



UniPOS Ltd., FIRE ALARM SYSTEMS

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Instruction Manual for IFS7002 Service Software Set up

Menu description:

Menu Files

Submenu Configuration Loading – Loads in the programme the configuration entered in the disk.

Submenu Configuration Saving – Saves the current configuration in a file.

Submenu Archive Loading - Loads in the programme an archive entered in the disk.

Submenu Archive Saving – Saves the archive of the events in a file.

Menu Communication

Submenu Initialization – It is used to set up the communication parameters of PC with IFS7002.

It sets up the PC port number (to which the fire control panel is connected) for communication with the fire control panel, the data exchange speed (it should be identical in the fire control panel and in the programme – recommended speed 2400Bit/s), the data structure, the time out, the communication mode – these parameters should be set up as shown in the figure and the fire control panel address in RS-network (the address should coincide with the fire control panel address - Menu/Set up/Fire Control Panel Parameters/Network).The changed parameters are saved with the button “Yes” when exiting the menu. The parameters are not changed when exiting the menu and pressing the button “Cancel”.

Submenu **Communication with IFS7002**. It displays the configuration of the whole fire control panel or part of it so that the text messages could be entered, the zoning to be done and the outputs that would be activated in the event of Fire condition to be set up. The menu is also used to return the changes and the set ups to the fire control panel. The window Configuration Receiving and Sending describes the elements that shall be received or sent from/to IFS7002; Archive and Status Receiving; Sending some of the main commands to IFS7002 (IFS7002 Restart, Archive Delete); Time Receiving, Checking and Indication in IFS7002; Checking the type of the fire control panel IFS7002.



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Press the button Archive Receiving, the programme loads the archive of the events in the fire control panel.

Press the button Status Receiving to load the current status of the default classes of connected components – zones, devices, outputs.

Press the button Check the type of the fire control panel IFS7002 to read the hardware version and the fire control panel software.

Press the button Communication Termination during the transmission of some of the parameters to stop the current operation.

Menu Configuration – PASSWORD uni47pos

After uploading the configuration from the fire control panel some set ups could be done in this menu.

This menu contains submenus to view and edit the fire control panel configuration. When loading an existing configuration file it could be edited and later to be saved on the disk by means of Configuration Save or to be loaded in the fire control panel via Communication with IFS7002. All set ups of the fire control panel could be viewed and edited in the menu Configuration submenus.



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Submenu System Configuration – it describes:

a) The language in the dialogue box – the language of the menus on IFS7002 display.

b) The Local Network CAN status – The local network status – (on or off)

c) Power Loop – The power loop status

d) Mode - the fire control panel status – daytime or night

e) RS-interface parameters for connection to the global network

- communication speed – 1200, 2400, 4800 or 9600 – currently IFS7002 communicates with PC at 2400 kbits/sec speed

- fire control panel address – number from 1 to 9999 – it determines IFS7002 address in the network

- using of a modem – yes or no (when a modem is connected to IFS7002 and telephone numbers are entered, in case of a fire condition these telephone numbers are dialed consecutively in the order they are stored)

Submenu System Parameters – the fire control panel parameters are set up for operation in the local CAN network.

System Parameters

Local Control Point Address in CAN-Network: (1 to 63)

Priority Communication Level in CAN-Network: ☒ Slave ☐ Master

CAN-connections Speed, in [Kbits/sec]:

<input type="radio"/> 10	<input type="radio"/> 26	<input type="radio"/> 64
<input type="radio"/> 11	<input type="radio"/> 29	<input type="radio"/> 71
<input type="radio"/> 13	<input type="radio"/> 32	<input checked="" type="radio"/> 80
<input type="radio"/> 14	<input type="radio"/> 35	<input type="radio"/> 91
<input type="radio"/> 16	<input type="radio"/> 40	<input type="radio"/> 106
<input type="radio"/> 17	<input type="radio"/> 42	<input type="radio"/> 128
<input type="radio"/> 20	<input type="radio"/> 45	<input type="radio"/> 160
<input type="radio"/> 21	<input type="radio"/> 49	<input type="radio"/> 213
<input type="radio"/> 22	<input type="radio"/> 53	<input type="radio"/> 320
<input type="radio"/> 24	<input type="radio"/> 58	<input type="radio"/> 640

Local Fire Control Panel Name in CAN-Network: (up to 20 symbols)

Number of other Control Points Connected in CAN-Network:

Maximum TimeOut for Receiving the next Telegram from the Message, [0.1sec.]: (2 to 120)

Maximum TimeOut for Receiving the Confirmation of Telegram or Message, [0.1sec.]: (2 to 120)

Maximum TimeOut for Receiving Integral Response, [0.1sec.]: (2 to 120)

Check Period for Availability of CAN-Connected Fire Control Panels, [sec.]: (1 to 120 sec.)

Number of Scans of CAN-connected Fire Control Panels before Sending Veer-Signal for Lack of Response: (0 to 100)

Maximum Number of Errors of CAN-Transmission before Sending a Signal for CAN-Connection Fault: (0 to 5)

Maximum Number of Errors for CAN-Receiving, before Sending a Signal for CAN-Connection Fault: (0 to 5)

- The fire control panel address in the network – number from 1 to 63 (it determines the unique address of the fire control panel in the communication with the others connected to it; the addresses shall not be repeated in one network).
- CAN communications speed – it is determined by the distance between the connected fire control panels (in one network all 7002 communicate at equal speed).
- Priority Communication Level – Main or Subordinate (in one network there should be only one fire control panel with Main Communication Level)
- Name of the local fire control panel in the network – name that should be easily understandable by the operator of the fire control panel (maximum 20 characters)
- TimeOut, after it expires it is assumed that there is a communication error
- Checking Period of the connected fire control panels – time, after which a message is given for no connection with the remote fire control panel.



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Submenu Loops

Parameters of Loop 1

Loop Status: ☐ Off ☒ On

Addressing Mode: ☒ Automatic ☐ Manual Addressing

Number of Devices in the Loop: (0 to 125)

Address	Type	Class	Sel.	Status	Text Message	Zone	Version	ID No.
1	FD7204S			On	SIRENA INTERNA INTRARE PERSONAL	255	8	419468807
2	FD7203			On	DETECTOR MONOXID DE CARBON ZONA NR. 1	255	10	2399310216
3	FD7203			On	DETECTOR MONOXID DE CARBON ZONA NR. 2	255	10	352326152
4	FD7203			On	DETECTOR MONOXID DE CARBON ZONA NR. 3	255	10	2348978568
5	FD7204S			On	SIRENA INTERNA INTRARE SPATE	255	8	335582727
6	FD7203			On	DETECTOR MONOXID DE CARBON ZONA NR. 4	255	4	1191218054
7	FD7203			On	DETECTOR DE INUNDATII	255	10	2432864648
8	FD7203R			On	COMANDA VENTILATOARE MONOXID	255	6	2013415559
9	FD7203R			On	COMANDA SIRENE MONOXID	255	4	302109830
10	FD7203R			On	COMANDA SIRENE INUNDATII	255	6	1493209223

Text Edit of Selected Device:

Detailed Edit Parameters of Selected Device

Comparison with Previous Configuration

Cancel OK

Use this menu to view and edit the parameters of the loops (Loop 1 or Loop 2) and the parameters of the devices in them.

If there are devices in the respective loop they are displayed in the field List of the Devices in Loop (press the button Detailed Editing the Parameters of the Selected Device to change the parameters). Press Yes to save the changes, and Cancel to ignore them, then exit the submenu.

Parameters of Loop 1

Loop Status: ☐ Off ☒ On

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9	FD7203R			On	COMANDA SIRENE MONOXID	255	4	302109830
10	FD7203R			On	COMANDA SIRENE INUNDATII	255	6	1493209223

Text Edit of Selected Device:

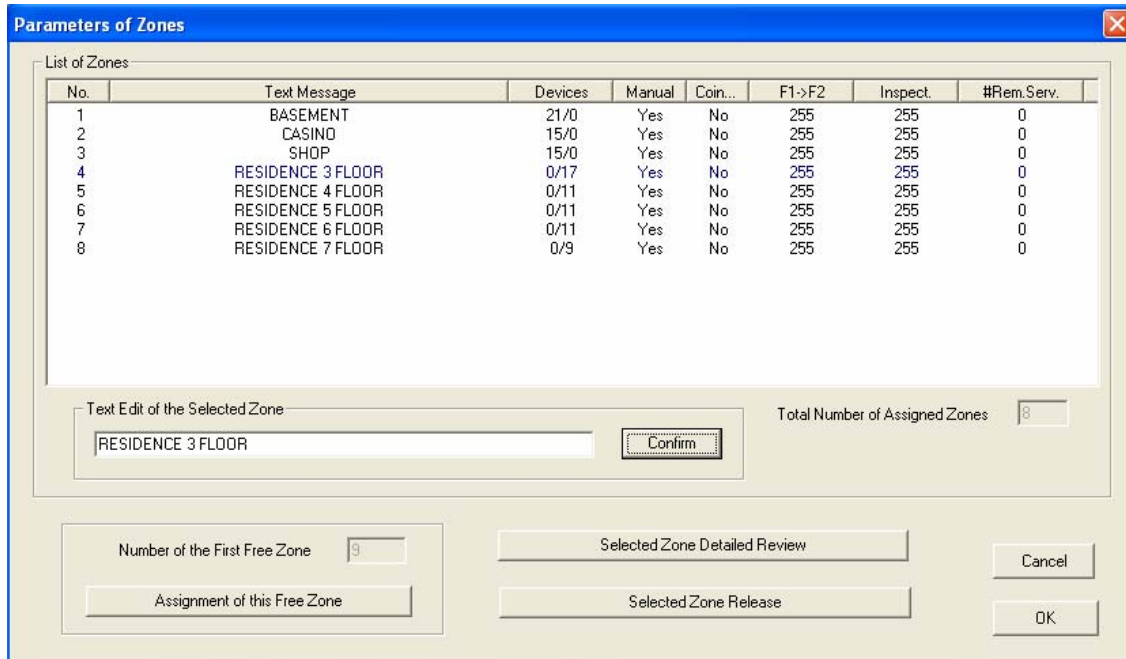
Detailed Edit Parameters of Selected Device

Comparison with Previous Configuration

Cancel OK

Submenu Zones

The parameters of the organized zones are described and edited in it.



Parameters of Zones

List of Zones

No.	Text Message	Devices	Manual	Coin...	F1->F2	Inspect.	#Rem.Serv.
1	BASEMENT	21/0	Yes	No	255	255	0
2	CASINO	15/0	Yes	No	255	255	0
3	SHOP	15/0	Yes	No	255	255	0
4	RESIDENCE 3 FLOOR	0/17	Yes	No	255	255	0
5	RESIDENCE 4 FLOOR	0/11	Yes	No	255	255	0
6	RESIDENCE 5 FLOOR	0/11	Yes	No	255	255	0
7	RESIDENCE 6 FLOOR	0/11	Yes	No	255	255	0
8	RESIDENCE 7 FLOOR	0/9	Yes	No	255	255	0

Text Edit of the Selected Zone: RESIDENCE 3 FLOOR Confirm

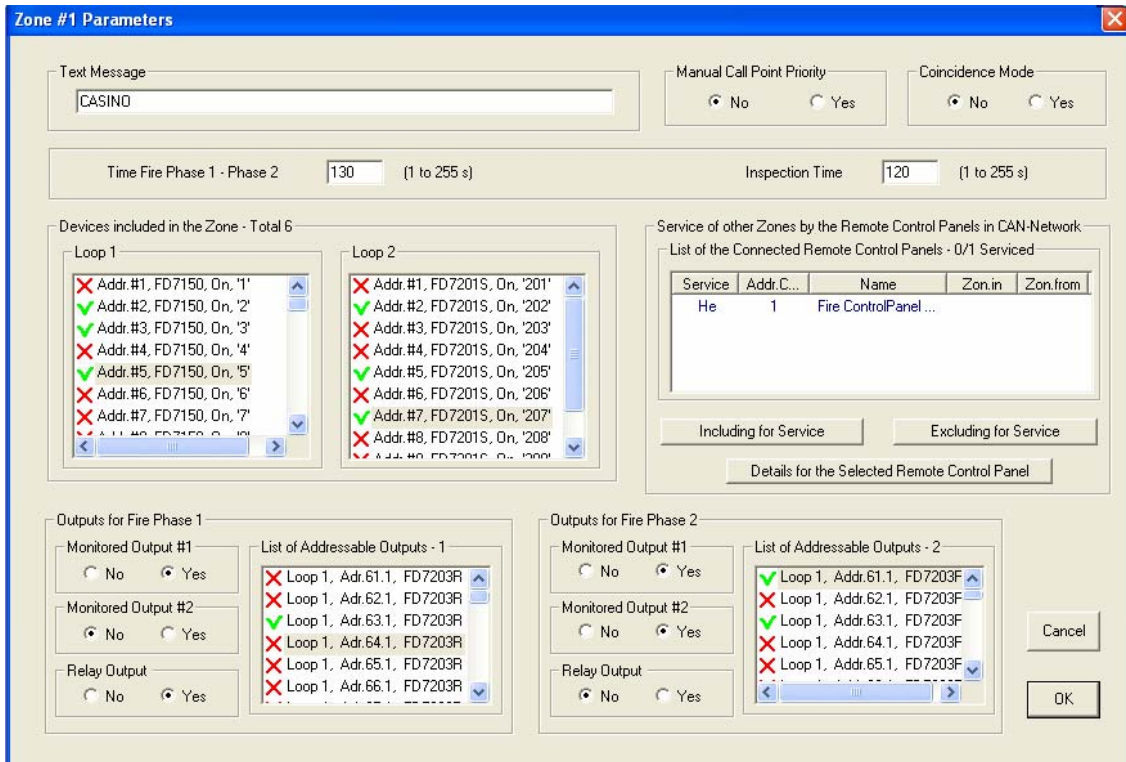
Total Number of Assigned Zones: 8

Number of the First Free Zone: 9 Assignment of this Free Zone

Selected Zone Detailed Review Cancel

Selected Zone Release OK

The field Zones List displays the existing zones with their parameters that could be changed with button Selected Zone Detailed View.



Zone #1 Parameters

Text Message: CASINO

Manual Call Point Priority: ☒ No ☐ Yes

Coincidence Mode: ☒ No ☐ Yes

Time Fire Phase 1 - Phase 2: 130 (1 to 255 s)

Inspection Time: 120 (1 to 255 s)

Devices included in the Zone - Total 6

Loop 1:

- Addr. #1, FD7150, On, '1' (X)
- Addr. #2, FD7150, On, '2' (V)
- Addr. #3, FD7150, On, '3' (V)
- Addr. #4, FD7150, On, '4' (X)
- Addr. #5, FD7150, On, '5' (V)
- Addr. #6, FD7150, On, '6' (X)
- Addr. #7, FD7150, On, '7' (V)

Loop 2:

- Addr. #1, FD7201S, On, '201' (X)
- Addr. #2, FD7201S, On, '202' (V)
- Addr. #3, FD7201S, On, '203' (X)
- Addr. #4, FD7201S, On, '204' (X)
- Addr. #5, FD7201S, On, '205' (V)
- Addr. #6, FD7201S, On, '206' (X)
- Addr. #7, FD7201S, On, '207' (V)
- Addr. #8, FD7201S, On, '208' (X)

Service of other Zones by the Remote Control Panels in CAN-Network

List of the Connected Remote Control Panels - 0/1 Serviced

Service	Addr.C...	Name	Zon.in	Zon.from
He	1	Fire ControlPanel...		

Including for Service Excluding for Service Details for the Selected Remote Control Panel

Outputs for Fire Phase 1

Monitored Output #1: ☐ No ☒ Yes

Monitored Output #2: ☒ No ☐ Yes

Relay Output: ☐ No ☒ Yes

List of Addressable Outputs - 1:

- Loop 1, Addr. 61.1, FD7203R (X)
- Loop 1, Addr. 62.1, FD7203R (X)
- Loop 1, Addr. 63.1, FD7203R (V)
- Loop 1, Addr. 64.1, FD7203R (X)
- Loop 1, Addr. 65.1, FD7203R (X)
- Loop 1, Addr. 66.1, FD7203R (X)

Outputs for Fire Phase 2

Monitored Output #1: ☐ No ☒ Yes

Monitored Output #2: ☐ No ☒ Yes

Relay Output: ☐ No ☒ Yes

List of Addressable Outputs - 2:

- Loop 1, Addr. 61.1, FD7203F (V)
- Loop 1, Addr. 62.1, FD7203F (X)
- Loop 1, Addr. 63.1, FD7203F (V)
- Loop 1, Addr. 64.1, FD7203F (X)
- Loop 1, Addr. 65.1, FD7203F (X)

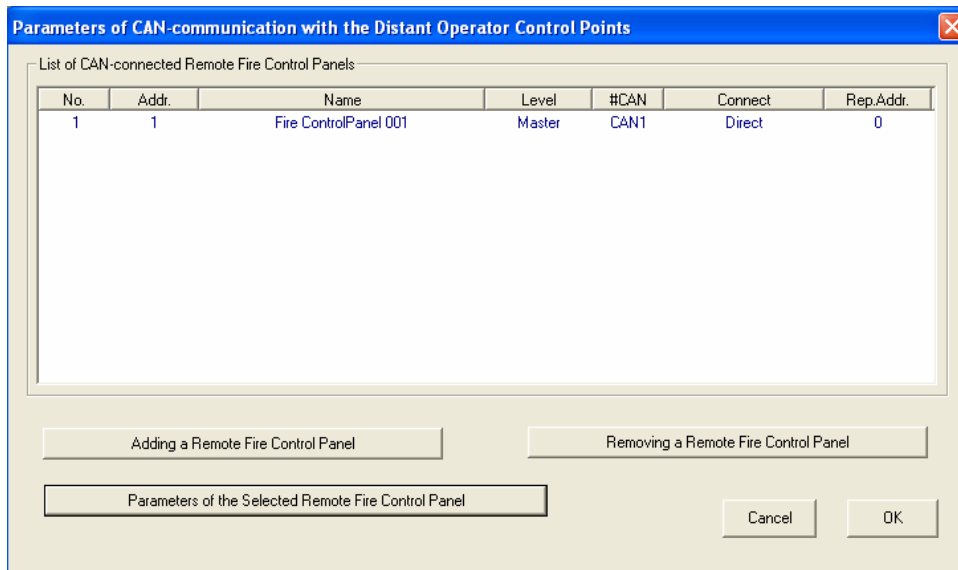
Cancel OK

In this window the zone parameters could be viewed and changed – time F1-F2, Inspection Time, Manual call point priority, Coincidence Mode, Devices switched in the zone – they could be switched on with V and switched off with X, Service of the remotely connected fire control panels (the list could be viewed in the respective field), the Outputs (Monitored 1 and 2, Relay and

Addressable) in Fire condition Stage 1, the Outputs (Monitored 1 and 2, Relay and Addressable) in Fire condition Stage 2. The changed parameters are saved with the button Yes.

Press the button Free Zone Involvement to create a new zone as its number shall coincide with the number in the field First Free Zone Number. Then devices could be connected to that zone and outputs to be configured.

The connected fire control panels in the local network described in details (button Selected Remote Fire Control Panel Parameters) are configured in submenu Connection with CAN Remote Fire Control Panels.



Parameters of CAN-communication with the Distant Operator Control Points

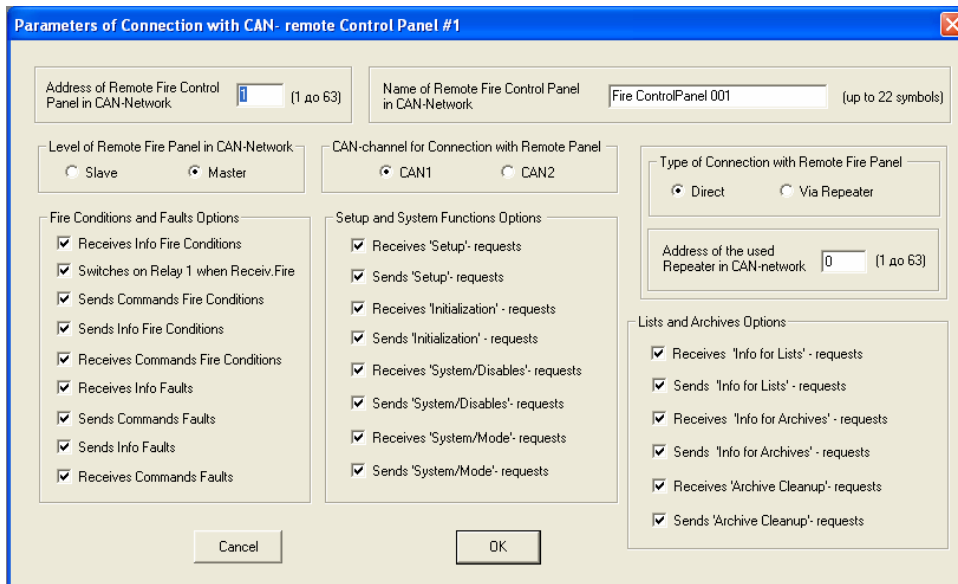
List of CAN-connected Remote Fire Control Panels

No.	Addr.	Name	Level	#CAN	Connect	Rep.Addr.
1	1	Fire ControlPanel 001	Master	CAN1	Direct	0

Adding a Remote Fire Control Panel Removing a Remote Fire Control Panel

Parameters of the Selected Remote Fire Control Panel

Cancel OK



Parameters of Connection with CAN- remote Control Panel #1

Address of Remote Fire Control Panel in CAN-Network: (1 do 63)

Name of Remote Fire Control Panel in CAN-Network: (up to 22 symbols)

Level of Remote Fire Panel in CAN-Network: ☐ Slave ☒ Master

CAN-channel for Connection with Remote Panel: ☒ CAN1 ☐ CAN2

Type of Connection with Remote Fire Panel: ☒ Direct ☐ Via Repeater

Address of the used Repeater in CAN-network: (1 do 63)

Fire Conditions and Faults Options:

- ☒ Receives Info Fire Conditions
- ☒ Switches on Relay 1 when Receiv.Fire
- ☒ Sends Commands Fire Conditions
- ☒ Sends Info Fire Conditions
- ☒ Receives Commands Fire Conditions
- ☒ Receives Info Faults
- ☒ Sends Commands Faults
- ☒ Sends Info Faults
- ☒ Receives Commands Faults

Setup and System Functions Options:

- ☒ Receives 'Setup'- requests
- ☒ Sends 'Setup'- requests
- ☒ Receives 'Initialization'- requests
- ☒ Sends 'Initialization'- requests
- ☒ Receives 'System/Disables'- requests
- ☒ Sends 'System/Disables'- requests
- ☒ Receives 'System/Mode'- requests
- ☒ Sends 'System/Mode'- requests

Lists and Archives Options:

- ☒ Receives 'Info for Lists'- requests
- ☒ Sends 'Info for Lists'- requests
- ☒ Receives 'Info for Archives'- requests
- ☒ Sends 'Info for Archives'- requests
- ☒ Receives 'Archive Cleanup'- requests
- ☒ Sends 'Archive Cleanup'- requests

Cancel OK

Submenu Configuration/Inputs – displays the possibly connected address inputs to the fire control panel.

Submenu Passwords – to view and change the access passwords to the respective user's levels.



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Software Start

Decompress the software in a random folder on the disk (e.g. D:\RS_7000_v.xxx). Start RS7000.bat by double-clicking the mouse. After the software is started, select the dialogue language (menu View/Dialogue Language – Bulgarian, English or Russian)

Set up the communication with the fire control panel (menu Communication / Initialization).

The set ups in this menu and the set ups of the fire control panel should coincide otherwise no communication is established (Speed 2400, Stop bits – 2, Parity – No, Info-bits – 8, Number/Address in the network – to coincide with the one recorded in the fire control panel. Time Out could be by default.

Press the button Yes to save the configuration and exit the menu.

If the current configuration from the fire control panel is to be loaded, select the menu Communication with IFS7002 to get the whole configuration (or the respective chosen elements). Enter menu Configuration to view and edit the configuration elements. If needed the software could be saved on the disk and later to be loaded in the fire control panel. Thus system Back-Up is made in order to avoid the repeated entering of Zones, Loops and Devices parameters. It is possible the configuration to be loaded from the fire control panel without entering of Zones, Loops and Devices parameters and direct entry of the parameters in the programme with subsequent transferring the configuration to 7002.

PASSWORD „uni47pos”.