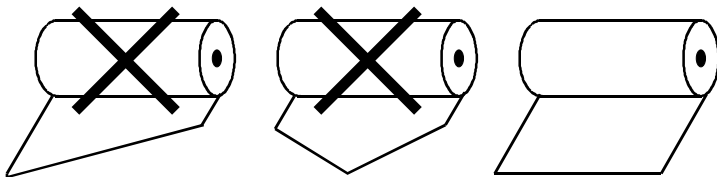


## To replace paper roll :



⊗ For a best utilization of your printer, use ⊗  
only **KYOSHA** Industries thermal paper

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**Kyosha** product's policy is continued product improvement and we reserve the right to alter design and / or specifications without notice.

### **Kyosha INDUSTRIES**

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## PRINTER **KyoLine** BAT

### Power on :

When turning the power on, the printer performs several tests and initializations. When the tests are completed, the printer head moves. The indicator lights, the printer is then ready for use.

### Red indicator :

The indicator informs on the state of the printer :

- Constant light : Printer ready.
- Flashing :
  - ✓ Slow, short lighting : Memory full, wait to launch the next print.
  - ✓ Slow, short extinction : Battery loading in progress.
  - ✓ Fast : Printer head blocked :  
turn the printer off, remove the paper and replace it correctly.

### Button :

The round button on the top of the printer has three functions :

- Printing of DIP switches functions and setting :  
Press the button and turn on the printer to get a hard copy of the use and current position of the DIP switches. As soon as the printing starts, release the button.
- Hex dump mode :  
When turning the printer on, shortly press the button to launch hex dump. To leave this mode, shortly press the button again.

- Paper feed :  
Keep the button pressed to advance the paper.

**Configuration DIP switches :**

Your printer has 8 configuration DIPswitches located in the bottom of the paper chamber. You can print their setting and the list of their functions (Autotest) as indicated in previous page, chapter ‘Button’.

To change the DIPswitches position, use a pen or something similar.

**IMPORTANT** : Whenever changing the DIPswitches, turn the printer off. Change the DIPswitches then turn the printer on again to reinitialize it in its new configuration.

**Batteries option :**

Before any use, reload the printer completely. The maximum time necessary for a complete reload is 3 hours.

When the printer is fully loaded, its autonomy of continuous printing is approximately 60 minutes.

To optimize the lifetime of the batteries, it is advised to reload the printer when the batteries are completely empty.

The battery loading can be done while the printer is off. In this case the indicator does not light.

**Characteristics :**

Printer :

Printing system :	Thermal dot matrix
Method :	Optimized bi-directional
Paper feed :	Friction
Line height :	12 dots
Format :	40, 80, 2 x 40 columns*
Character table :	IBM, set 2 (229 forms)*
Matrix :	8 x 8 and 12 x 8
Buffer memory :	32Kb

Interface :	Serial RS 232C* 1200, 2400, 4800, 9600 baud* Parallel Centronics* * = depending on version
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Paper roll :

Type :	Thermal black printing
Width :	112 mm
Length :	20 m
Diameter :	42 mm

Power requirements :

Adapter :	12 V DC – 0,5 A
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Reliability :

General :	5000 hours
Printing head :	5 x 10 <sup>5</sup> lines

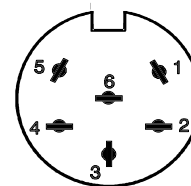
Operating conditions :

Temperature :	5 to 35° C
Humidity :	20 to 70 %.

Dimensions and weight :

Dimensions :	165 x 135 x 50 mm
Weight :	670 gr. with a 20 m. paper roll.

**DIN Plug:**



1 - RXD	- Data reception
2 - DTR	- Printer ready
3 - GND	- Ground
4 - CTS	- Not managed
5 - TXD	- Data transmission
6 - PWR	- + 6 V output