

**Specific directions for NPC - installation to customer displays
with ESC/POS- (EPSON) or CD5220-mode :**

The transaction data for **EPSON** pole displays (and compatible), or for **CD5220** emulation mode (**PartnerTech**; **Citizen** CD220x) displays are acquired by "listening in" on the data connection between the point-of-sale and the customer display, or directly without a display.

Note: The so-called **ESC/POS-** or **CD5220** emulation mode has to be activated on compatible pole displays.

In some application the data output for the bottom line contains up to 21 characters including the amount with comma- or dot-sign. In these special cases the data display contains only 19 chars of the first line (the last sign in the first display line is a space usually!), and 21 of the second line.

The NPC recognises the essential functions of the display and simulates the commands like position-call. The protocol is designed for a display type with a 2 lines by 20 characters per line. Both lines will be combined to one information line by the NPC.

Interface parameters (default):

9600 Baud, none Parity, 1 Stop bits, 8 Data bits.

Important:

After the cursor is reaching the last position (column 20 in the last line or column 40 [scroll version]) normally the characters appears on the screen and – where necessary - the data output via the „PC“-interface starts. In the event of some cash register send less than 20 characters per line the NPC waits for a timeout and then takes all sent characters. The timeout is entered in increments of 10 ms under „Register No.“ in the POS Menu (default: 05 = 50 ms).

Manufacturing of a „listening in“ – cable connection:

