

## 1. PURPOSE

To use the ORPHEE programming software through the switched telephone network :  
Downloading of programs, diagnosis, adjustment....

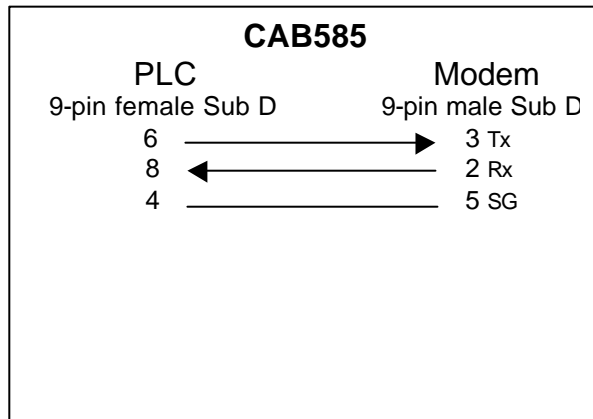
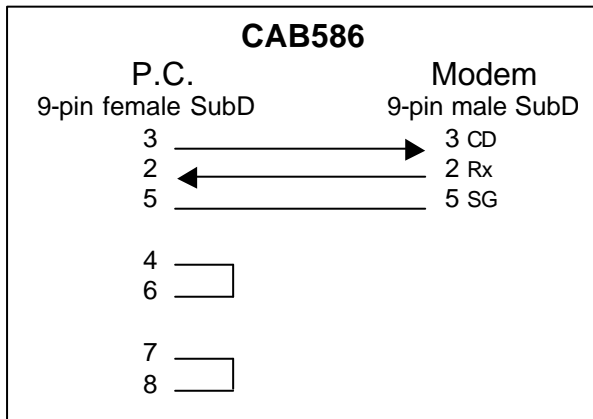


The user shall make sure that the operations carried out are not dangerous for people and for the equipment.

## 2. SYNOPSIS



## 3. CABLES



## 4. INSTRUCTIONS

### 4.1. Configuring the modem for use with the PLC

- 1 Open WINDOWS Terminal or Hyperterminal. Set data rate at 19200 b/s and frame at 8 bits – parity : Even - 1 STOP (8E1).
- 2 Connect the modem to the PC with an RS232 cable. Connect the modem to the power adapter and switch it on.
- 3 Enter AT&F1 to select factory profile Nr°1. The modem returns OK.
- 4 Enter AT&W1. The modem returns OK. \*
- 5 Enter AT&Y1. The modem returns OK. \*
- 6 Switch off the modem and disconnect it from the PC. It is now ready to be installed on the PLC.

\* refer to user guide at configuration section

## 4.2. Connecting the modem to the PLC

Connect the modems to the PCs and the PLC with CAB586 and CAB585 cables.

## 5. USE

### 5.1. To call

- 1 Open WINDOWS Terminal or Hyperterminal.
- 2 Set data rate at **19200 b/s** and frame at **8 bits** – parity: Even - 1 STOP (**8E1**).
- 3 Enter AT&F1 The modem returns OK. \*
- 4 Enter ATDTT .... T (TT .... T =PLC phone number),  
After a few seconds, the modem returns CONNECT 19200 and the LINE led switches on.

### 5.2. To work

- 1 Quit Hyperterminal for WINDOWS 95 or Terminal for WINDOWS 3.
- 2 Run the ORPHEE application (as you would in the case of a direct connection without any modem).

### 5.3. To clear the call

- 1 Switch off the modem.

## 6. POOR-QUALITY TRANSMISSIONS

In case of a poor quality of the transmission (sometimes with overseas communications for instance), the modem automatically adapts itself and reduces its data rate.

However in that case it is necessary, to avoid any Time Out problem, to restart the calling operation from **paragraph 5.1.**, and select **2400 b/s 8 bits parity: Even** and **1 STOP (8E1)** and then to open ORPHEE and request a **2400 b/s transmission**.