ZP2400 Web Time Profile

User's Manual

7001045003 R2

This description corresponds to the current programme release, Version 2.0. Changes are taking place constantly, without prior notification.

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1 ULT-EY2400 time programme

The ZP2400-Web time programme allows reading and/or writing time schedules in any ULT present in the novaPro Open network.
To perform these operations, it is necessary to go through several stages of setup. The configurations, as well as the time programme parameters, are recorded at the level of the ZP2400 Web server. Before performing a new setup or modifying an existing setup, it is advised to update parameters by making a reading of the necessary ULT time schedules. (See chapter 4).

1.1 Required Environment

Before installing the ZP2400 Web application, verify that your hardware meets the following requirements:

Hardware:

Processor:	Pentium III 1 GHz
Hard disk:	Sufficient disk space free for the databases
Memory:	256 Mbytes

Software:

Operating System:	Microsoft Windows 2000, 2000 Server, XP Professional
Software:	novaPro Open 1.12 Internet Information Server 5.0 Internet Explorer Navigator 6.0 SP1

1.2 Installation

Insert the CD in its disk drive. The following window appears on the screen:

Two installations are proposed:

- **Install novaPro Open ZP2400 Web server:**

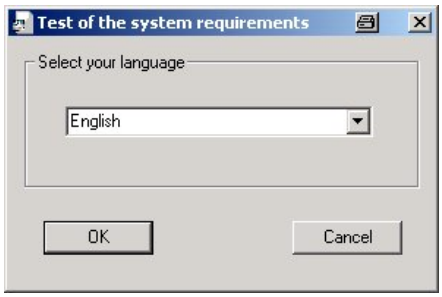
  This installation must always be executed on a PC where IIS (Internet Information Services) is found.

- **Install novaPro Open for ZP2400 Web server:**

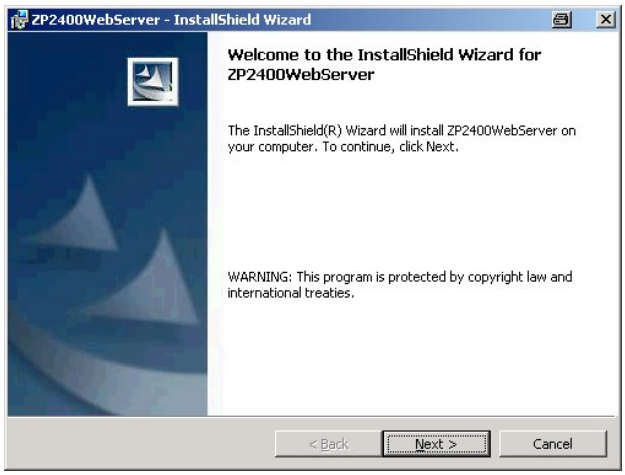
  In the case where IIS (Internet Information Services) is not installed on the same PC as novaPro Open. This installation must be made on the novaPro Open PDM without IIS.
  (A reference PDM if several PDM's are in a computer network).

1.2.1 novaPro Open, ZP2400 Web and IIS on the same PC

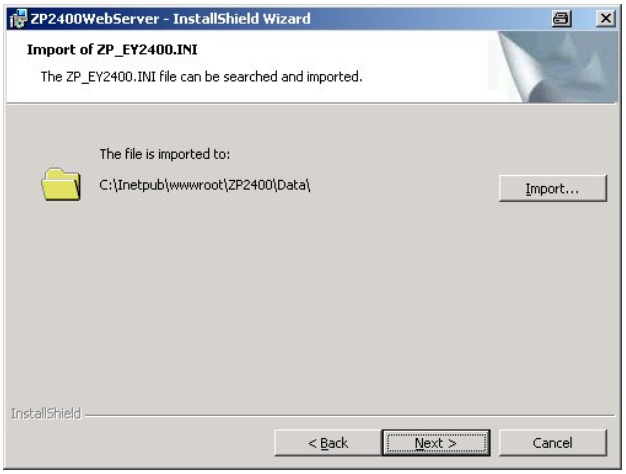
Select "Install novaPro Open ZP2400 Web server":



Choice of installation language. The application language automatically adapts to the language defined in the regional options of the setup parameters in the operating system.

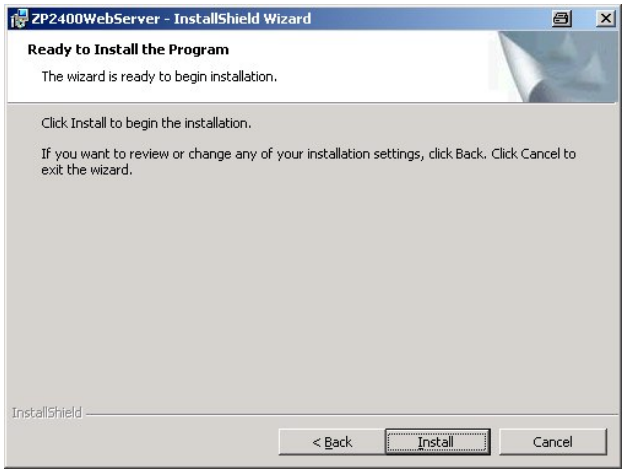


Click on "Next".

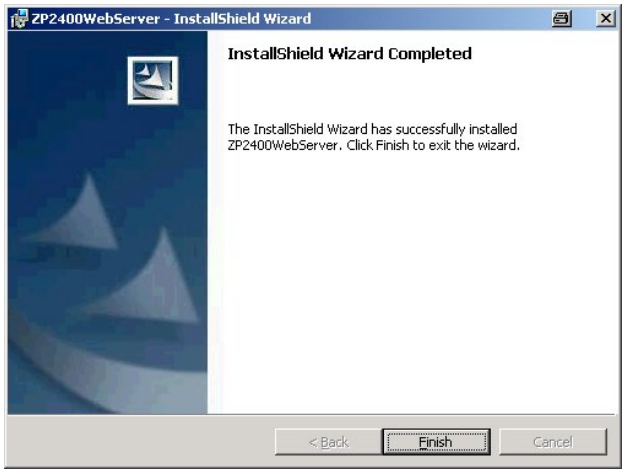


In the case of an installation where the ZP2400 version 1.0 software is already in use, there is the possibility of using the setup that already exists for the new application.

ZP2400 Web by importing file "ZP_EY2400.ini":



Click on "Install".

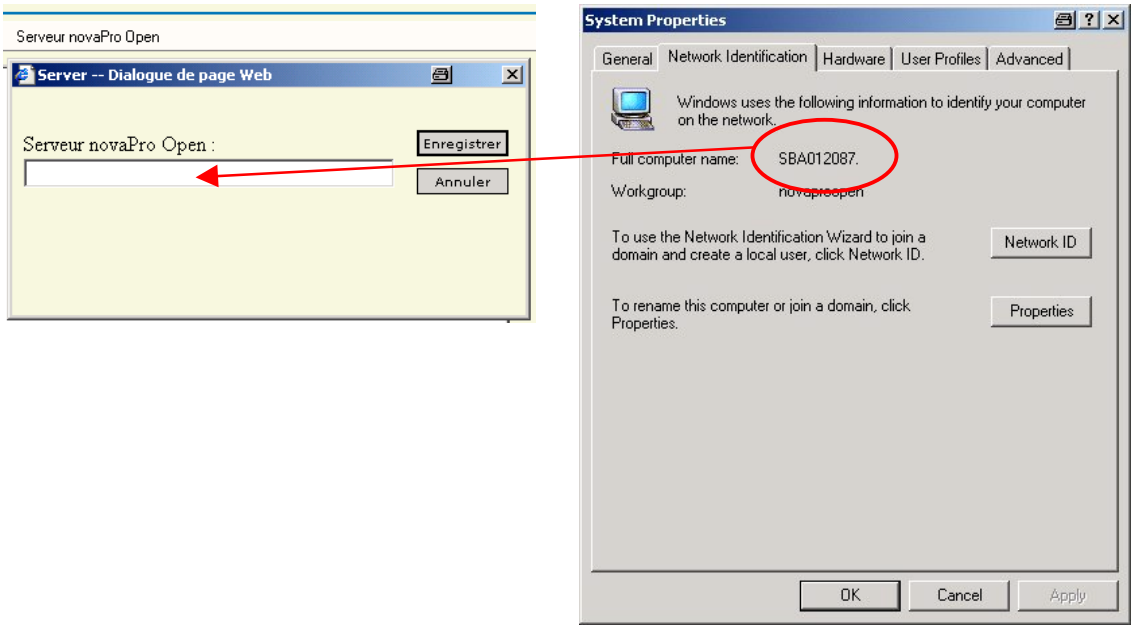


Click on "Finish".

1.2.2 IIS and ZP2400 Web on a separate PC to novaPro Open

In the case where IIS (Internet Information Services) is not installed on the same PC as novaPro Open. This installation must be made on the novaPro Open PDM without IIS. (A reference PDM if several PDM's are in a computer network).

Select "**Extension novaPro Open for ZP2400 Web server**" and follow the instructions given by the installation programme.
The ZP2400 Web configuration is the same as for the normal installation (1.3.2) with the difference that it is necessary to specify the name of the novaPro Open PC in the "novaPro Open Server" field, so that the link at the level of the computer network can be established.

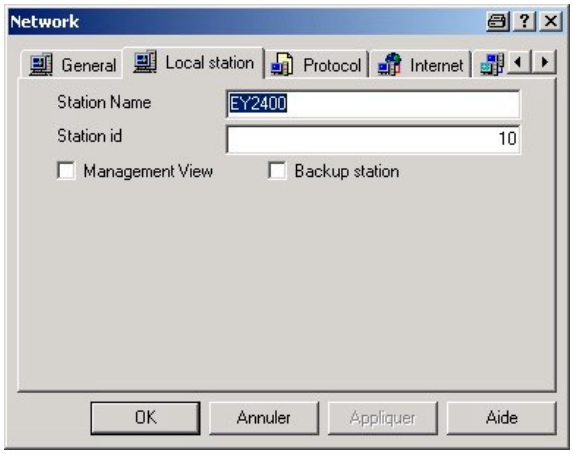


1.3 Required novaPro Open Setup

So that the ZP2400 Web time profile can function, it is necessary that certain parameters and variables are installed.

1.3.1 Station name

In the "Local Station" setup tab of the novaPro Open "Network" dialogue box, enter the name of the station as well as its number.



1.3.2 Variables

Certain variables are necessary for reading and transmitting time schedules from ULT EY2400's.

Format of nPO variables:

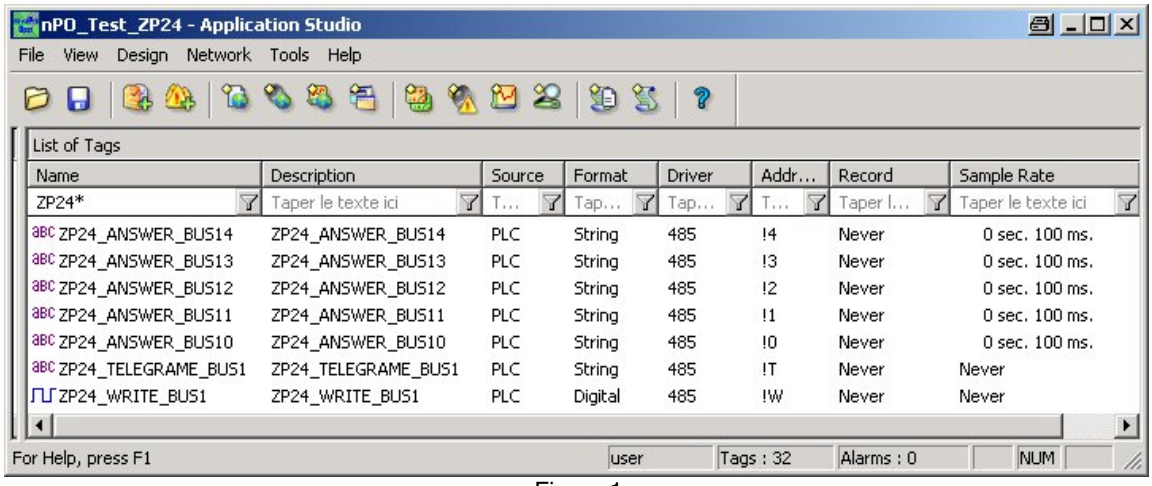


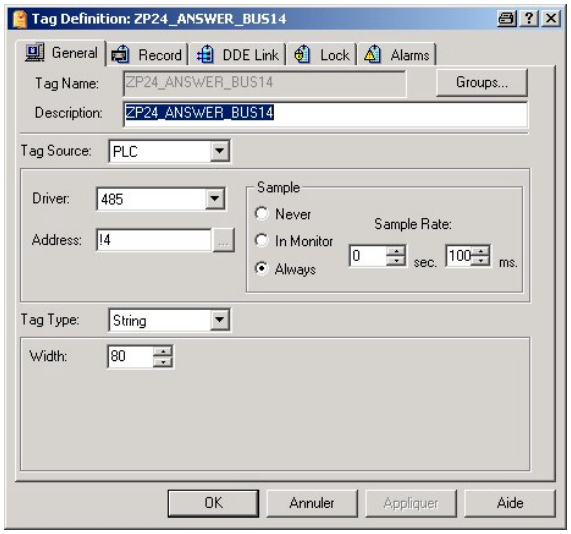
Figure 1

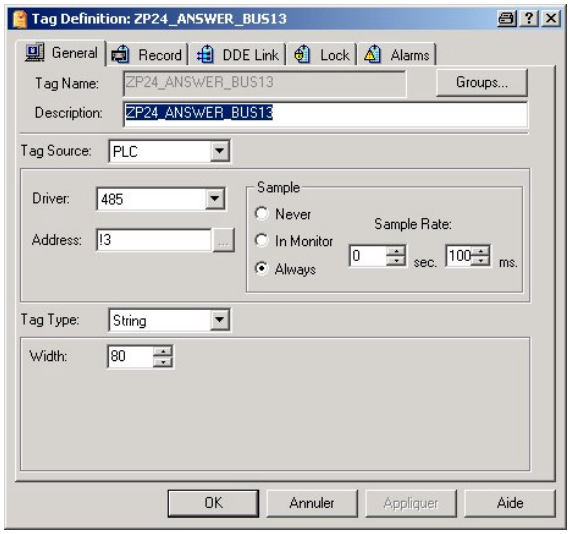
Figure 1 shows the format of novaPro Open variables for a given bus (BUS 1).
It is necessary to verify that this group of 7 variables exists in the list of variables for each bus (VPI).

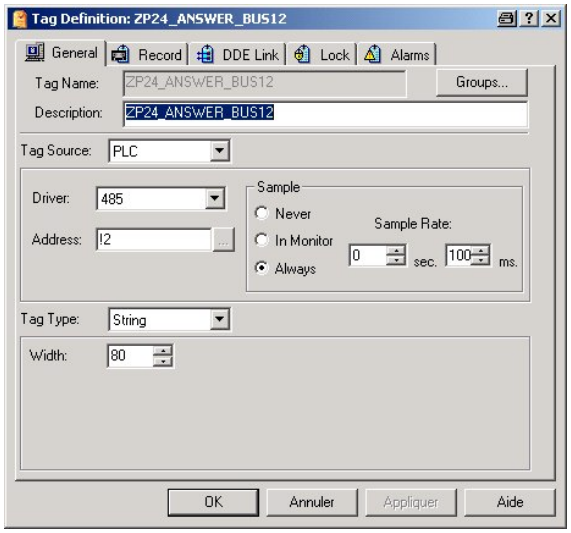
Comments:

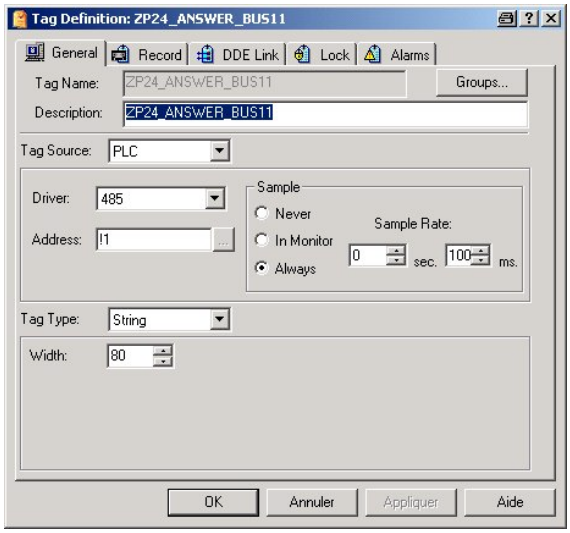
If you use the CONV_EY2400.exe conversion tool that makes a conversion of the "V PRO AD" log from the LZ to *.CSV files for importing variables and alarms, these variables are automatically generated.
These variables can also be imported by performing exportation of the setup made in the ZP_EY2400-Web software. (See sub-chapter VPI in chapter 3.2).

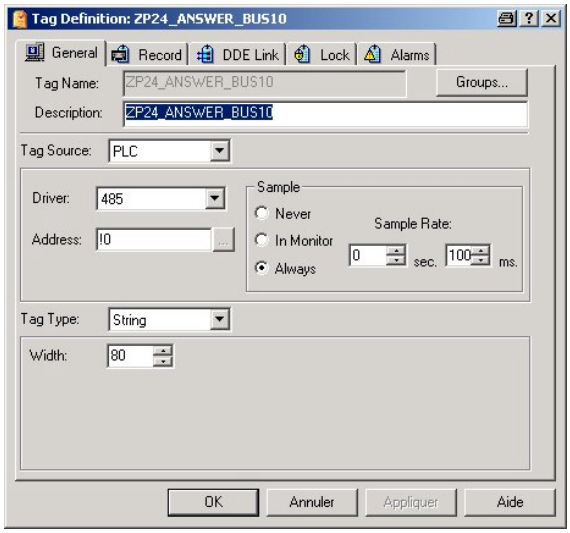
Setup of variables

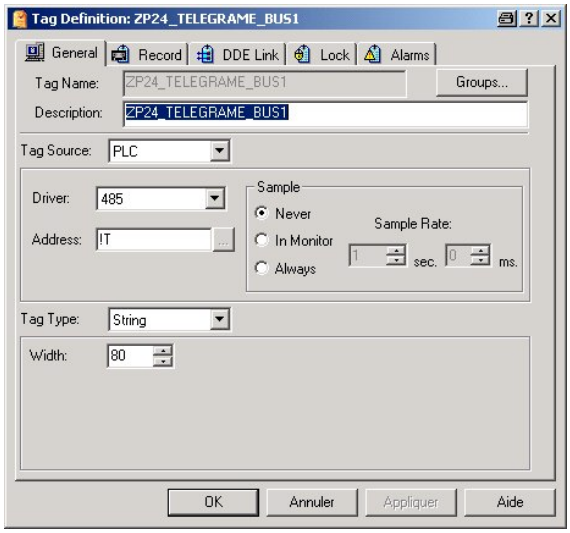


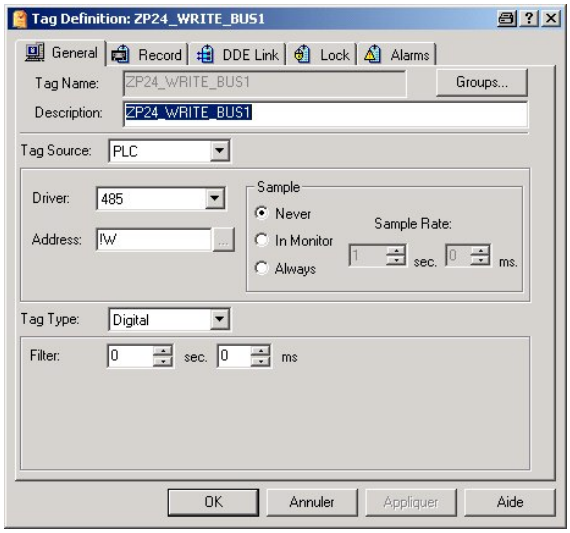







Tag Definition: ZP24_ANSWER_BUS10
General
Record
DDE Link
Lock
Alarms
Tag Name: ZP24_ANSWER_BUS10
Groups...
Description: ZP24_ANSWER_BUS10
Tag Source: PLC
Driver: 485
Address: !0
Sample
Never
In Monitor
Always
Sample Rate:
0 sec. 100 ms.
Tag Type: String
Width: 80
OK
Annuler
Appliquer
Aide


Tag Definition: ZP24_TELEGRAME_BUS1
General
Record
DDE Link
Lock
Alarms
Tag Name: ZP24_TELEGRAME_BUS1
Groups...
Description: ZP24_TELEGRAME_BUS1
Tag Source: PLC
Driver: 485
Address: !T
Sample
Never
In Monitor
Always
Sample Rate:
1 sec. 0 ms.
Tag Type: String
Width: 80
OK
Annuler
Appliquer
Aide


Tag Definition: ZP24_WRITE_BUS1
General
Record
DDE Link
Lock
Alarms
Tag Name: ZP24_WRITE_BUS1
Groups...
Description: ZP24_WRITE_BUS1
Tag Source: PLC
Driver: 485
Address: !W
Sample
Never
In Monitor
Always
Sample Rate:
1 sec. 0 ms.
Tag Type: Digital
Filter: 0 sec. 0 ms
OK
Annuler
Appliquer
Aide

ZP2400 Web Time Profile

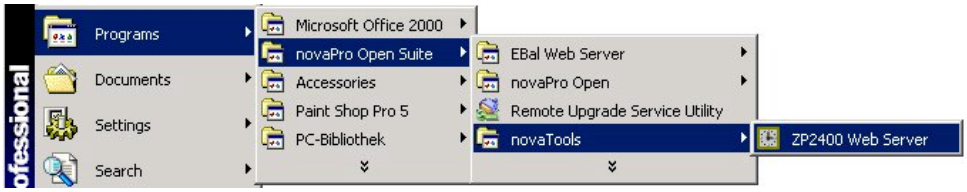
ULT-EY2400 time programme

2 Starting the Application

novaPro Open must be started before launching ZP2400 Web.

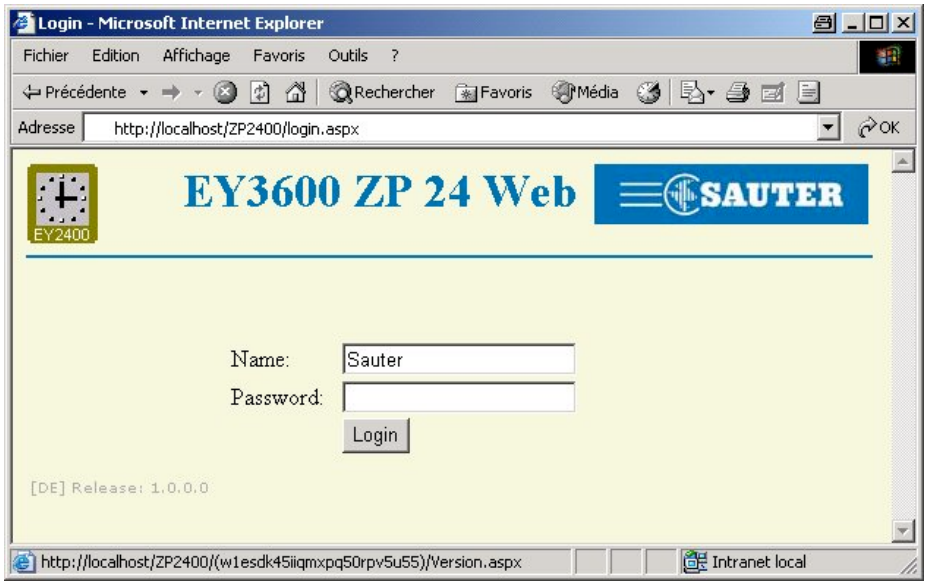
2.1 Launching ZP2400 Web

Launch **ZP2400 Web** with "Start – Programmes – novaPro Open Suite – ZP2400 Web Server":



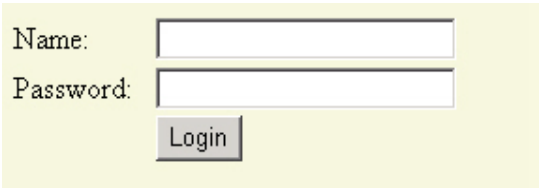
or with the Internet navigator:

An initialisation window is displayed:



2.2 Login

In the corresponding fields, enter the user name as well as the password and confirm these entries by pressing the "**Login**" button.



Default password is:
Name: Sauter
Password: 12345

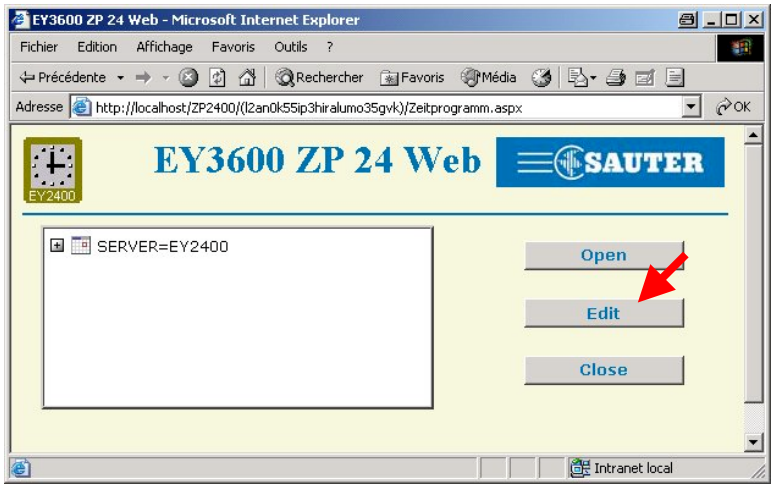
3 General Setup

3.1 User

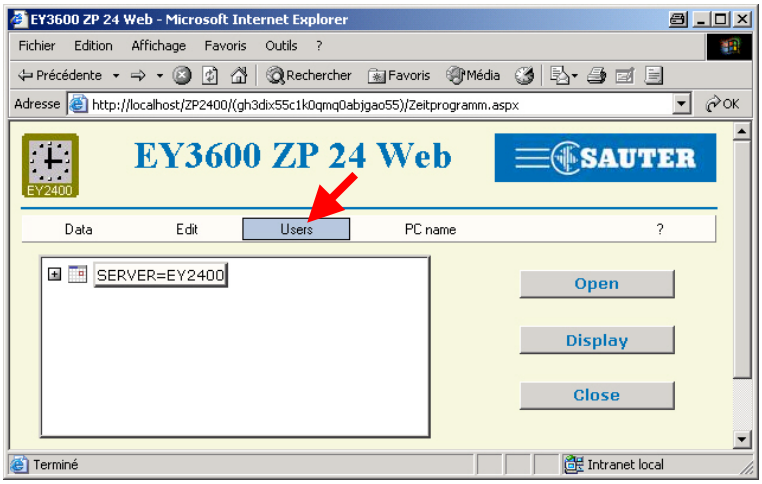
The **ZP2400 Web** functions are only accessible to authorised personnel. An operator is identified by the system with a user name and a password. The user name and password are comparable with a personal key.

Due to the password taken from the novaPro Open application, the rights of different users can be individually assigned and are setup in the ZP2400 Web application.

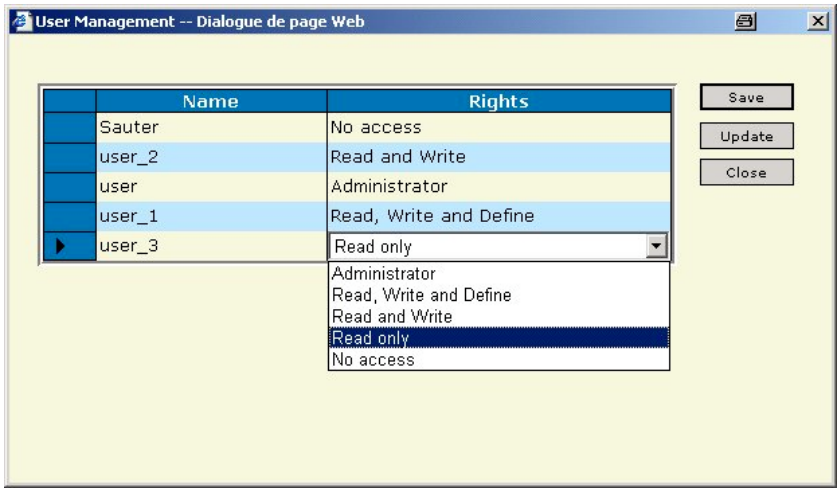
The "User Management" window is displayed by an initial click on the "Edit" button:



then on "Users":



The "User Management" window is displayed after having clicked on "**Update**" in the list of all the users recorded in the novaPro Open application. Access rights are set to "No Access" by default.
Only users with administrator rights can assign or modify the rights of other users:



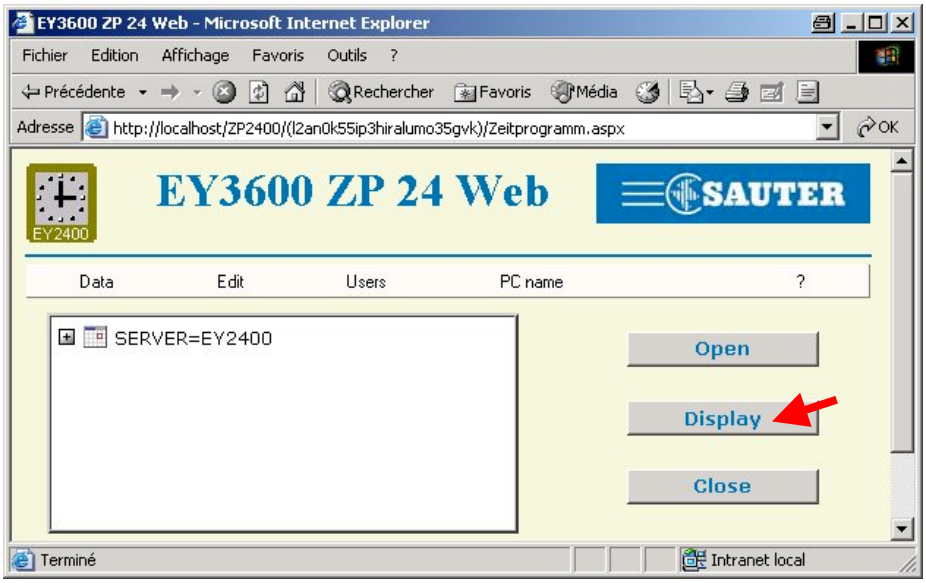
Four levels of access rights exist:

- **Administrator:** The highest level, with all rights (All configurations and modifications of values).
- **Reading, writing and definition:** A level that allows defining and modifying elements in the tree view structure and time programs, as well as writing and reading of the latter from ULT's.
- **Reading and writing:** A level that allows defining and modifying time schedules, as well as writing and reading them from ULT's.
- **Read only:** Possibility of consulting time schedules.
- **No access:** No operation is possible.

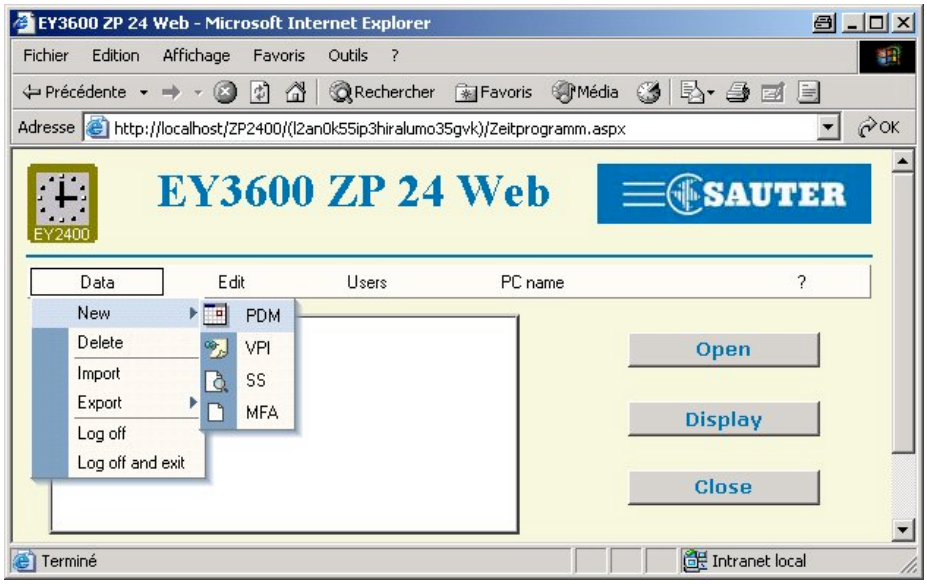
After a modification, it is always necessary to save by clicking on the "Save" button.

3.2 Variables

The "Properties" window is displayed by an initial click on the "Display" button:



Then on "**Data**" for adding or deleting elements in the tree view structure or on "**Edit**" to modify an element:

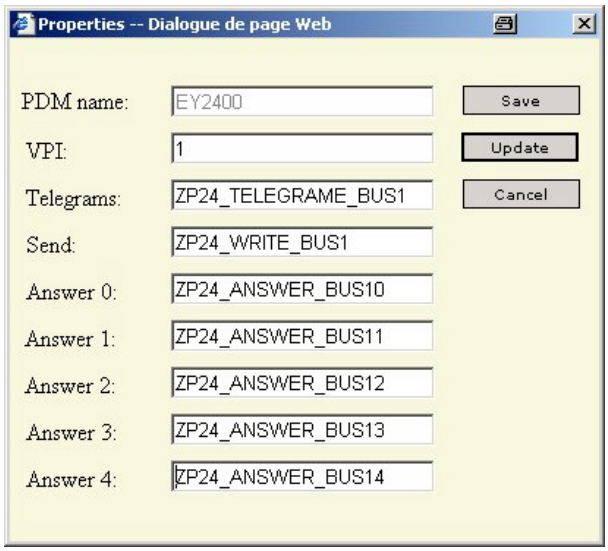


With this window in graphic form (TreeView) the tree structure of your installation at the level of variables can possibly have configured time schedules.
At this level, it is quite possible to modify all the parameters of this tree structure at your convenience i.e. server names, VPI (bus), UGL and AMF numbers, insertion/deletion of a tree structure node, etc.

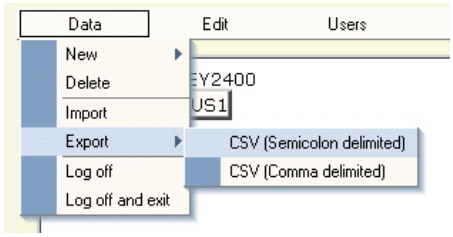
3.2.1 PDM Name

Station name generated under novaPro Open (see 1.3.1).

3.2.2 VPI

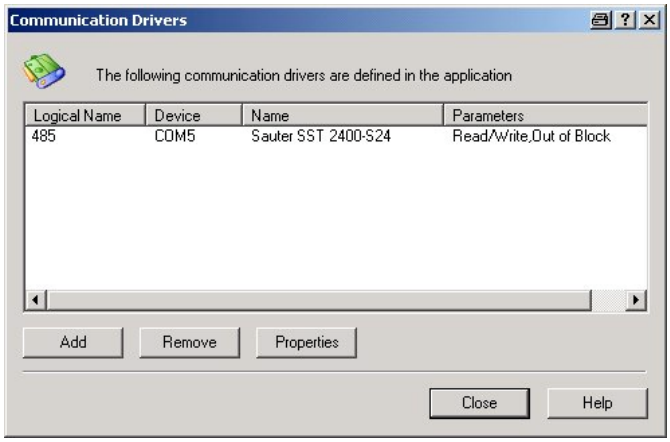


Bus configuration (VPI or pilot number) with suitable variables for communication with the ULT's. The VPI number corresponds to the line of the WIZVPI.DAT file in respect to the line of the pilot generated under novaPro Open. The communications variables can be automatically edited by clicking on the "Update" button after having entered the VPI number and being exported in a CSV file (for importing into novaPro Open).



The name of the dialogue variables above must correspond to variables generated in novaPro Open (see 1.3.2).

novaPro open "Communication Drivers" Dialogue:

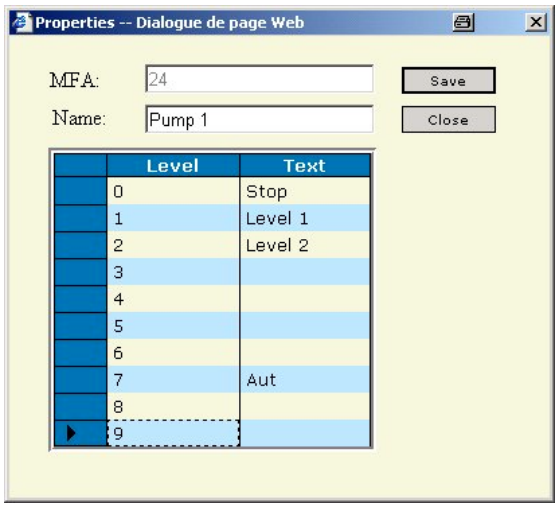


3.2.3 ULT (Sub-station EY2400)

ULT number with its designation:

3.2.4 AMF (Variable)

AMF number with its designation:

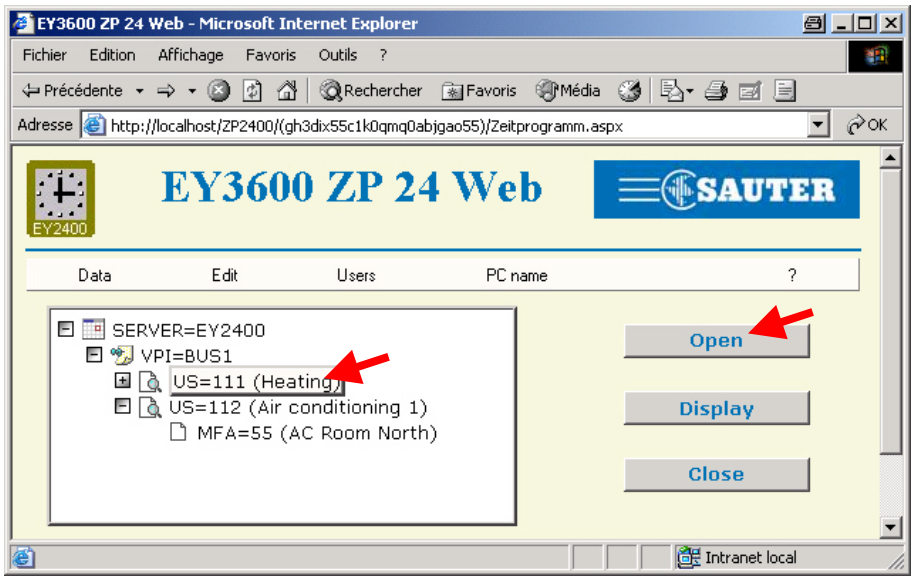


Levels utilised for this command variable can be edited with a mnemotechnic notation text. Texts for non-utilised levels can be deleted.

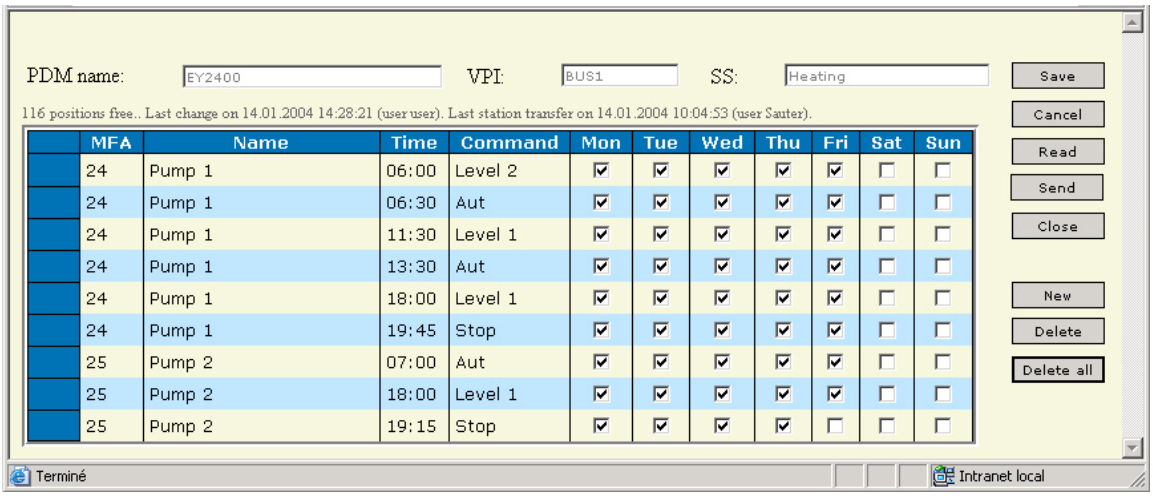
4 Time Schedules Setup

The "Time schedules" window is displayed after having selected either a ULT or a variable (AMF) by clicking the "**Open**" button.

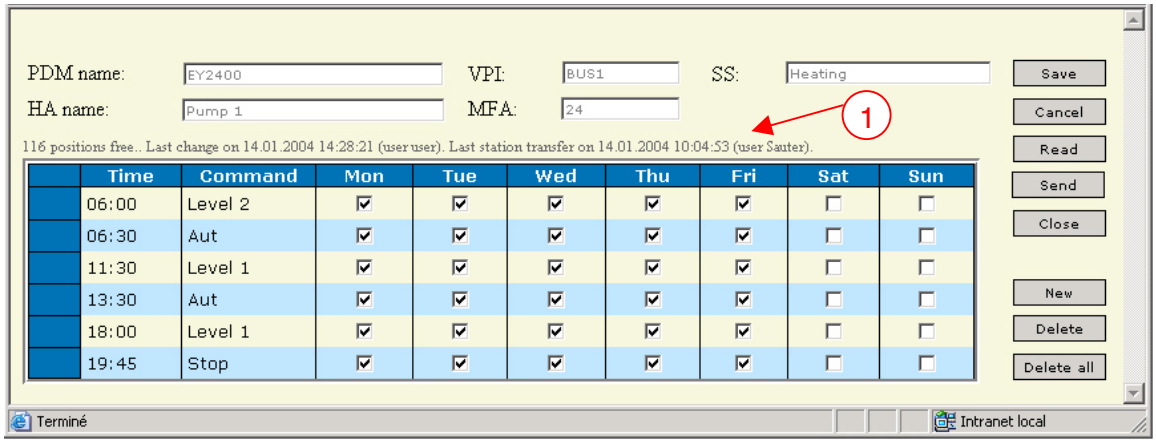
To return to the main page:



Setup and visualisation of PH's in a ULT:



Setup and visualisation of PH's of a variable:



Piloting time schedules is performed using the buttons found on the right.

Important:

Before any operation, please consult information line "**1**".
This line gives the following information:

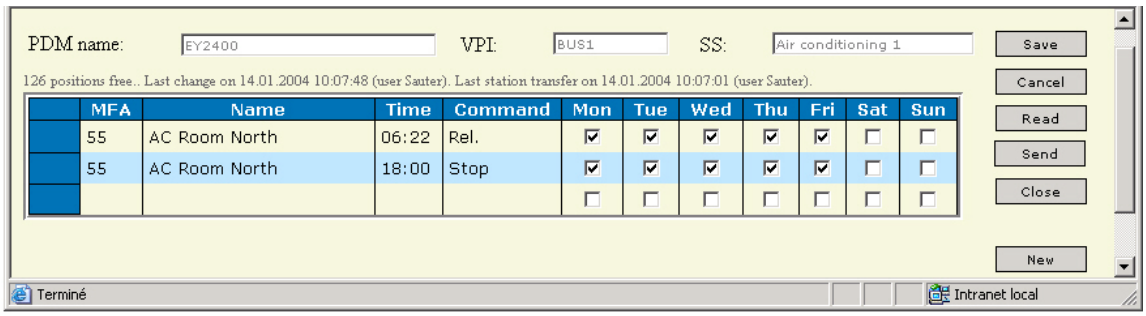
- Number of free time schedule steps.
- Date/time of the last modification with respect to the last record.
  This date /time is also updated during reading or writing.
- Date/time of the last transmission (writing ZP2400 Web time schedules in the ULT) or reading.
- Name of the active user.

Buttons:

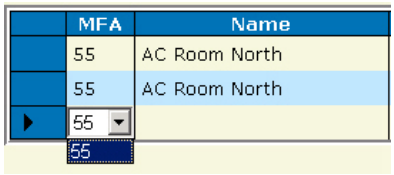
- **Save** — With this button, any new setup or modification concerning the ULT is memorised at the level of the server.
- **Cancel** — Cancels all operations performed since the last recording.
- **Read** — Allows reading time schedules in the ULT.
- **Write** — Allows transmitting time schedules to the ULT.
- **Close** — Closes the edition window of time schedules without saving of modifications.
- **New** — Adds a new line that allows setting up a new schedule step.
- **Delete** — Deletes selected lines. This operation is confirmed by "Save" or "Write".
- **Delete all** — Deletes the contents of the window. This operation is confirmed by "Save" or "Write".

4.1 Setup / modification of a Time Schedule Step

At this level, you may modify, delete or add a line with the buttons intended for this purpose:



4.1.1 Choice of AMF



With a click in the field, the list of AMF's configured (see chapter 3) is displayed for selection of the AMF. The AMF description is edited automatically.

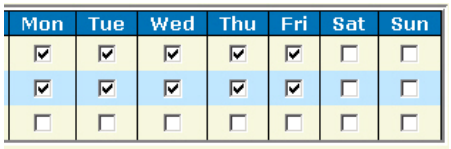
4.1.2 Choice of the time

With a click in the field, this last element becomes editable. The time format is **hh:mm.**

4.1.3 Choice of commands

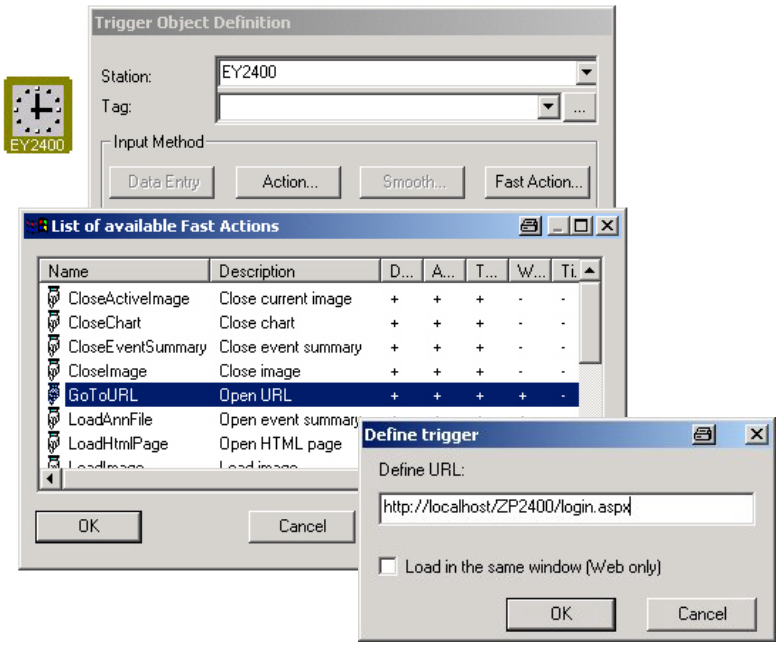
With a click in the field, the list of commands configured for this AMF (see chapter 3) is displayed for selection of the command order.

4.1.4 Choice of day



Mon	Tue	Wed	Thu	Fri	Sat	Sun
☑	☑	☑	☑	☑	☐	☐
☑	☑	☑	☑	☑	☐	☐
☐	☐	☐	☐	☐	☐	☐

The selection of days is made by ticking the applicable days.
The number of schedule steps is optimised.

5 Starting from a novaPro Open Image

It is also possible to open the ZP2400 Web page directly from an image. To do this, it is necessary to define a trigger object with the "Fast Action" and "GoToURL" functions: