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Operating Instructions Dot Matrix Printer

KERN YKN-01

Version 1.1

04/2014

GB



YKN-01-e-1411



KERN YKN-01

Version 1.1 04/2014

Operating manual

Dot matrix printer

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1 Technical data

Character composition	Matrix 5x7 dots
Print speed	15 mm/sec.
Number of characters per line	16
Character set	IBM set 2
Paper	On one ribbon, width 44 mm, lengths approx. 7.5 m
Electric Supply	5 V 1.5 A
External power supply unit	100 V ~ 240 V 50 ~ 60 Hz
Energy consumption	7.5 W
Supply interface	Type Jack 2.1
Baud rate	150, 300, 1200, 2400, 4800, 9600, 19200 Baud
Parameter/data format	ASCII
Parity	Even, odd, none
Communication protocol	ASCII
Working life	500,000 lines
Operating temperature	5°C – 35°C
Humidity of air	max. 80 % relative (not condensing)
Dimensions	158 x 106 x 40 mm
Weight	307 g (excl. paper roll)

2 Unpacking

Delivery includes:



1. Printer
2. Mains adapter
3. Connection cable
4. 1 x roll of paper
5. Mains plug adapter (Europe, UK, US)
6. Operating instructions (without illustration)

If one of the articles listed above is missing please contact your supplier immediately.

3 Set Up and commissioning

Environmental conditions at the workplace chosen for the printer must meet the conditions stated below:

Temperature: 5°C – 35°C

Humidity: 10 – 80 % (excl. condensation)

Take notice of the following as regards to the site of operation:

Dust and humidity free

Do not place printer next to powerful sources of heat

Do not place the device within range of strong electric, magnetic, electromagnetic impulse fields or planes that collect electrostatic charge.

Do not expose printer to direct sunlight or impacts.

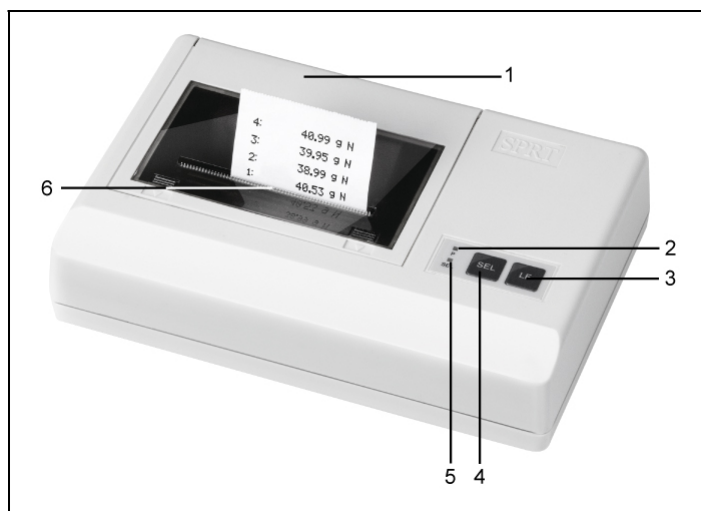
Power is supplied via the external mains adapter.

The stated voltage value must be the same as the local voltage.

Only use original KERN mains adapters.

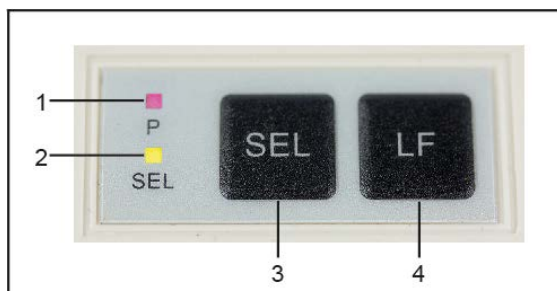
Using other makes requires consent by KERN.

4 Printer parts



1. Cover for paper compartment (removable)
2. LED displays for power supply
3. Button „LF“
4. Button „SEL“
5. LED for display „SEL“
6. Paper output slot
7. RS232 interface
8. Mains connection

5 Description of buttons and LED displays



1	LED display „P“	Display for power supply
2	LED display „SEL“	Display for standby mode
3	Button „SEL“	Turn on/off standby mode Start self-test
4	Button „LF“ Line Feed	Line feed Start self-test

5.1 Self-test

You can use the self-test for checking the printer's settings.

To run a self-test, connect the printer to the power supply (LED display „P“ lights up green), keep the „LF“ button pressed down and press the „SEL“ button at the same time. A printout showing the data for the self-test will be issued.

Printout example:

RS232	Interface	Data transfer by RS232 interface
9600bps,	N,8,1	Baud rate 9600, 8 stop bits, 1 data bit
VER.T3.04-150		Version status

5.2 Operating and standby mode

When the printer is connected to the power supply, it is automatically in operating mode and ready for receiving and printing data. It is also possible to switch the printer to standby mode. To achieve this, press the „SEL“ button whereupon the „SEL“ display will go off; the printer is now in standby mode and will no longer receive data. To return to operating mode, press the „LED“ button, whereupon the „SEL“ display lights up again.

Another function of the „SEL“ button allows you to introduce a pause. If you press the „SEL“ button briefly while the printer is receiving data, the printer will pause after having printed out the current line. This pause allows you to operate the line feed. When you press the „SEL“ button again, the printer will continue printing the started printout.

5.3 Line feed

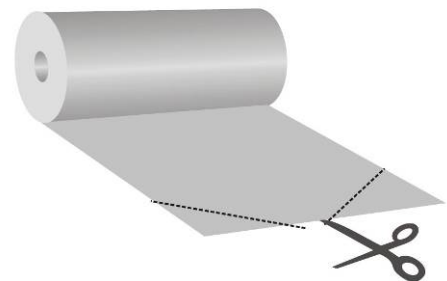
Press the „LF“ button in standby mode (“SEL” display off); this makes the line feed start without data being printed. To stop the line feed, again press the „LF“ button.

5.4 Start-up

The printer will be ready for operation immediately after it has been connected to the power supply; the LED “P” will light up.

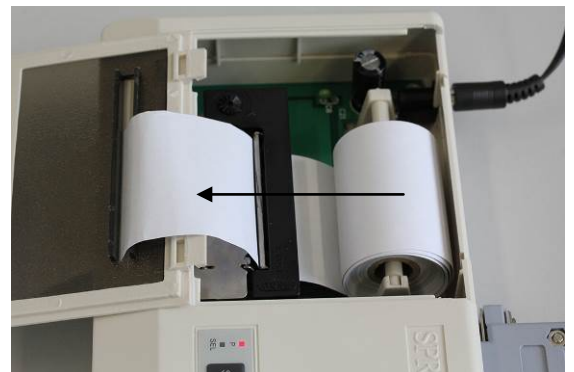
5.5 Paper

- ⇒ Fold over one end of the paper before inserting it into the printer



Inserting the paper

- ⇒ Insert the folded-over end of the paper into the mechanism
- ⇒ Turning on the printer supply
- ⇒ Press and hold the „LF“ key until the paper emerges from the outlet slot of the mechanism



Tearing off paper

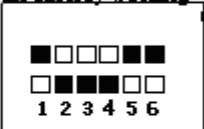
- ⇒ Pull the printout across the direction of printout that it rests on the cutter bar of the printer housing



Do not pull printout upwards.

6 Micro switches

The micro switches are used to set the operating mode for the printer.

DIP Switch	Baud Rate	DIP Switch		DIP Switch	
ON ■ ■ ■ ■ □ □ □ □ □ □ □ □ □ □ □ □ 1 2 3 4 5 6	150	ON □ □ □ □ ■ ■ ■ ■ □ □ □ □ □ □ □ □ 1 2 3 4 5 6	8-Non	ON □ □ □ ■ □ □ □ □ □ □ □ □ □ □ □ □ 1 2 3 4 5 6	Mark
ON □ ■ ■ □ □ □ □ □ ■ □ □ □ □ □ □ □ 1 2 3 4 5 6	300	ON □ □ □ □ ■ □ □ □ □ □ □ □ □ □ □ □ 1 2 3 4 5 6	8-Odd	ON □ □ □ □ □ □ □ □ □ □ □ ■ □ □ □ □ 1 2 3 4 5 6	XON XOFF
ON ■ □ ■ □ □ □ □ □ □ ■ □ □ □ □ □ □ 1 2 3 4 5 6	600	ON □ □ □ □ □ □ ■ □ □ □ □ □ ■ □ □ □ 1 2 3 4 5 6	8-Even	Ex-factory Setting 	
ON □ □ ■ □ □ □ □ □ ■ ■ □ □ □ □ □ □ 1 2 3 4 5 6	1200	ON □ □ □ □ □ □ □ □ □ □ □ □ ■ ■ ■ ■ 1 2 3 4 5 6	7-Even		
ON ■ ■ □ □ □ □ □ □ □ □ ■ □ □ □ □ □ 1 2 3 4 5 6	2400				
ON □ ■ □ □ □ □ □ □ ■ □ ■ □ □ □ □ □ 1 2 3 4 5 6	4800				
ON ■ □ □ □ □ □ □ □ □ ■ ■ □ □ □ □ □ 1 2 3 4 5 6	9600				
ON □ □ □ □ □ □ □ □ ■ ■ ■ □ □ □ □ □ 1 2 3 4 5 6	19200				

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- Changes to the settings for the micro switches must be made with the power supply turned off. The changes are taken over when started-up again.
- Always use KERN accessories and weighing balances when working with your printer. Disconnect the printer from the mains voltage before connecting the cable to the printer.

7 Instant help

Symptom

Remedy

Power supply display „P“ not lighting up.

Check whether the power supply unit is connected to the printer and to the mains.

Paper does not emerge.

Check whether the paper has been inserted correctly, whether the output slot of the mechanism is free of obstructions

No printing is taking place and paper does not emerge.

Check, whether the power cord is connected at both ends and whether the printer prints a self-test.

If you are unable to remedy the error, please contact your supplier.