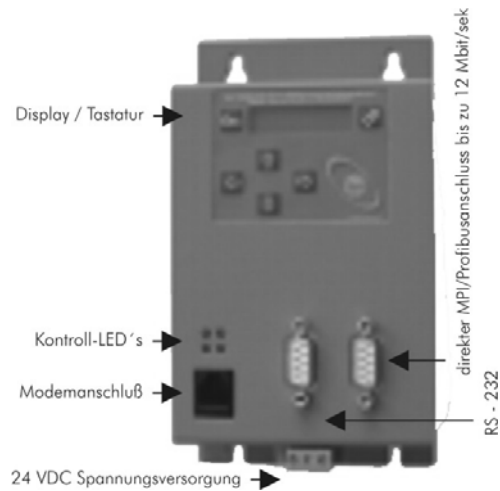# Handling-Shortinstruction
# for

# MPI/PPI/Profibus-Modem V1.2

## Interface-picture:



In the version "ohne Profibus" there are baudrates until to **12MBaud (MPI and programming over profibus)**, but not DP V0 / V1 / V2

DP V0 / V1 / V2 in the version "mit Profibus" is in prepare.

## Connectors:

**Analogue-Modem:**
Connection to a similar telephone connection by means of provided telefon cable. Only in principle the two middle contacts of the RJ-11/12-plug (4/6) are recommended (in China use DDE-network). Make shure that the the Phone-lines (a and b) are presented there. Do not shorten the lines in the plug or in the wall socket.

**MPI/DP:**

---

This socket is occupied concerning the bus and mass like a plc. The MPI/PPI/Profibus-Modem can be attached with a 9pin 1to1-cable male ⇔ male directly to the SPS or the professional bus. In addition, a profibus connector can be put at any time.
With this Connector, you can connect to a bus system with 9600 Baud up to 12Mbaud.

**PC(RS232)-Buchse:**
The connection to the PC is accomplished by means of a 9pin 1to1-cable. This socket is completely occupied like a comparable external modem with serial connection. Directly a PC/PG can be attached, and with the driver "TS-Adapter" over this socket from the Simatic manager with the SPS to be communicated.

**Power-Supply:**
The MPI/PPI/Profibus-modem expects an operating voltage of 24V DC with a tolerance of ±20%. The power input amounts to 200mA. As the MPI/PPI/Profibus-modem in the picture is shown, have we from left to the right following allocation:

```
+24V DC +/- 20%, 5VA
PE       PE must be always connected!
0V
```

The allocation is likewise printed on the case. You could also connect PE to the bottom of the metal case with a cable-shoe 6.3mm.

The powder coated metal case is isolating, so mounting onto the Back-Plane does **not** connect to protective Ground.

**Controll-LED:**
The device possesses 4 status LED´s for additional communication to the user. These 4 LED are wired as follows:

```
Power ON ⊗ ⊗ Error
  Modem- ⊗ ⊗ MPI-
        Connect
```

**First-Configuration:**
After that the MPI/PPI/Profibus-modem is attached to supply voltage, begins the equipment with the start up. As soon as it started, it shows the following picture in the display:

```
#xxTD   |Modem ready
yxxAG   |
```

XX stand as possible substitute symbols for the number of participants
in the bus system (1st line) or as address of each individual
participant in the bus (2nd line). Here also the first sign changes. Indication of ! (directly attached) after ? (not directly attached).
By pressure of the ENTER-key you concerned in the main menu Messages.

---

By repeated pressing of the key ⇓ you arrives at the configuration into the Config-menu. After input of the standard password "0" you comes to the actual configuration. Between the individual entries and/or options you can change with ⇓ or ⇑. With ENTER the input is taken over.

The attitudes important for start-up are in the configuration menu:

| | | |
|---|---|---|
| PG/PC | ➜ MPI-Accs: | MPI-Accs] (MPI + Profibus) [*] |
| | | PPI-Accs  (PPI-Bus) |
| Modem | ➜ dial mode: | tone [*] |
| | | pulse |
| | ➜ baudrate: | 300-33600 in severall step |
| | | automatic [*] |
| | ➜ modemtyp: | D (complex system) [*] |
| | | USA (600R-system) |
| | | auto (self recognition) |
| | ➜ speaker: | off |
| | | silent [*] |
| | | middle |
| | | loud |
| | ➜ busy identify.: | yes |
| | | no [*] |
| | ➜ ring counter: | 0 – 5        1[*] |
| | ➜ extension: | yes |
| | | no [*] |
| | ➜ outline code: | 0-9, !,".",",/,>,#,X,W,* |

Default:   [*]

**Mechanical Data:**
Dimension:          90 x 163 x 50mm
Case type:          metal case, powder-coated, isolating !
Safety class:       dust proof

More to the MPI/PPI/Profibus-Modem as well as the current equipment manual can you download under:

[www.tpa-partner.de/mpivers.htm](http://www.tpa-partner.de/mpivers.htm)