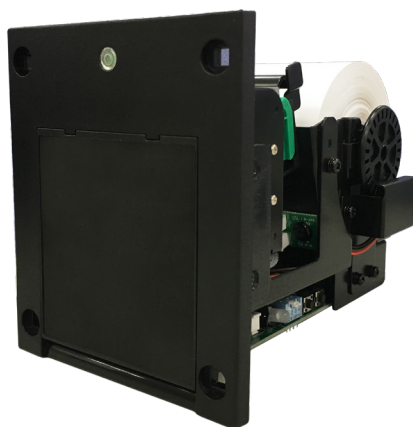




TGP58 seires

Printer
Installation 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. Cutter	2
2-3. Thermal Print head.....	2
3. Dimension.....	3
3-1. TGP58 Dimension	3
3-2. TGP58-L Dimension	4
4. The hardware setup.....	5
4-1. Connection Setting	5
4-2. LED and DIP Switch Setting.....	6
4-3. Setting Step.....	7
5. Battery setup.....	8
6. Roll Installation Guide	8
7. RS232 Command Format.....	9
7-1.Transmission Specification	9
7-2. Reading the date and time.....	9
7-3. Setting the date and time Command	9
7-4. Upload trademark graphic formats	9
7-5. Typeset print function	10

7-6. NO / NC choose11

7-7. Upload text.....11

7-8. Clear diary.....11

7-9. Cut the paper.....11

7-10. Direct Print format graphics.....11

7-11. Print format text directly.....12

7-12. Print Score Reports12

7-13. Print diary13

7-14. Retrieve Software Version13

7-15. Read machine status.....13



1. Introduction

1-1. Overview

TGP58 system with built-in clock, local time can be set before shipment, mark the time on the printed document.

Provide users with one-day and summary reports, free to choose to delete, the document has a typesetting function, users can easily download or design document formats, trademarks, etc. The document format is stored via TGP58 for future use.

1-2. Features

- Easy grasp data
- Recode data quickly and securely
- Query and print easily



2. Specification

2-1. General

Power Source	12V DC (10.8~13.2V DC)
Input/Output level	HI : 12V LO : 0V DC
Roll Width	56 ± 0.5 mm
Installation	Indoor
Power Consumption	TGP58 Standby : 0.12A / 1.44W Operation : 2.1A / 25.2W Maximum : 2.5A / 30W
	TGP58-L Standby : 0.23A / 2.76W Operation : 2.22A / 26.64W Maximum : 2.61A / 31.32W
Weight	Approx. 700g(without roll)
Temperature Range	Operation Temperature : 0° C~60° C Storage Temperature : -10° C~80° C Humidity : 20%~70%RH(no condensation)

2-2. Cutter

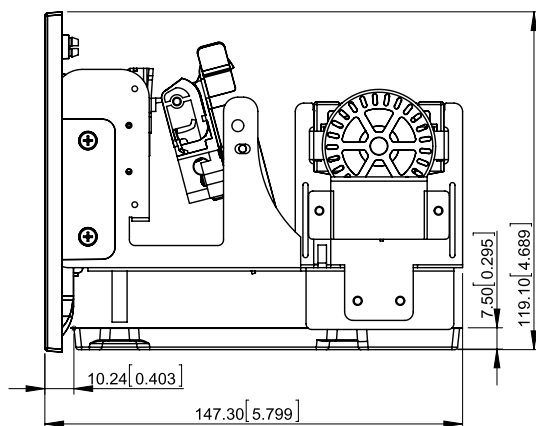
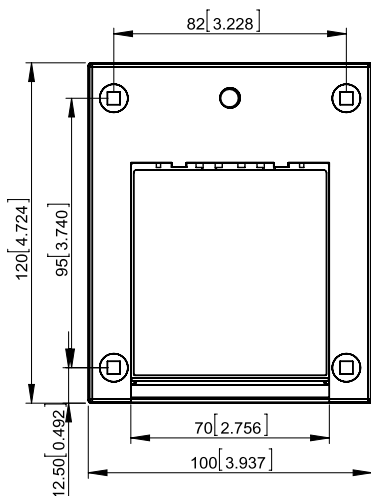
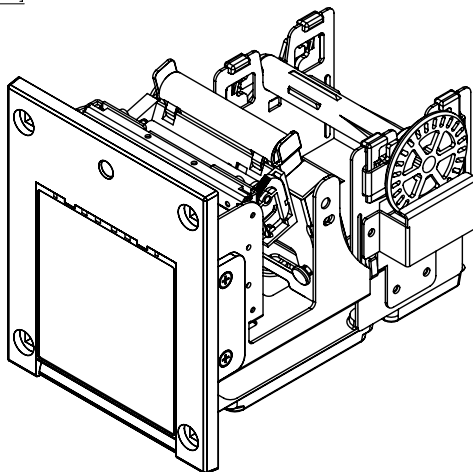
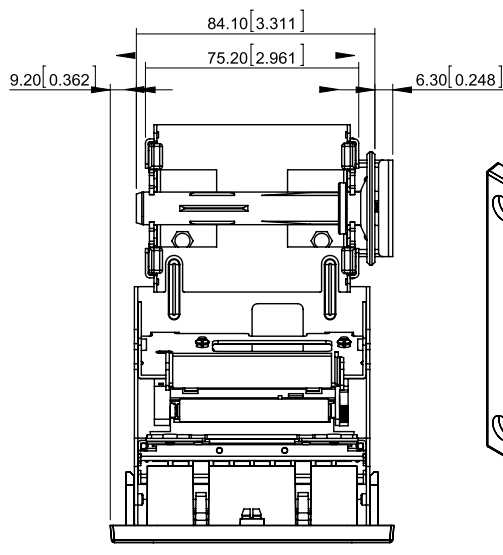
Thickness	Maximum 0.12mm
Life	Up to about 500,000 times
Time	Fastest 1 time/ seconds

2-3. Thermal Print head

Life	30 km
Resolution	8 Ponints / mm
Speed	40 mm / sec

3. Dimension

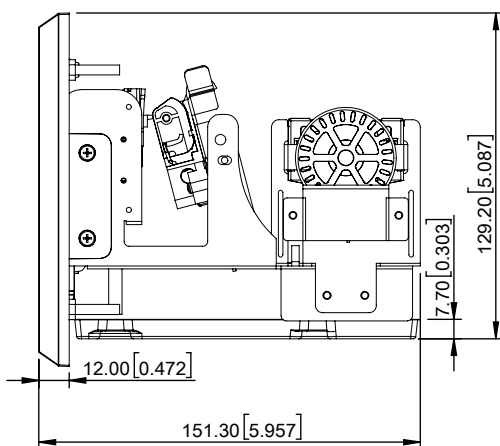
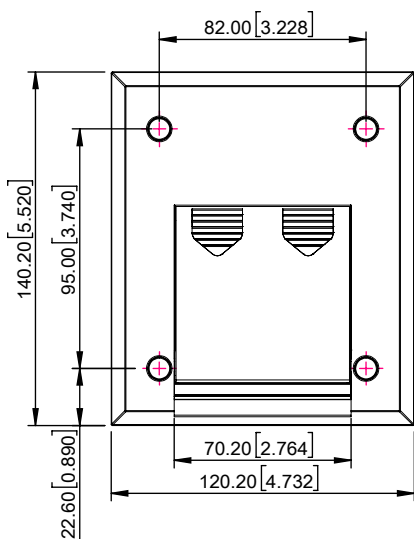
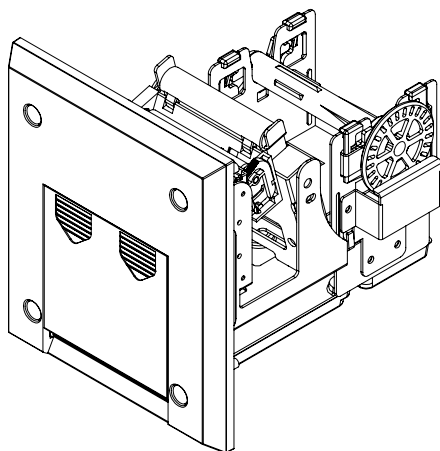
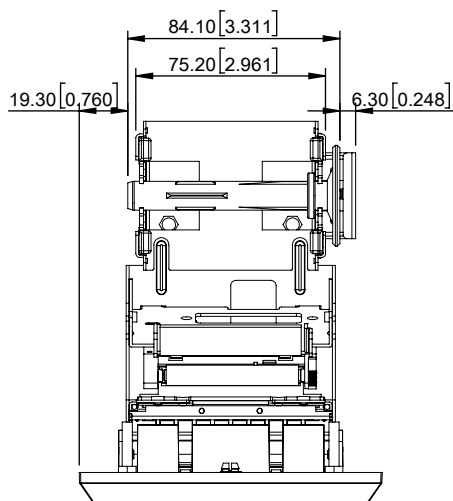
3-1. TGP58 Dimension



Unit : mm [inch]



3-2. TGP58-L Dimension

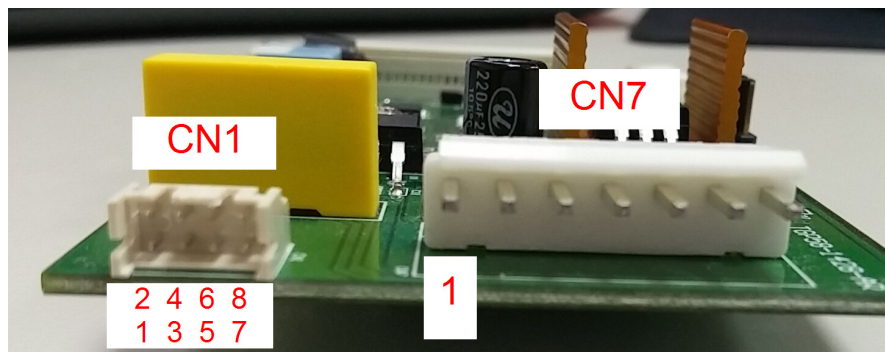


Unit : mm [inch]

4. The hardware setup

4-1. Connection Setting

Please read the table below for information on connectors :



CN1 Serial Interface	
PIN 1- GND	PIN 5- RESET
PIN 2- X	PIN 6- VCC (+5V DC)
PIN 3- PGD	PIN 7- RX
PIN 4- PGC	PIN 8- TX

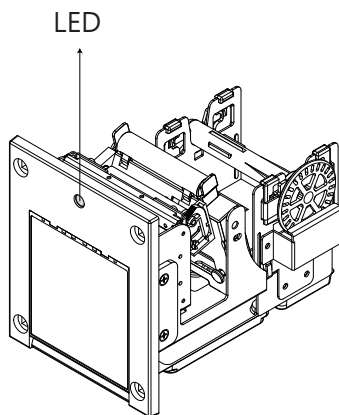
PULSE MODE				
PIN	LINE COLOR	FEATURES	SIGNAL	I/O
1	Red	+12V DC		
2	Black	GND		
3	Brown	Coin	PULSE	I
4	Orange	Note	PULSE	I
5	Yellow	Payout	PULSE	I
6	Green	NC		
7	Blue	Error	Low active	O

HOPPER MODE				
PIN	LINE COLOR	FEATURES	SIGNAL	I/O
1	Red	+12V DC		
2	Black	GND		
3	Brown	Coin	PULSE	I
4	Orange	Note	PULSE	I
5	Yellow	HOPPER SSR	Low active	I
6	Green	HOPPER SW	PULSE	O
7	Blue	Error	Low active	O

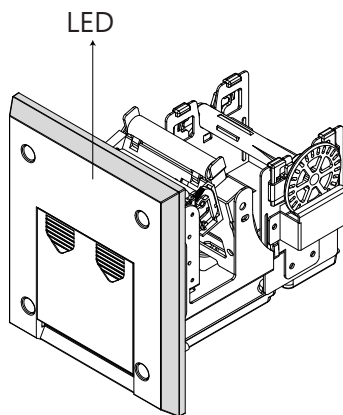


4-2. LED and DIP Switch Setting

A.Bezel LED : Normal - LED light · Error - LED is off

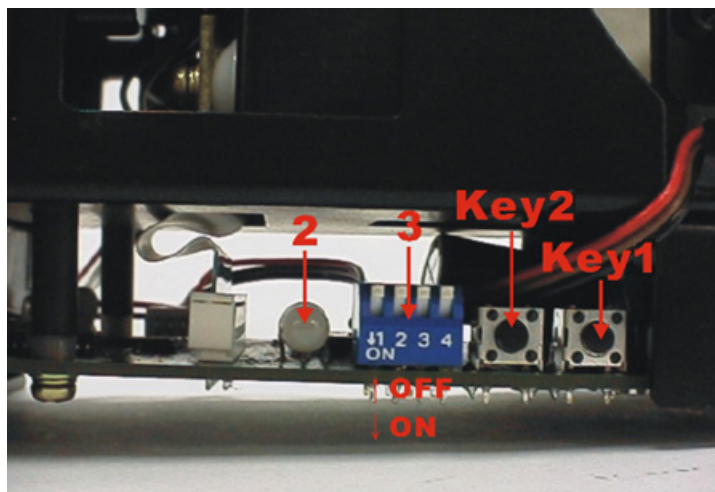


TGP58



TGP58-L

B. Status light : Normal : LED is green ; Error : LED is red .



C. DIP Switch

Features	SW1	SW2	SW3	SW4
Paper cutting part	OFF			
Completely cut paper	ON			
Pulse Width 30ms		OFF	OFF	
Pulse Width 50ms		ON	OFF	
Pulse Width 100ms		OFF	ON	
Pulse Width 200ms		ON	ON	
Normal High (NC)				OFF
Normal Low (NO)				ON

D. KEY1 and KEY2

- Press KEY1 once · Print daily report
- Hold for KEY1 more than two sec. The last record before printing
- Press KEY2, Paper forward

4-3. Setting Step

A. Connect the power cord to the PCBA signal CN7

B. Will roll in accordance with the direction of the grating mounted to the machine roll groove .

C. RS-232 interface or bill format setting :

The RS232 cable connects CN1 computer terminals and printer's COM port.

D. Turn the power on, put paper in the printer, the machine automatically senses the paper (about 2 seconds) and the feed paper into the printer. If the installation is successful, the operated lights will turn on and turn into standby mode on the panel.

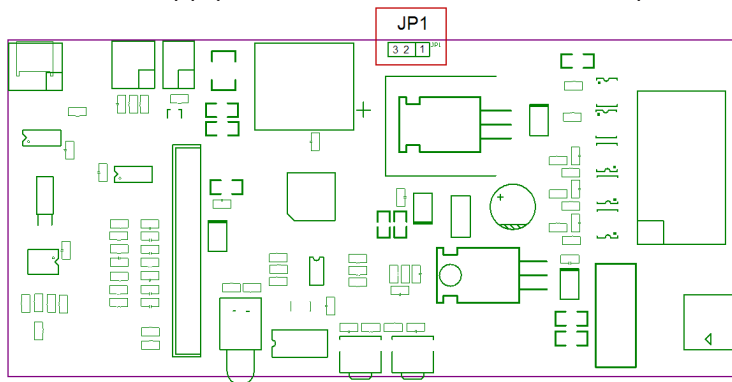


5. Battery setup

1、2 PIN shorted : Enable

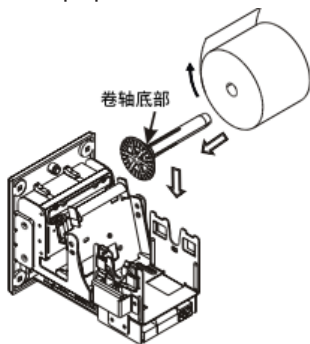
2、3 PIN Short : Disable

Enable is default setting, the battery will charge after connecting power, that will supply the internal clock when turn off power.

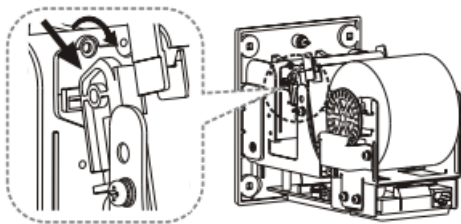


6. Roll Installation Guide

1. The new paper roll into the clockwise direction.



2. The printer lever pushed clockwise.





7. RS232 Command Format

7-1. Transmission Specification

Transmission Method	Full Duplex Transmission
Transmission Speed	38400 Baud Rate
Synchronizing Method	Asynchronous Method
Data Format	Start bit 1, Data bit 8, Parity bit none, Stop bit 1

7-2. Reading the date and time

Byte1	Byte2
1Bh	F0h

7-3. Setting the date and time Command

Command :

Byte1	Byte2	Byte3~12	Byte13
1Bh	F1h	Data	Format

Return code:

Byte1	Byte2
77h	33h

Style :

Format	Command
yy/mm/dd	0x00
mm/dd/yy	0x01
dd/mm/yy	0x02
yy/dd/mm	0x03

For example : at 17:33 on August 13, 2014

The command is : 1Bh F1h 31h 34h 30h 38h 31h 33h 31h 37h 33h 33h 00h

7-4. Upload trademark graphic formats

Picture width and file size are respectively limited to 384 pixel and 16kb.

Byte1	Byte2	Byte3	Byte4	Byte5~52
1Dh	F4h	Graphic size low-tuple	Graphic size high-tuple	Data



Return code :

48bytes Data received correctly	42h
All data reception is completed	ABh

7-5. Typeset print function

Byte1	Byte2	Byte3~ Byte32
33h	BBh	Data

*Parameters1 : Byte3,Byte5,Byte7~~~~~,Byte31 Information Content

Blank lines	20h	Character2	75h
Trademark	4Ch	Character3	76h
Two-dimensional code	51h	Character4	77h
Fraction	50h	Character5	78h
date	44h	Character6	79h
Barcode	42h	Character7	7ah
character1	74h	Character8	7bh

*Parameters1 : Byte4,Byte6,Byte8~~~~~,Byte32 Information Content

If the parameter 1 is a trademark of a two-dimensional code, date or barcode, please set parameter 2 to B0h

No parameters	B0h
---------------	-----

If the parameter 1 is to choose a score, a text 1, text 2,text 3, or text 4.
The Parameter 2 options are set as follows:

1*1 Font	B1h	2*4 Font	B4h
1*2 Font	B2h	3*3 Font	B5h
2*2 Font	B3h	3*6 Font	B6h

If this parameter 1 is set to a "blank line" Parameter 2 options are set as follows :

Empty 1 row	1h	Empty 6 row	6h
Empty 2 row	2h	Empty 7row	7h
Empty 3 row	3h	Empty 8 row	8h
Empty 4 row	4h	Empty9 row	9h
Empty 5 row	5h	Empty 10 row	10h

Receive information is complete, it will respond to 06h.



7-6. NO / NC choose

Byte1	Byte2	Byte3
33h	BCh	Data

Byte3= 00h (pulse normal High)

Byte3= 01h (pulse normal Low)

7-7. Upload text

Byte1	Byte2	Byte3	Byte4	Byte5	Byte6	Byte7	Byte8	Byte9
33h	BDh	Data1	Data2	Data3	Data4	Data5	Data6	Data7
Byte10	Byte 11~34	Byte 35~58	Byte 59~82	Byte 83~106	Byte 107~130	Byte 131~154	Byte 155~178	Byte 179~202
Data 8	Data 9	Data 10	Data 11	Data 12	Data 13	Data 14	Data 15	Data 16

Byte3 ~ Byte10 :

Left	00h
Middle	01h
right	02h

7-8. Clear diary

Byte1	Byte2
1Bh	F2h

7-9. Cut the paper

Byte1	Byte2
1Bh	F5h

7-10. Direct Print format graphics

Byte1	Byte2	Byte3~50
1Dh	F8h	Data

Printer will respond to 06h, indicating reception success

Printer will respond 0Ah, representing the failure to receive



7-11. Print format text directly

Byte1	Byte2	Byte3	Byte4~9	End character
1Dh	F7h	Mode	ASCII Character	0Dh

Printer will respond to 06h, indicating reception success.
Printer will respond 0Ah, representing the failure to receive.

	Location Print size (width x height)
Mode = 00h	1x1
Mode = 01h	1x2
Mode = 02h	2x2
Mode = 03h	2x4
Mode = 04h	3x3
Mode = 05h	3x6

ASCII Character input 1~6 digital

7-12. Print Score Reports

Byte1	Byte2
1Bh	F9h

Printer will respond to 06h, indicating reception success.



7-13. Print diary

Byte1	Byte2
1Bh	F9h

Printer will respond to 06h, indicating reception success.

7-14. Retrieve Software Version

Byte1	Byte2
1Bh	FBh

Printer will respond to 12 Bytes of data.

7-15. Read machine status

Byte1	Byte2
1Bh	FCh

Printer will be a normal response to 00h, 01h represent run-out to paper
02h represent that cutter is malfunction.



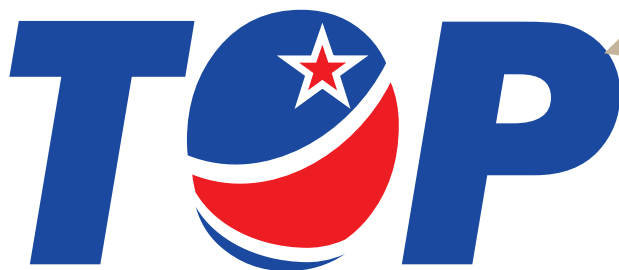
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