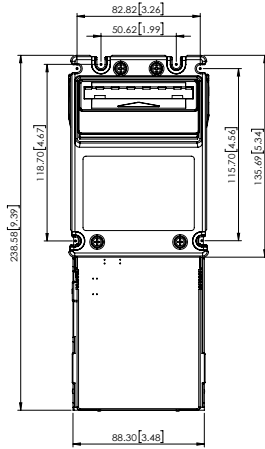
Weight	Approx. 1.46 Kg
Outline Dimension	281.7 x 94.5 x 238.5 mm
Bill Acceptor Width	62 mm ~ 72 mm
Bill Capacity	Approx. 1000 bills

3.Packing List

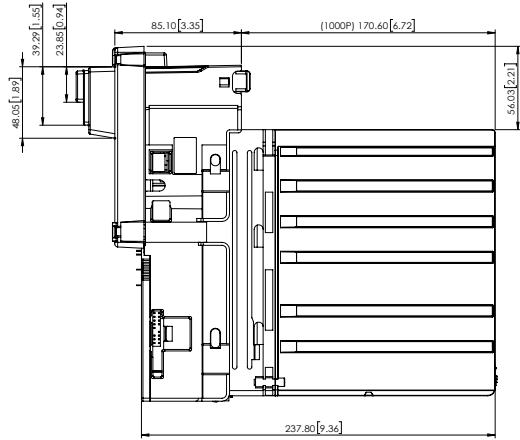
Accessories	TDB72 Bill Acceptor
	CONNECTOR PIN ASSIGNMENTS
	External Label

4.Dimension

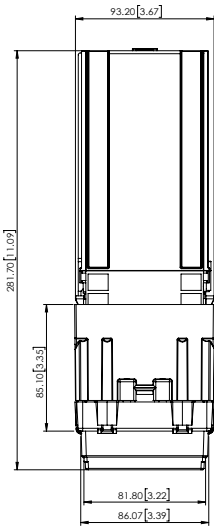
Dimension : mm [inch]



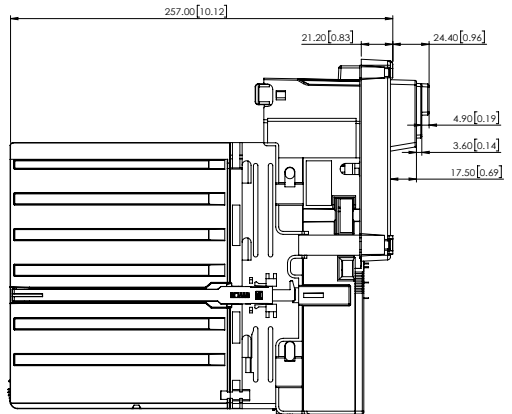
Front



Right



Top

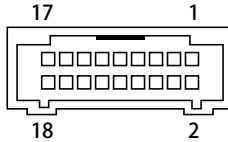


Left

5.Installation

5-1.CONNECTOR PIN ASSIGNMENTS

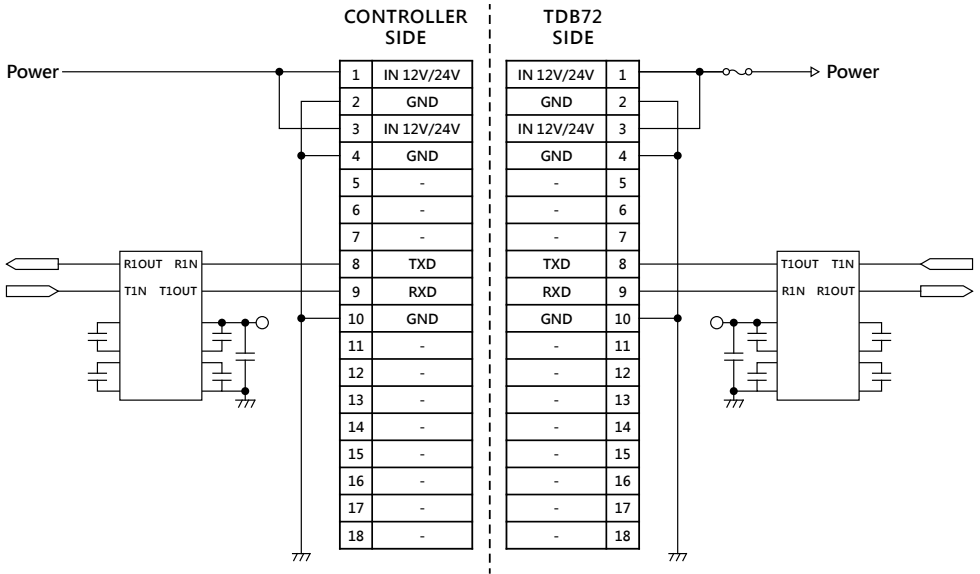
74164-0118(Molex)



PIN NO	PIN DEFINE	I/O	Function
PIN1	+12 V/+24V	-	Power Supply
PIN2	GND	-	Power Ground
PIN3	+12 V/+24V	-	Power Supply
PIN4	GND	-	Power Ground
PIN5	-	-	Reserved
PIN6	-	-	Reserved
PIN7	-	-	Reserved
PIN8	TXD	OUT	RS-232 Serial Communication Output Signal Line from Validator to Controller
PIN9	RXD	IN	RS-232 Serial Communication Input Signal Line from Validator to Controller
PIN10	GND	-	Signal Ground
PIN11	-	-	Reserved
PIN12	-	-	Reserved
PIN13	-	-	Reserved
PIN14	-	-	Reserved
PIN15	-	-	Reserved
PIN16	-	-	Reserved
PIN17	-	-	Reserved
PIN18	-	-	Reserved

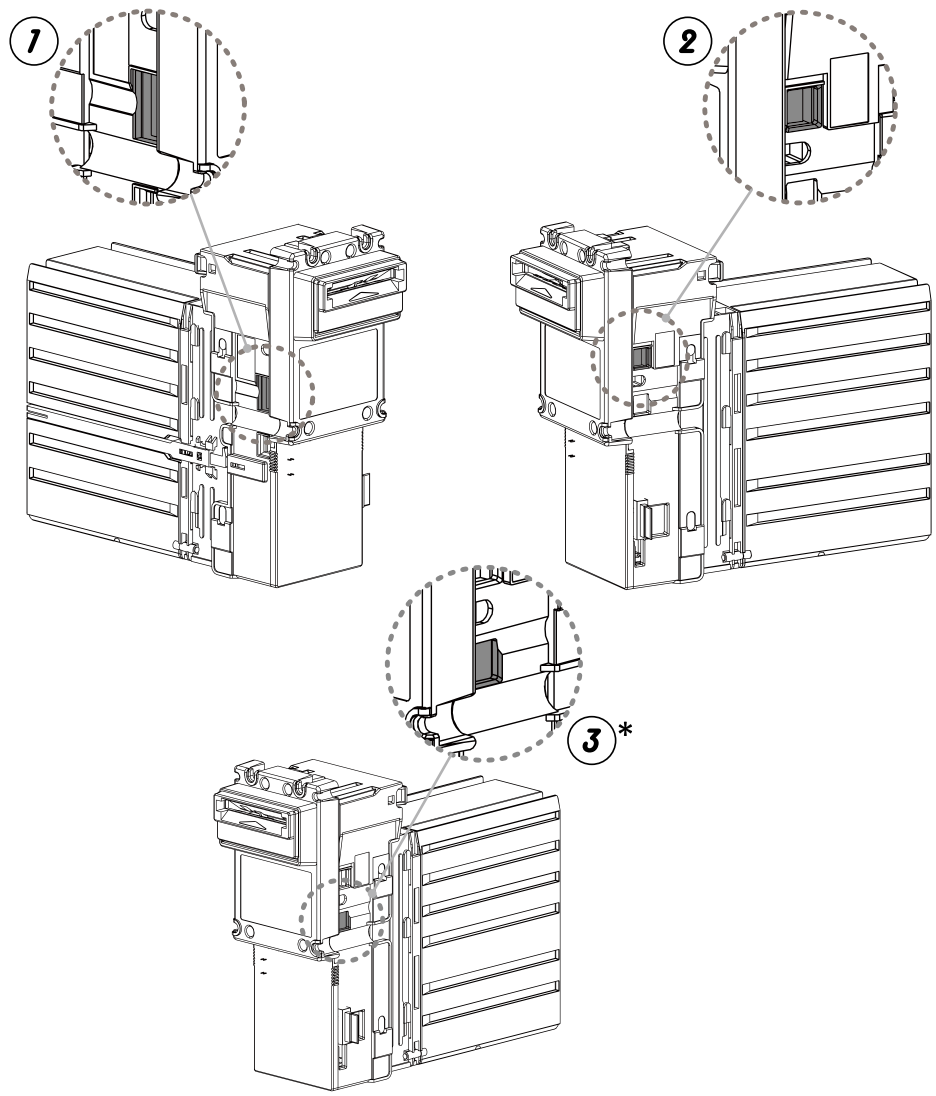
*I/O(input/output) is the terminal as viewed from the Banknote Validator’s backside.

RS232 Interface Schematic Diagram.



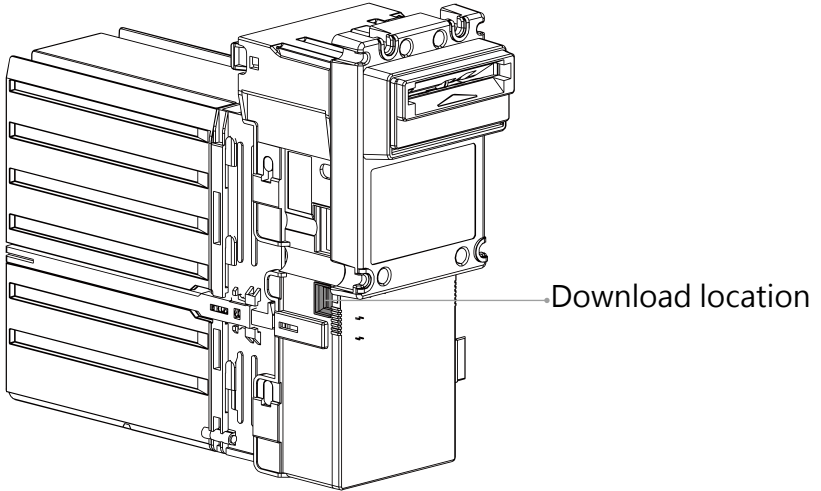
5-2. DIP Function Setting

Three DIP switches are located on (1), (2) sides of TDB72, and (3) CPU board.



5-3. Software Download

For the download method, please refer to the G-BOX user manual, which can be obtained from the local agent or contact us via email service@topvme.com.tw.



5-3-1. Interface Settings (Dip Switch 3)

TOP101 Protocol Interface

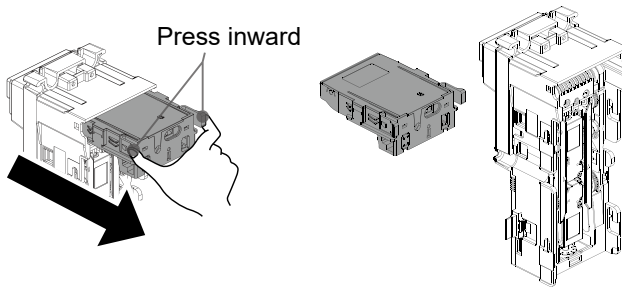
1	2	3	4
ON	OFF	ON	ON

6.Maintenance

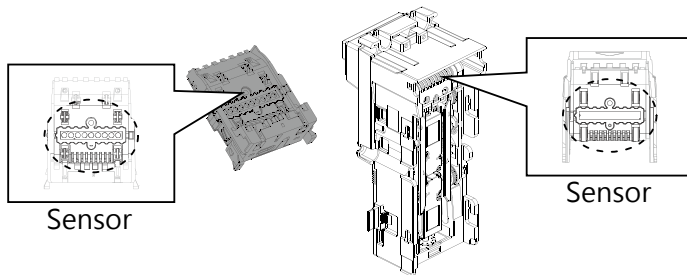
When using the banknote acceptor, any foreign matter on the LED or sensor may affect the receiving speed or cause banknote jams. To ensure the smooth operation of the banknote acceptor, please clean the inside of the machine regularly.


6-1.Cleaning Internal Parts

1. Press the buttons on both sides of the bill path and pull the upper base out.



- 2.Clean the bill path and sensor with a soft dry cloth or towel.

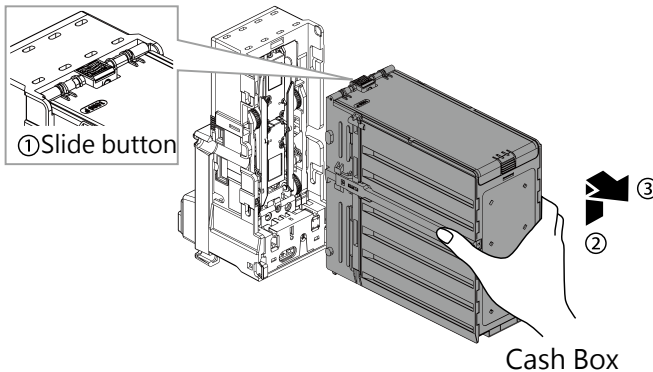


	Maintenance Notice	
	<i>(Any improper maintenance will result invalid warranty.)</i>	
	Recommended	Mild, non-abrasive, a small amount of soapy water.
DO NOT USE	Organic solvent , Alcohol, Volatile liquid.	

7.Troubleshooting

LED blinks	State	Solution	
1	Green	Calibration card correction	Please use the TOP white card to calibrate
1	Red	Bill jammed	Slide the button on the top and follow the note path to remove the cash drawer (pictured below), then remove the jammed note
2	Red	Disabled	Check whether the dip switch is correct
3	Red	General sensor failure	Check for foreign objects on the sensor or banknote path and remove
3+2	Red	Anti-fishing hook sensor failure	Check for foreign objects on the anti-theft hook and remove
4	Red	Money fishing detection sensor failure	Check for foreign objects on the sensor or banknote path and remove
5	Red	Bill machine cash drawer removed	Check the sensor or status of the cash drawer
6	Red	Defective note press or cash drawer full	Check the note platen or empty the cash drawer
7	Red	Motor failure	Check for foreign objects on the sensor or banknote path and remove them

Note: The LED lights are all cash receiving port indicators.



If the error can not be solved after corrective actions or happen again, please contact TOP for technical support.



Top Vending Machine Electronics Co., Ltd.

NO.11, Anzhong St., Luzhu Dist., Taoyuan City338, Taiwan, (R.O.C.)

Phone : +886-3-3115969 · Fax : +886-3-3115970

E-mail : sales@topvme.com.tw

Website : www.topvme.com



Top Vending Machine Electronics Co., Ltd.



www.topvme.com