

2" PANEL MOUNTING PRINTER PARALLEL INTERFACE

DOT-MATRIX PRINTER 4 NEEDLES SHUTTLE

Introduction

The TP UP-AT is a new type of panel-mounting impact dot matrix printer. It is designed for an easy integration in vertical panels.

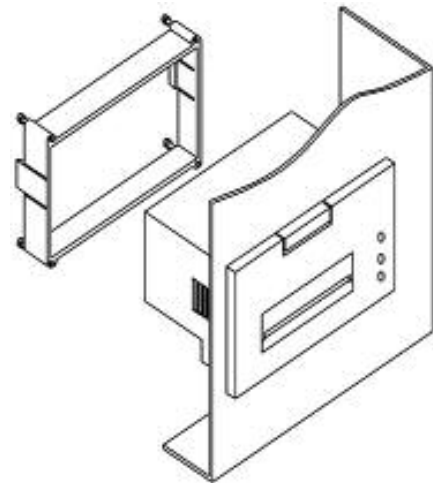
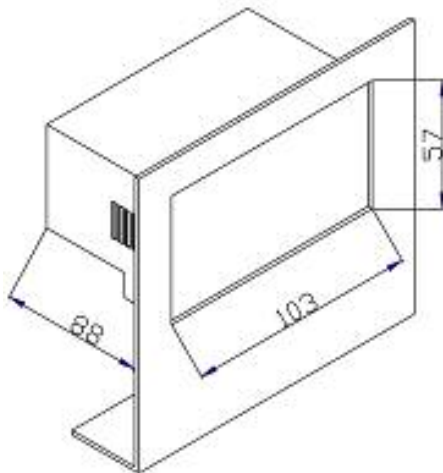
The special features of this printer are small size, light weight, easy operation and connection. This high quality printer possesses a very aesthetic design. It can be used in a wide range of applications. In particular, it is extremely easy to integrate in an instrument panel, in order to design a very compact device.

Characteristics

- Easy paper loading mechanism
- Paper tear bar for easy paper cut
- Paper end detection
- Built-in level 1 & 2 chinese character fonts (GB 2312—1980)
- Printer initialization by low level signal
- Power supply 5 VDC/2.0A (average)



- Easy Paper loading
- Panel mounting
- Paper width 2 inches (58 mm)
- Parallel interface



In order to install the printer in the vertical panel of an equipment, an opening as shown above shall be cut in the panel (57 ±0,1m (W) x 103 +10mm (H)).

Versions and Characteristics				
Version	Characters/line (5×7)	Character size (mm)	Density (dots/line)	Speed (lines/second)
TP UP-AT24	24	1.7×2.4	144	0.7
TP UP-AT40	40	1.1×2.4	240	0.4

Specifications

- Printing method: direct impact dot matrix
- Printing mechanism: 4 pins shuttle
- Character sets:
 - 2 ASCII character sets, 448 characters total, and 32 user-defined characters.
 - Chinese characters, level 1 & 2 (GB 2312 - 1980), 6763 Chinese characters total.
- Characters size:
 - Standard: 5×7
 - Bit-map graphics: 6×8
 - User-defined characters: 6×8
 - Chinese characters: 12×12 or 15×16
- Line space: 1~255 dot lines
- Interface:
 - 8 bit parallel interface
 - port: 26 PIN flat plug
- Control commands:
 - 36 compatible ESC commands,
 - 16 control commands
- Buffer: 30.5K bytes
- Buttons SEL: Select the online/offline state
LF: feeding paper
- Indicator colors :
 - green : online
 - red : offline, no paper
 - orange : online, no paper
 - off : offline

Paper

- Paper width: 57.5±0.5 mm
- Paper thickness: 53~64g/m²
- Outside diameter: 40mm (max)
- Inside diameter: 8.5mm (min)

Ribbon cartridge

- Purple: MDE-250-V
- Black: MDE-250-N



Overall dimensions

- 112mm(w) × 65mm(h) × 88mm(d)
- Weight about 350g (excluding the paper roll)

Power supply

- DC 5V±5%, average current 2.0A, peak value 3A

Operating conditions

- Temperature 0~40°
- Relative humidity 0~80%



Paper loading

The different steps for loading the paper are described as follows:

1. Unlock the front cover and open it.
2. Push the button on the top right corner to release the mechanism head.
3. Lift the mechanism slightly.
4. Take out the old paper roll
5. Put the new paper roll on the plastic cylinder then insert it.
6. Connect to the power supply.
7. Push the SEL button, let the printer in offline state, SEL indicator is off.
8. Push button LF, let the printer into feeding paper state.
9. Put the paper edge to the entry; let it enter the mechanism head.
10. Let the paper come out of the paper exit on the top of the printer
11. Push the mechanism head down.
12. Push back the mechanism head to the position shown by the label affixed to the mechanism head, and then lock the mechanism head.
13. Close the front cover.