



AUTOMATION

& S y s t è m e s

User Manual *(temporary version)*

FCS SCP11x / SYMAX

Windows 95 / NT

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1. INTRODUCTION

FCS SCP11x / SYMAX is a PCMCIA card with the protocol Symax. This Pcmcia card is integrated into the SCHNEIDER PLC :

- Micro PLC
- Premium PLC
- or TSX SCY 21601 module

The PCMCIA card FCS SCP11x / Symax are available with 2 physical layers:

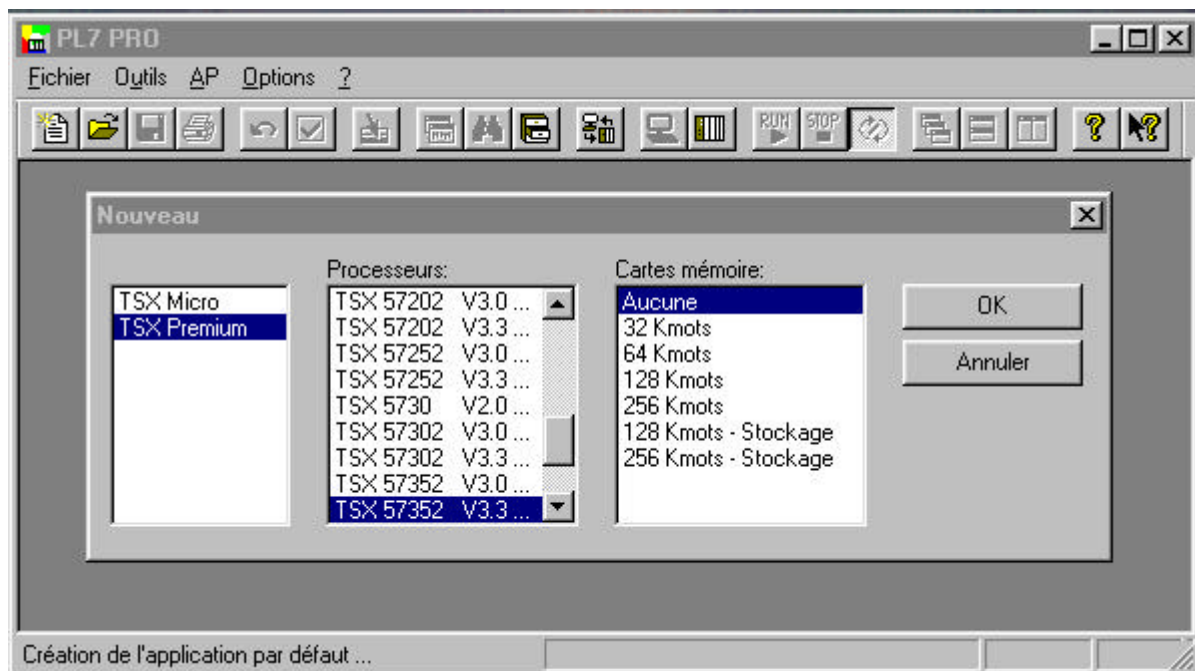
- RS232-D connection FCS SCP111 / Symax
- isolated RS485 connection FCS SCP114 / Symax

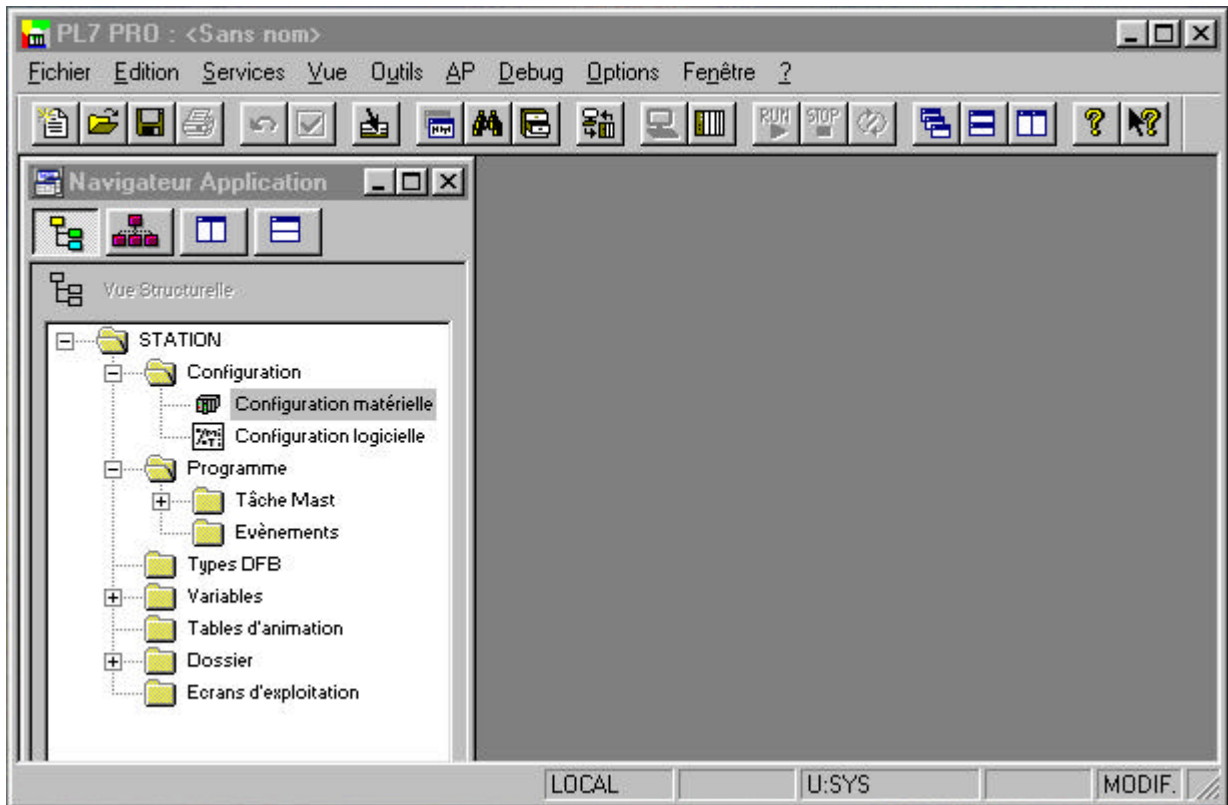
To configure the FCS SCP11x, it is necessary to use the configurator PL7 v3.4 with the patch or the next version. The configuration is described in the chapter « How to configure Symax card ». For more details about the software PL7, you can read the user guide for PL7.

1. HOW TO CONFIGURE SYMAX CARD ?

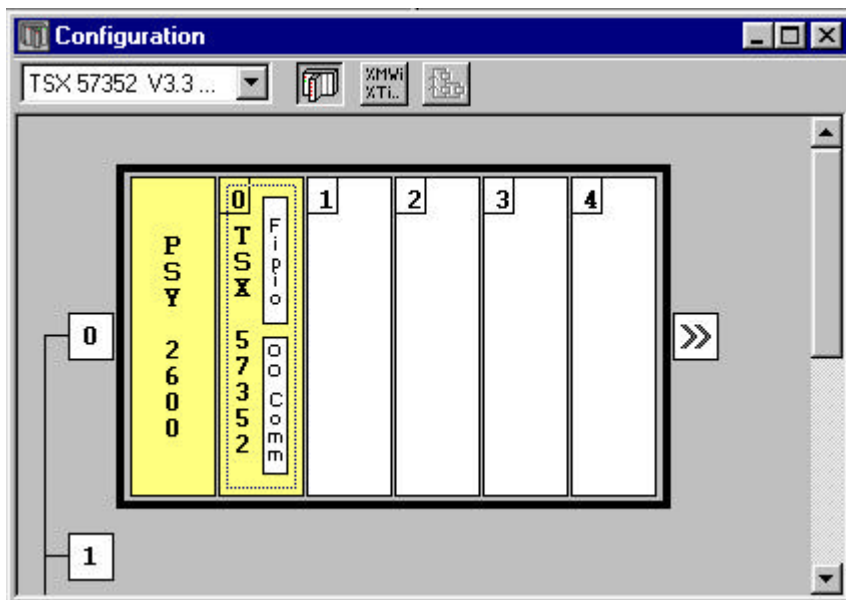
To configure the PCMCIA Card FCS SCP11x :

- start the PL7 software, from « Start \ Programs \ Modicon Telemecanique \ PL7 Pro »
- select « Nouveau » (New) in the menu « Fichier » (Files), then select the processor type (TSX37xxx or TSX57xxx)
- click on button Ok.



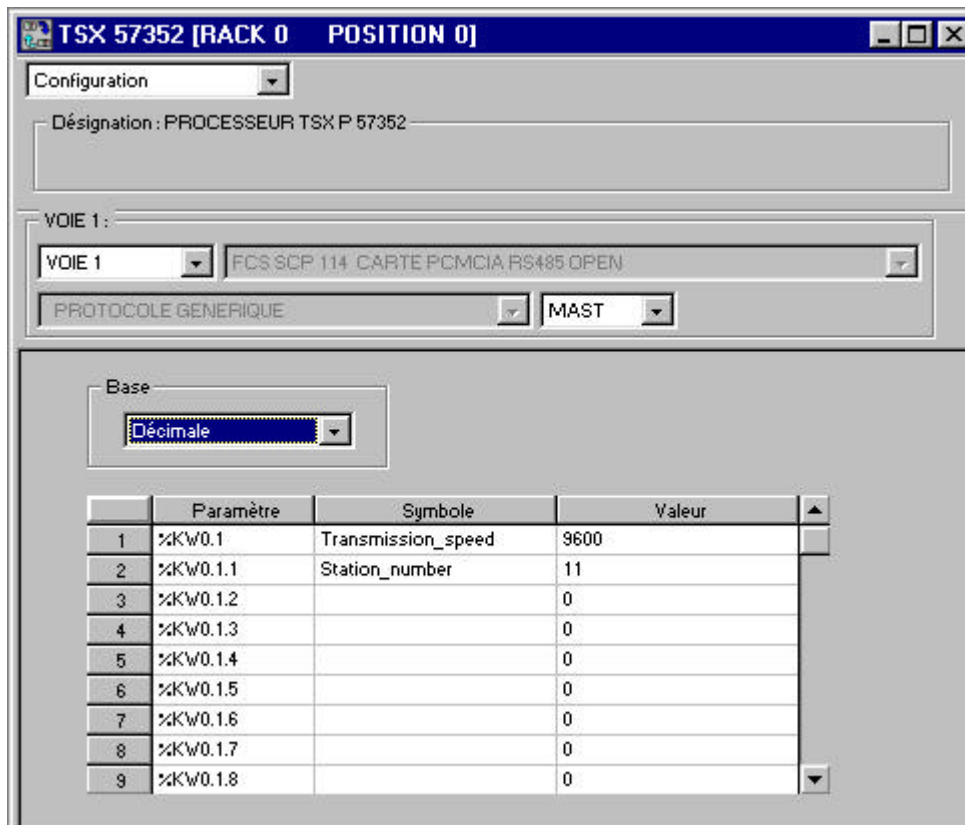
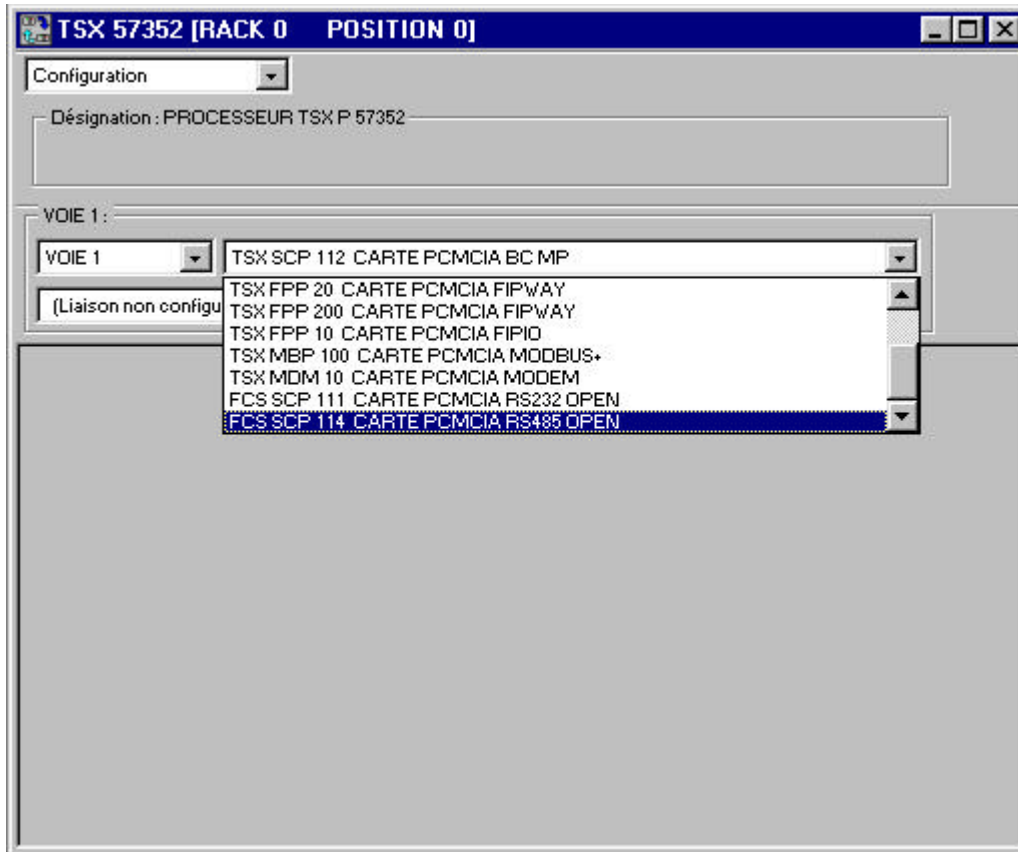


Then, double click on the directory « Configuration matérielle » (hardware configuration), on the configuration window show the PLC.



To configure the FCS SCP11x / Symax, double click on the Comm data area.

- choose the channel 1 for the PCMCIA card.
- choose FCS SCP114 CARTE PCMCIA RS485 OPEN



With Symax protocol, the user must configure 2 words %KW0.1.0 and %KW0.1.1. The different values for these parameters are :

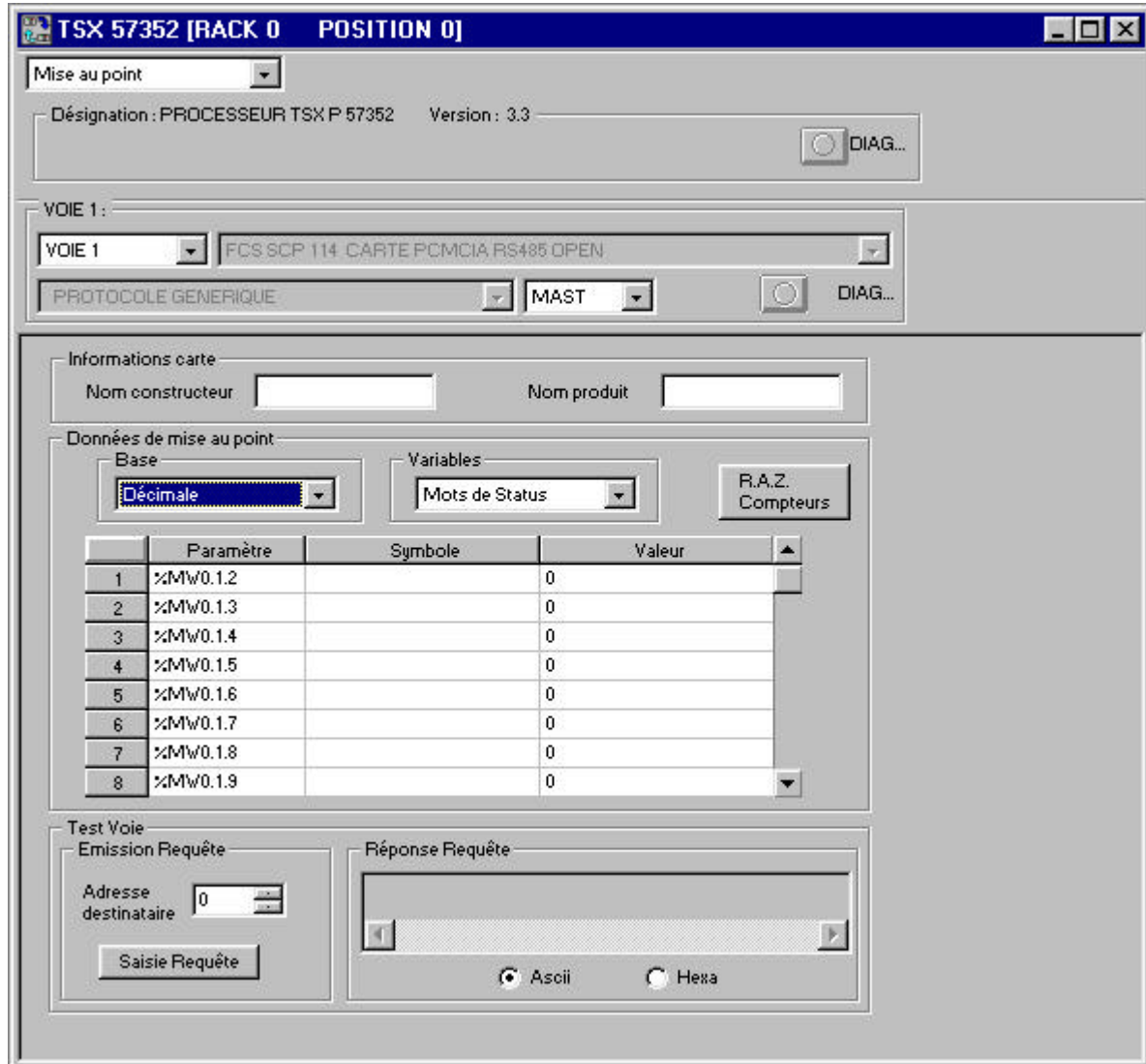
- **%KW0.1.0**
Baud rate : 1200, 2400, 4800, 9600 or 19200 bauds
- **%KW0.1.1**
Drop number < 100

Remarks :

if one of the parameters has a wrong value, the FCS SCP11X configuration will be in default. So, the PCMCIA card has the error led light up. See the debug mode for more details.

3. DEBUG MODE

The debug mode screen is visible when PL7 is connecting to the PLC. Choose the channel 1 for the PCMCIA card FCS SCP11x / Symax.



The FCS SCP11x manages the below status word :

- %MW0.1.2 indicates the channel standard status
- %MW0.1.3 *not used*
- %MW0.1.4 number of sending messages without acknowledge
- %MW0.1.5 number of sending messages with negative acknowledge
- %MW0.1.6 number of wrong receiving messages (BCC error)
- %MW0.1.7 number of sending messages BUSY
- %MW0.1.8 number of receiving messages BUSY
- %MW0.1.9-16 *not used*