

## 1. PURPOSE

To use **STEP7 MicroWIN 2.0** 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

<b>CAB01</b>		<b>CAB552</b>	
P.C.	Modem	PLC	Modem
9-pin female SubD	9-pin male SubD	9-pin male SubD	Cable end
1	1 CD	3	8 A
2	2 Rx	8	7 B
3	3 Tx		
4	4 DTR		
5	5 SG		
6	6 DSR		
7	7 RTS		
8	8 CTS		
9	9 RI		

## 4. INSTRUCTIONS

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

- 1 Open WINDOWS Terminal or Hyperterminal  
Set data rate at 9600 b/s and frame at 8 bits - parity EVEN - 1 STOP (8E1).
- 2 Connect the modem to the PC with the RS232 cable. Connect the modem to the power adapter and switch it on.
- 3 Enter AT&F1\N3%C0S37=9. 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. Configuring the modem for use with the P.C.

refer to USE paragraph

## 4.3. Connecting the modem to the PLC

- 1 Connect the two wires at the free end of the cable (ref. CAB552) to pins 7 and 8 of the screw block on the modem (respecting the polarity).
- 2 Connect the other end of the cable to the PLC.
- 3 Connect the modem to the telephone cable.

## 5. USE

### 5.1. To call

- 1 Open WINDOWS Terminal or Hyperterminal. Set data rate at 9600 b/s and frame at 8 bits – parity EVEN - 1 STOP (8E1).
- 3 Enter AT&F1\N3%C0S37=9. The modem returns OK. \*
- 2 Enter ATDttttt␣ (CR) (ttttt = Phone number).
- 3 When the LINE led switches on, close WINDOWS Terminal or Hyperterminal.
- 4 You can now open the programming software and work.

### 5.2. To clear the call

- 1 Turn the modem's power switch in 0 position (off).