



# BRP70 series

Bill Acceptors  
User Guide



Thank you for choosing TOP VME .





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## 1. Introduction

### 1-1. Overview

The BRP70 series is a new generation of high security banknote and barcode receivers developed by TOPVME. Its acceptance rate of banknotes and barcodes is 96% or greater. At the same time, with the Barcode System developed by TOPVME, it provides you the most completed lottery and account management system and compatible with different types of panels and cash drawers, able for you to offer convenient and efficient service to your customer.

### 1-2. Features

- Four ways bill acceptance.
- Four ways barcodes acceptance.
- High receiving rate.
- Multiple bezel selections.
- Stacker with two bill capacity configuration: 500 bills and 800 bills.
- High security by protective mechanism.



## 2. Specifications

### 2-1. General

Acceptance Rate	96% or greater (Dirty, damp, torn, or wrinkled banknotes and tickets are excluded.)
Processing Time	3 seconds
Interface	Pulse/RS232 、Pulse/ccTalk 、Pulse/TOP101
Installation	Indoor
Bill Insertion	Four way acceptable

### 2-2. Barcodes

Barcodes	Interleaved 2 of 5
Thin Line	0.5mm
Thin line : Thick line	1 : 2
Word Count	20 words

### 2-2. Electrical

Power Source	12V DC $\pm 5\%$
Power Consumption	12V DC Standby : 350mA / 4.2W Operating : 2A / 24W
Operation Environment	Operation Temperature : 0° C~60° C Storage Temperature : -10° C~80° C Humidity : 20%~70%RH (no condensation)

### 2-3. Mechanical

Weight	BRP70-P5 Approx. 1.55Kg BRP70-P8 Approx. 1.56Kg
Outline Dimension	Please refer to Chapter 4 - Dimension
Bill Box Capacity	Approx. 500 bills (P5 Series) Approx. 800 bills (P8 Series)
Bill Accepted Width	62 ~ 70mm



### 3. Packing List

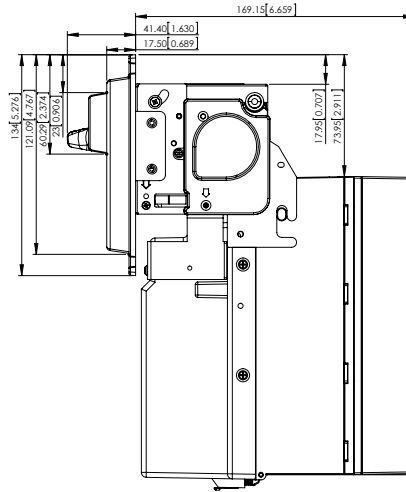
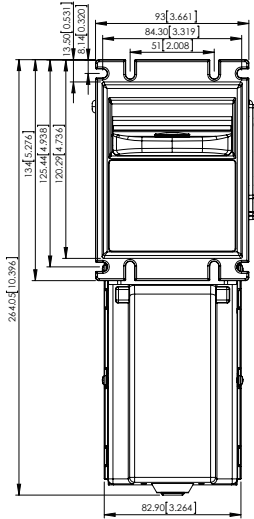
Main	BRP70 Bill Acceptors
Accessories	Harness : please refer to 5-1
	Bezel Sticker
	Metal Frame (Purchase)
	Screw Set (Purchase)
	Vandal-proof plate (Purchase)



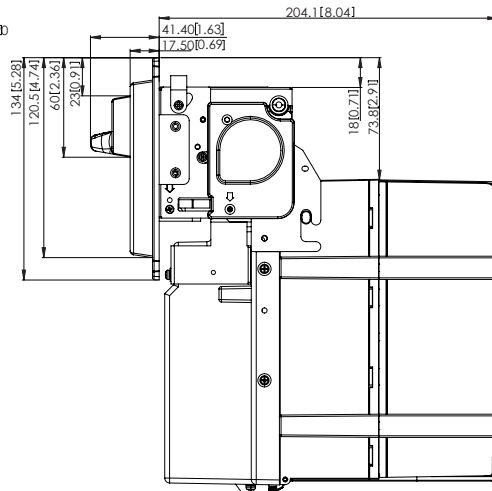
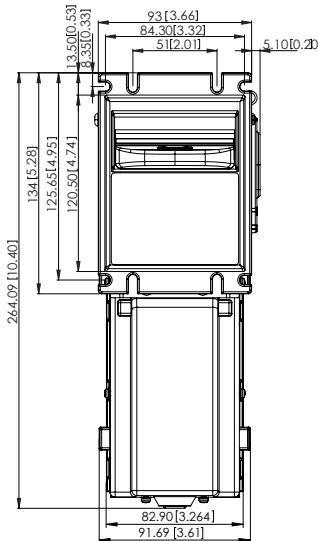
## 4. Dimension

Unit : mm [ inch ]

BRP70-P5 Upper Bezel



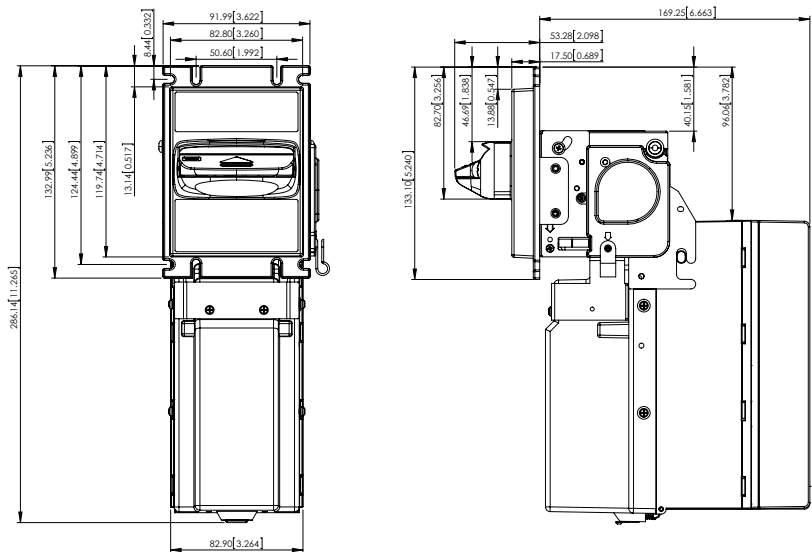
BRP70-P8 Upper Bezel



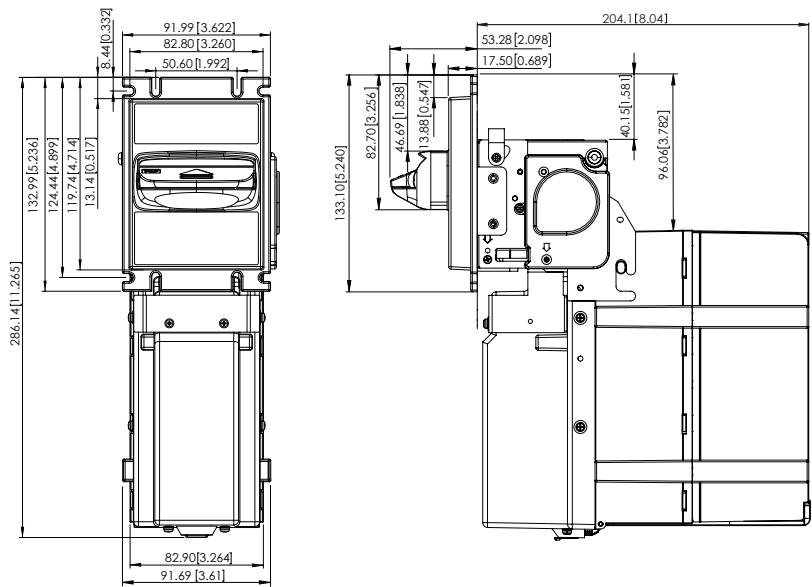


Unit : mm [ inch ]

BRP70-P5 Middle Bezel



BRP70-P8 Middle Bezel



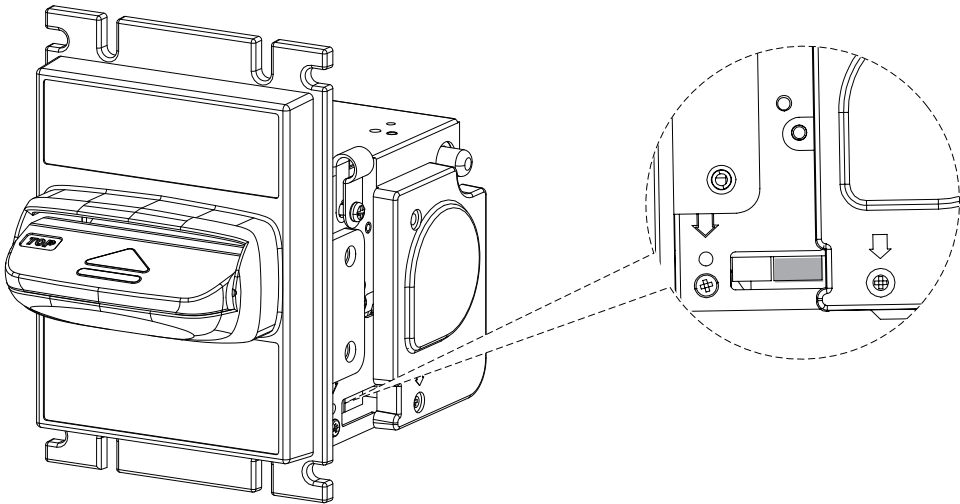




## 5. Installation

### 5-1. Harness Application

Interface	Voltage	Usage	Harness	Page
PULSE	12V DC	Power & Data Communication	WEL-R7U02	7
		Extension Cable	CU-R961-1	8
RS232		Power & Data Communication	WEL-R7U02	7
		Extension Cable	CU-R961-1	8
		Data Communication	WEL-R7U06	9



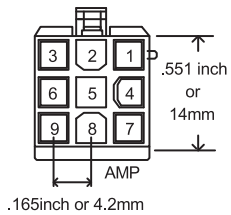
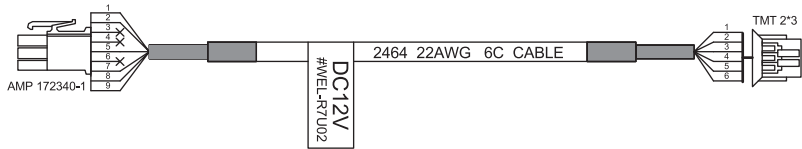
NOTE : Software download

Please refer to G-Box user guide for G-Box firmware download or update process instructions, the user guide can be obtained from the local sales agent or downloaded from "[www.topvme.com](http://www.topvme.com)" download section.



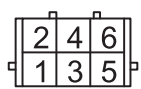
# HARNESS FORMAT

## WEL-R7U02



AMP 172340-1 BACK VIEW

PIN NO	COLOR	PIN DEFINE
PIN1	YELLOW	INHIBIT +
PIN2	GREEN	INHIBIT -
PIN5	RED	+12V DC
PIN7	BLUE	METER +
PIN8	PURPLE	METER -
PIN9	ORANGE	GND



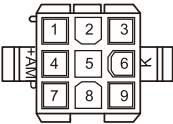
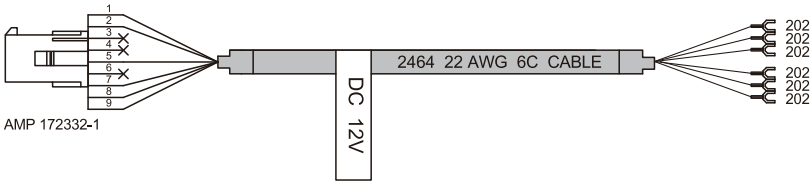
TMT 2\*3 BACK VIEW

PIN NO	COLOR	PIN DEFINE
PIN1	RED	+12V DC
PIN2	ORANGE	GND
PIN3	YELLOW	INHIBIT +
PIN4	GREEN	INHIBIT -
PIN5	BLUE	METER +
PIN6	PURPLE	METER -



# HARNESS FORMAT

CU-R961-1

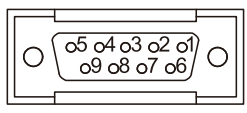
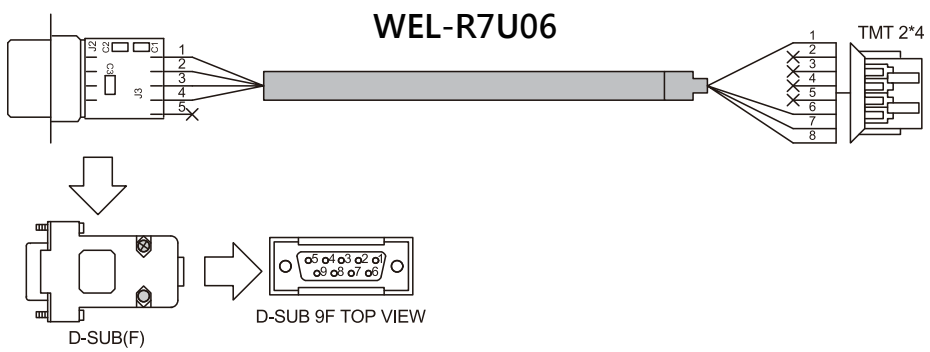


AMP 172332-1  
BACK VIEW

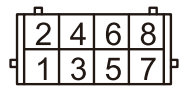
PIN NO	COLOR	PIN DEFINE
PIN1	YELLOW	INHIBIT+
PIN2	GREEN	INHIBIT-
PIN5	RED	+12V DC
PIN7	BLUE	METER+
PIN8	PURPLE	METER-
PIN9	ORANGE	GND



# HARNESS FORMAT



PIN NO	PIN DEFINE
PIN2	TXD
PIN3	RXD
PIN5	GND

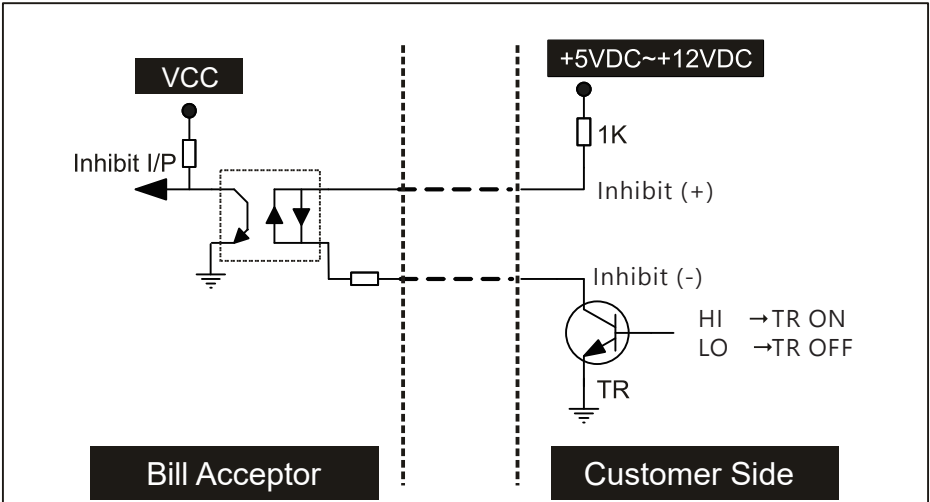
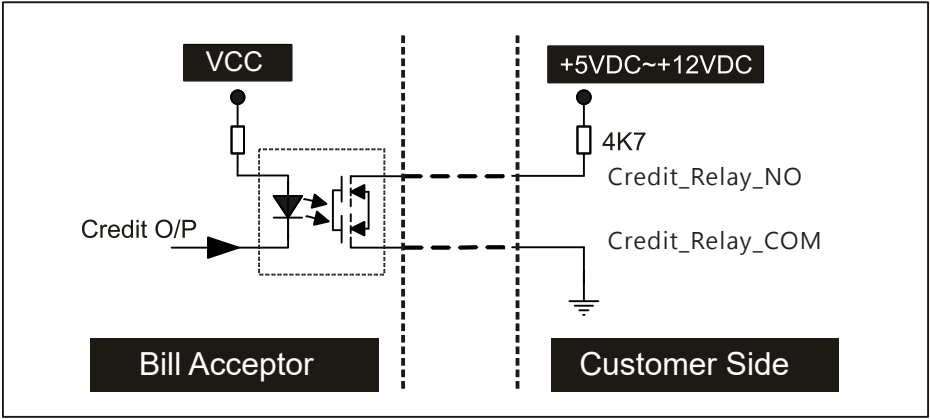


TMT 2\*4 BACK VIEW

PIN NO	COLOR	PIN DEFINE
PIN1	BLUE	GND
PIN6	WHITE	VCC
PIN7	BLACK	RXD
PIN8	PURPLE	TXD

Topvme

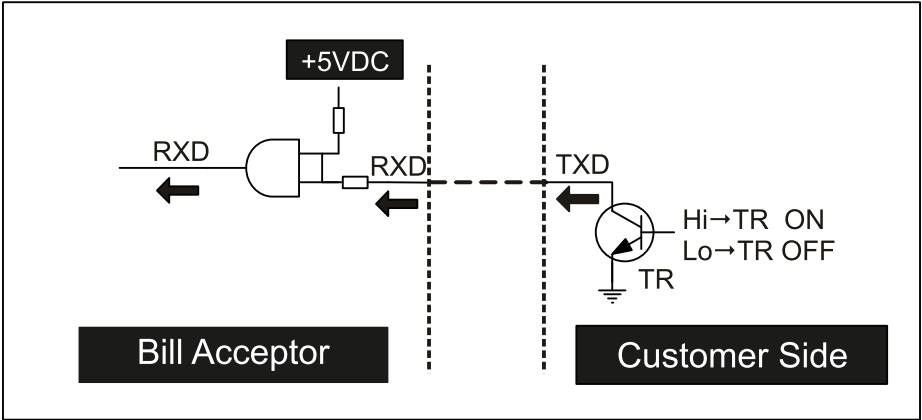
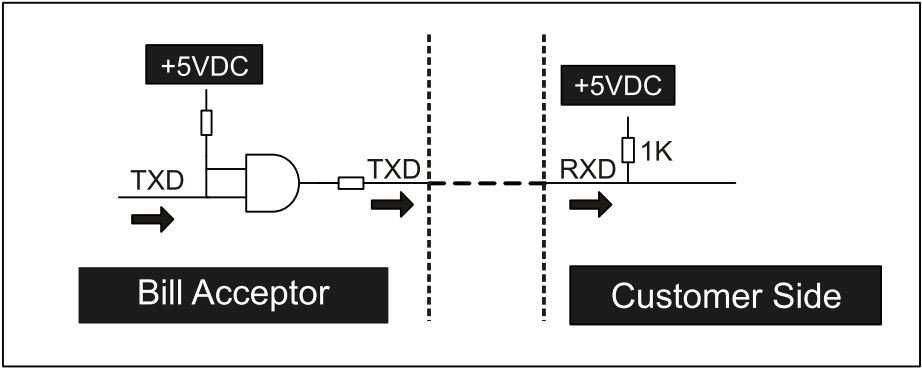
5-2. I/O Circuit  
PULSE INTERFACE



BA Status	DIP SW Setting		Control Signal
Inhibit	Inhibit Active	Low	Low
		High	High
Enable	Inhibit Active	Low	High
		High	Low



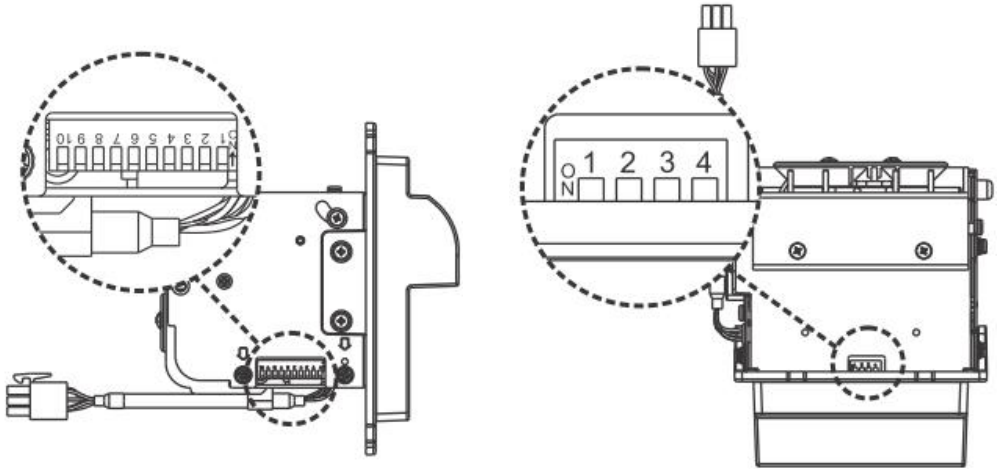
Standard RS232 Protocol





### 5-3. DIP Switch Setting

There are DIP switches located at the side part of the BRP70series. Depends on different currencies and credit output formats used; the DIP switch setting can be adjusted easily to fit user's needs. The DIP switch located at the bottom of the BRP70series is intended for interface settings.





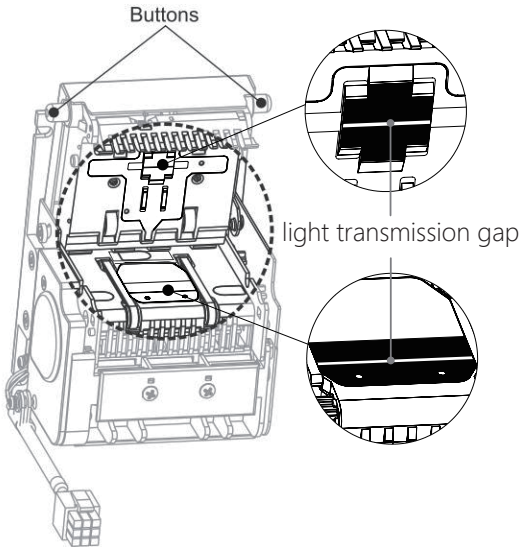
## 6. Maintenance

If LED or sensor interfered by foreign objects may cause bill jamming and decrease acceptance rate. To make sure the bill acceptor always works smoothly, please clean the internal parts regularly.

To clean the internal parts :

- 1. Turn Bill Acceptor off.
- 2. Open LED Assembly by pushing buttons on both sides.
- 3. Use a soft, dry cloth or towel to clean the bill path and sensors.

\*\*To prevent interfere the barcode reading, make sure keep the light transmission gap always in cleancondition, avoid any dirt and dust sticking on it.



## 7. Troubleshooting

LED Flash	Status	Corrective Actions
1	Bill jammed	Open bill path unit and then remove the jammed bill.
2	Disable	Adjust correct DIP switch setting.
3	Sensor error	Inspect for foreign objects on sensor or bill path and clean.
3+2	Hook sensor error	Inspect for foreign objects on security hook and clean.
3+4	Fish sensor error	Inspect for foreign objects on sensor or bill path and clean.
4	A stringing attempt has detected	Inspect for foreign objects on sensor or bill path and clean.
6	Stacker error or stacker full	Inspect for foreign objects on stacker and clean or empty the bill box.
7	Motor error	Inspect for foreign objects on bill path and clean.









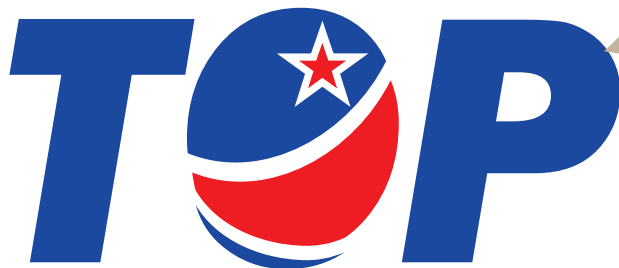
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