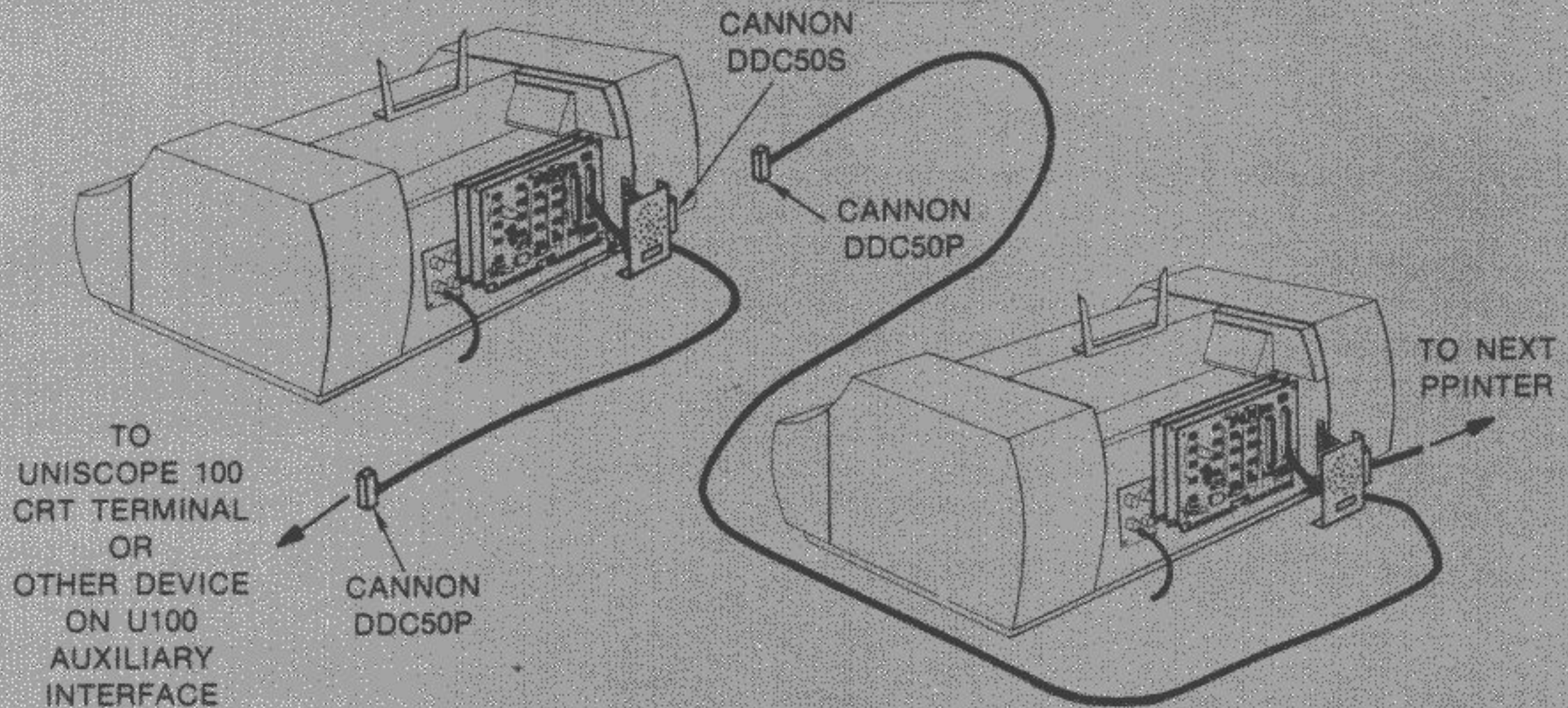


INTERFACE FOR UNIVAC UNISCOPE 100 CRT TERMINAL



NOTES

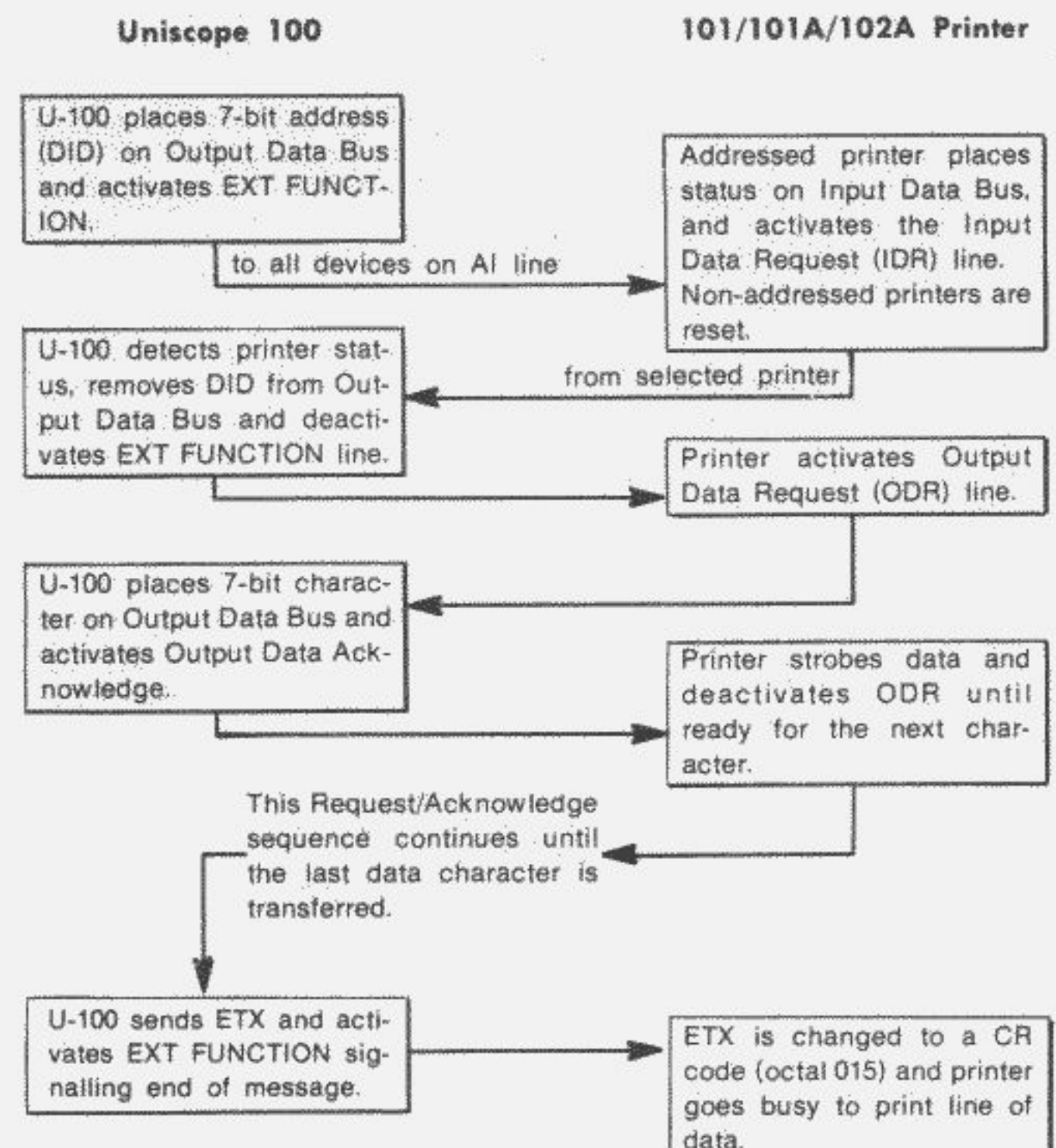
1. MAXIMUM OF EIGHT (8) DEVICES ON THE LINE.
2. LAST RINTER MUST HAVE TERMINATING LINE RESISTORS.
3. DEVICES OTHER THAN CENTRONICS PRINTERS MUST BE PLACED NEAREST THE DISPLAY.
4. MAXIMUM DISTANCE FROM TERMINAL TO LAST PRINTER IS 200 FEET.

GENERAL

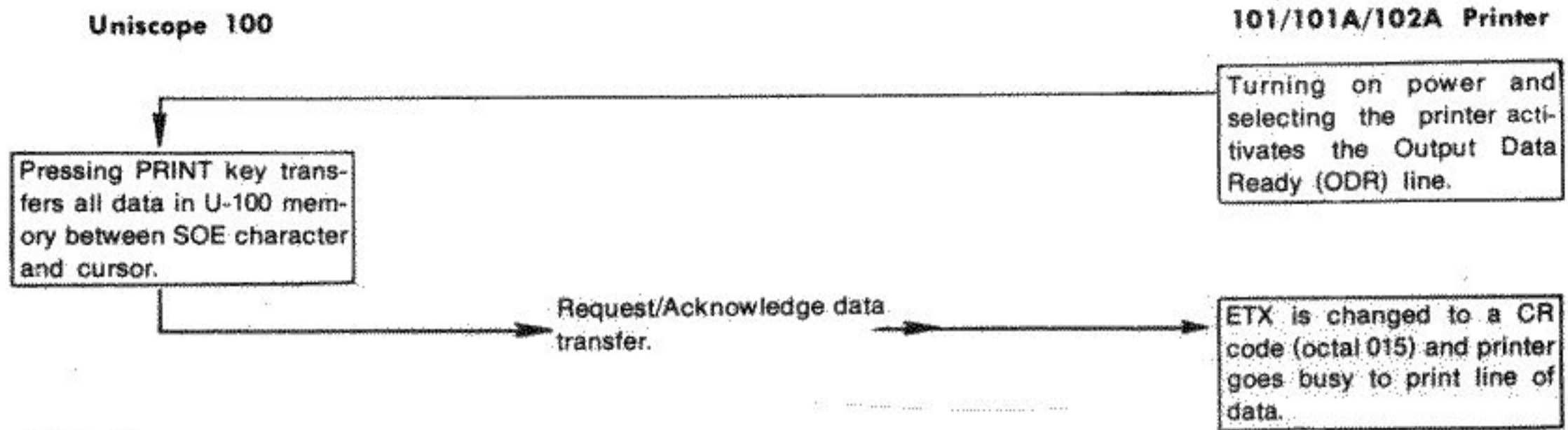
The Centronics Uniscope 100 (U-100) interface is designed to interface the Centronics 101, 101A or 102A printers to Univac's Uniscope 100 CRT terminal auxiliary interface. The Uniscope 100 terminal is a two-way remote terminal used for time-shared direct communications with a CPU. Seven-bit ASCII coded characters are transferred over the auxiliary interface (AI) in a parallel mode. The printer (or any other device on the AI lines) can use the interface electronics, buffer memory, and data entry/editing capabilities inherent in the Uniscope 100.

The U-100 interface is contained on a single PC card located in the interface slot in the rear of the printer. This card has provisions for two external connectors, one connects via cable to the standard interface connector, the other connects to a 6' to 10' ribbon cable leading out of the printer. This allows the printers to be daisy-chained on the AI lines. The card and cabling is designed so that Centronics printers, when intermixed with other devices, must always be the last devices on the line.

ON-LINE OPERATION



OFF-LINE OPERATION (JUMPER OPTION)



Features

- The Uniscope interface is designed to make Centronics Model 101, 101A and 102A printers resemble Univac's Communication Output Printer (COP). The Centronics printers are either manually selected by an operator or for the models 101A or 102A, remotely selected by the CPU.
- The interface is contained on a single PC card located in the interface card slot in the printer.
- To accommodate the "print transparent" feature in the Uniscope 100, a jumper option on the interface card will cause a Line Feed code to be treated as both a Line Feed and Carriage Return.
- The Device Identifier (DID) code (or address) of each printer is jumper-selectable from octal 163 to 176. A jumper option can also bypass the DID making the printer addressed all the time.

- In response to a DID code, the selected printer places its status on Input Data Lines 1 and 2 as follows:

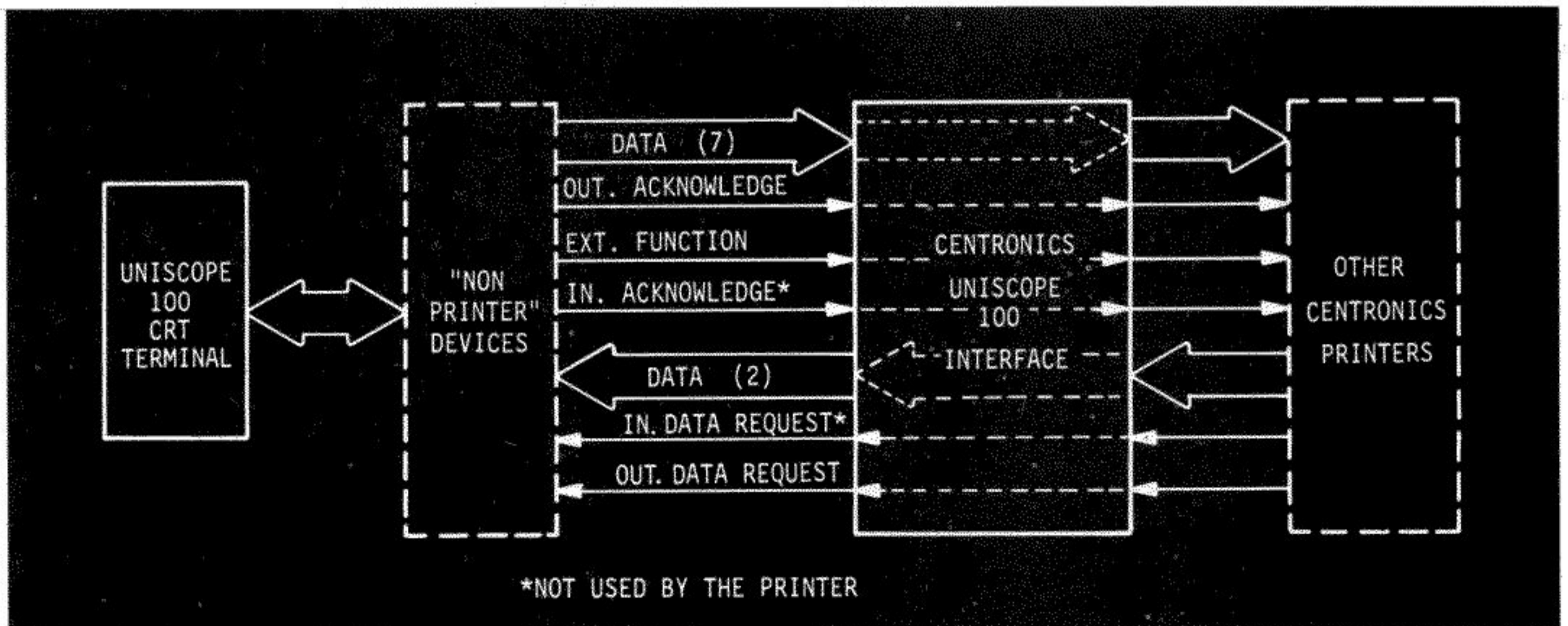
Bit 2	Bit 1	Status
0	0	Printer is turned off.
0	1	Printer not selected.
1	0	Fault condition in a selected printer or paper empty.
1	1	Printer ready.

This status remains on the lines as long as EXT FUNCTION from the CPU is active. If the status is Printer Ready (11) or Printer Not Selected (01), the printer activates ODR enabling the CPU to transfer either data or in the case of the 101A or 102A, a select code (octal 021) back to the printer.

- The printer forwards all interface signals to the next device on the AI line. The last printer on the line must terminate all input signals with a 75 ohm resistor to +5V and a 36 ohm resistor to ground. These terminations are contained on the interface card of the last printer.

Specifications subject to change without notice

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