Operating instructions Thermal Printer

KERN YKB-01N

Version 2.1
09/2009
GB

YKB-01N-e-0921

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Operating Manual
Thermal printer

Printer YKB-01 is a standard thermal printer

1. Technical Data

Printout	Bi-directional thermal print with moveable 8 dot matrix head
Character composition	8x8 dot matrix
Print speed	0.75 lines
Number of characters per line	40, 80
character set	IBM set 2
Thermal paper	One roll, width 112mm, length 20m
Max. winding diameter	42 m
Electric Supply	8.5 V – 14 V DC
External power supply unit	230 V 50 Hz 0.12 A / 9V DC 1.3 A
energy consumption	3 W 15W
Supply interface	Type Jack 2.1
Baud rate	1200, 2400, 4800, 9600 Baud
Parameter/data format	8 or 7 bits, with or without parity control
Parity	Even or odd
Transfer protocol	Hardware-related DTR
Working life	5000 hours or 500 000 lines
Operating temperature	5°C – 35°C
Humidity of air	max. 80 % relative (not condensing)
Dimensions	165 x 140 x 50 mm
Weight	0.45 kg (excl. paper roll)

2. Unpacking
Delivery includes:
      1 - Printer
      2 – Power supply unit
      3 – Printer cable
      4 - 1 x Roll of thermal paper
      5 – Operating instructions

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

3. Installation 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.
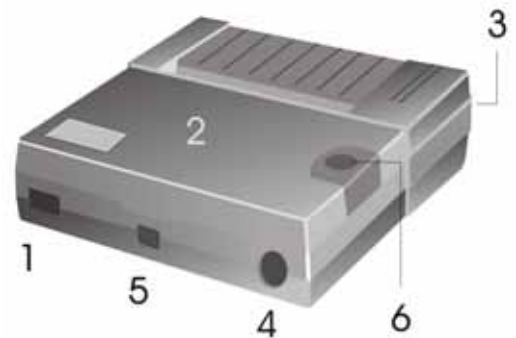The stated voltage value must be the same as the local voltage.
Only use original KERN mains adapters.
Using other makes requires consent by KERN.

4. Printer parts
      1 – ON/OFF switch
      2 – Cover of paper compartment
      3 – LED display ON/OFF
      4 – Interface for connection to weighing balance
      5 – Interface for printer supply
      6 – Feed button

5. Preparing your printer for operation

Remove the cover from the paper compartment

Set the micro switches

SW1 - SW8

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

	1200	2400	4800	9600
SW1	ON	OFF	ON	OFF
SW2	ON	ON	OFF	OFF
SW3	ON	8 data bits (no parity)		
	OFF	7 data bits		
SW4	ON	Yes Parity		
	OFF	No Parity		
SW5	ON	Even Parity		
	OFF	Odd Parity		
SW6	ON	Summer time		
	OFF	Winter time		
SW7	No function			
SW8	No function			

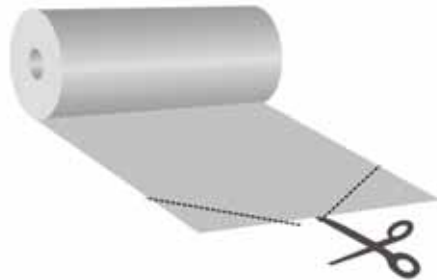|	
i	Changes to the settings for the micro switches must be made with the power supply turned off. The changes are taken over when started-up again.

Connecting the cables:
There are two interfaces at the back wall of the housing:
Terminal printer cable
Terminal power supply unit

i	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.

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Preparing the 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 FEED 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

i   Do not pull printout upwards.

6. Operating elements

After the power supply unit has been connected to the printer and the mains, and after the
ON/OFF switch of the printer has been switched to "ON" position, the
red indicator for the power supply will light up.
This indicator also signals that the printer is ready for operation.

7. Start-up

⇒ On start-up press the FEED key; printer carries out self-test
and parameters will be printed.
Red LED is lit up, printer is ready for operation.
⇒ Press FEED key: Turn on/off date and time
⇒ Press and hold FEED: Paper will be transported

8. Storage conditions and use of thermal paper

Long-term usability of thermal paper is achieved by correct storage.
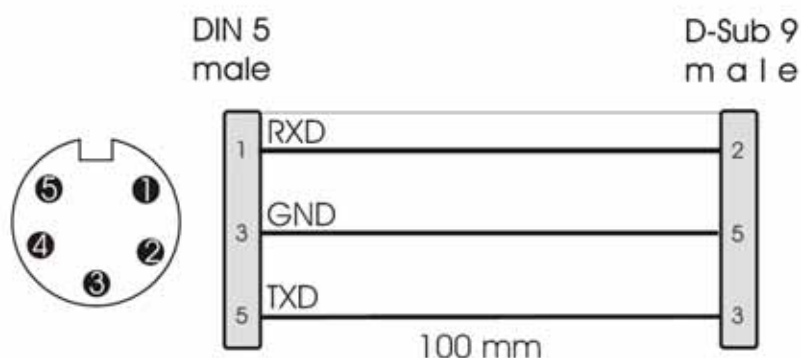
ℹ	Storage: - Dark storage location (no direct sunlight) - Maximum relative air humidity 65% - Maximum temperature 25°C

Always store printed paper under the following conditions:

ℹ	- Do not expose to direct sunlight or intensive room lights - Avoid contact with alcohol, solvents or similar substances (e. g. adhesives), - Do not store inside PVC pockets - Storage temperature < 25ºC.

9. Printer cable

10. Instant help

Symptom	Remedy
The supply indicator is not lit 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 input slot of the mechanism is free of obstructions
Paper leaves printer without print:	Check whether the paper has been inserted with its thermo-sensitive side facing the printer head, whether the SW switches are set correctly.
No printing is taking place and paper does not emerge.	Check whether the connecting cable is connected at both ends, whether the printer prints during the self-test, whether the SW switches are set correctly.
Wrong characters are printed	Check whether SW switches are set correctly.
Printout is blurred	Check whether operating temperature exceeds allowed value, whether the paper used is recommended by the manufacturer.

English

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