

# CONNECTION MANUAL FOR PCPA SERIES PRINTERS



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
## GENERAL INFORMATION REGARDING SAFETY

- Read and keep the following instructions.
- Observe all warnings and follow all instructions attached to the printer.
- Before cleaning the printer, disconnect the feed cable.
- Clean the printer with a damp cloth. Do not use liquid or spray products.
- Do not operate the printer near to water.
- Do not place the printer on unsteady surfaces. It could fall and get seriously damaged.
- Use the type of electricity supply marked on the printer label. In the event of uncertainty, contact the seller.
- Position the printer in such a way as to ensure that the cables connected to it will not be damaged.
- Ensure that the maximum absorbed current of the printer does not exceed the maximum acceptable current for the type of feed cable used.
- Do not put objects of any kind inside the printer as they could cause a short circuit or damage parts which could affect its performance.
- Do not spill liquids on the printer.
- Do not carry out technical operations on the printer with the exception of the scheduled maintenance operations specifically indicated in the user's manual.
- Disconnect the printer from the electricity supply and have it repaired by a specialized technician should any of the following conditions occur:
  - A. The feed connector has been damaged.
  - B. Liquid has penetrated to the inside of the printer;
  - C. The printer has been exposed to rain or water;
  - D. The printer is not operating normally despite the instructions in the user's manual having been followed.
  - E. The printer has been dropped and its case damaged.
  - F. The performance of the printer is poor.
  - G. The printer does not work.

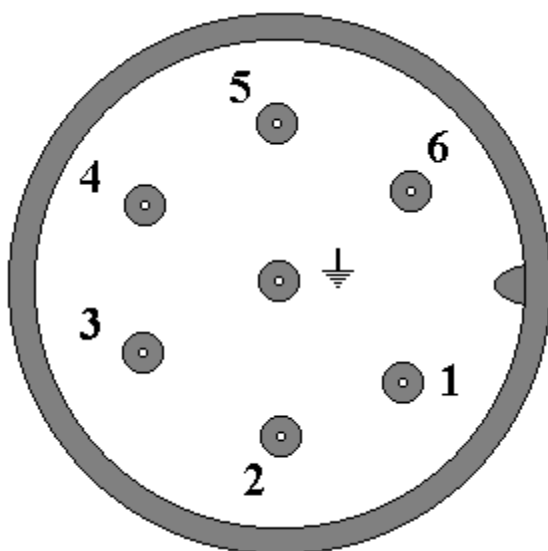
## DESCRIPTION

The reference manual for the printer is the one describing the **PT285** and **P190** models.  
To be more precise: for **PCPA285** printers = **PT285** and for **PCPA190** printers = **P190**.

The basic difference between the two is that of the inter-connection between the printer and the outside world. For the PCPA series, this link consists of a circular screw-down connector with the following pin pattern :

| PIN No.   | SIGNAL | DESCRIPTION                                     |
|---|--------|---|
| 1   | GND    | SIGNAL GROUND                                   |
| 2   | TXD    | TRANSMISSION OF DATA FROM PRINTER TO HOST       |
| 3   | RXD    | RECEIVING OF DATA FROM HOST TO PRINTER          |
| 4   | DTR    | SIGNAL INDICATING THAT PRINTER IS ON            |
| 5   | CTS    | SIGNAL INDICATING PRINTER READY TO RECEIVE DATA |
| 6   | VDC    | PRINTER SUPPLY VOLTAGE 9 - 40 Vdc               |
|  | GND    | PRINTER POWER SUPPLY GROUND                     |

CONNECTOR INSTALLED IN PRINTER (MALE) :



Connectors compatible with printer :

HIRSCHMANN Mod. CA 6 LD 09 ZS  
AMPHENOL Mod. T 3105-000  
AMPHENOL Mod. T 3105-001

**Power supply characteristics of the PCPA printer series:**

|                 |                     |
|-----------------|---------------------|
| MINIMUM VDC     | 9 Vdc               |
| MAXIMUM VDC     | 40 Vdc              |
| ABSORPTION 9 V  | 1,8 A WHEN PRINTING |
| ABSORBPTION 30V | 0,8 A WHEN PRINTING |

**Environmental conditions**

|                               |                         |
|-------------------------------|-------------------------|
| Operating temperature         | 0°C - +50°C             |
| Operating humidity            | 35% - 85%               |
| Storage temperature /humidity | -20°C - +70°C / 10%-90% |

POWER MUST BE SUPPLIED TO THE PRINTER BETWEEN PIN 6 AND THE PIN MARKED WITH THE SYMBOL  .

**DO NOT** SUPPLY POWER TO THE PRINTER THROUGH THE SIGNAL GROUND ON PIN N°1

To change the transmission baud rate, open the printer by loosening the two screws inside the paper changing panel. Having thus gained access to the back of the printer where switches 1-8 are located, consult the user's manual for the PT285 - P190 models for the correct setting of these switches.