

**User's Manual** 

7001068003 S5

This description corresponds to the current state of version 2.0 of the programme. Modifications may be made without prior notification.







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# Trademarks

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**EY3600 Web Time Programme** 



# 1 EY3600 Web Time Programme

By the means of the calendar and time schedules that are based on it, it is possible to determine the timing behaviour of automation station addresses (AS). In the calendar, replacement days (non-working days, special days, etc) are configurable and allow adaptation of the annual calendar.

The calendar, as well as the time schedules, are stored and executed at the level of the AS.

The ZP\_EY3600-Web time programme allows reading and writing time schedules in any AS present on the novaPro Open network.

Setups of time schedules and calendars are also stored at the level of the ZP3600 Web server.

Before performing a new setup or modifying an existing setup, it is advised to update parameters by making a reading of the relevant AS time schedules or calendar.

# 1.1 Required Environment

Before installing the ZP3600 Web application, verify that your hardware meets the following requirements:

#### Hardware:

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

#### Software:

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





EY3600 Web Time Programme

# 1.2 Installation

Insert the CD 2/2 in its disk drive.

The following window appears on the screen:



#### novaPro Open ZP3600 Web installation:

Two ZP3600 Web installations are proposed:

• Install novaPro Open ZP3600 Web server:

This installation must always be executed on a PC where IIS (Internet Information Services) and novaPro Open ZP3600 data server software are found.

• Install novaPro Open ZP3600 Data server:

This installation must be performed on the same PC as the "novaPro Open ZP3600 Web server" software and on a novaPro Open PC (PDM, Work station or Web-Server)

### 1.2.1 novaPro Open ZP3600 Web server:

This installation must always be executed on a PC where IIS (Internet Information Services) and "novaPro Open ZP3600 Data server" software are found.

Select "Install novaPro Open ZP3600 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 or the Internet options.

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### EY3600 Web Time Programme









**EY3600 Web Time Programme** 

### 1.2.2 novaPro Open ZP3600 Data server:

This installation must be performed on the same PC as the "novaPro Open ZP3600 Web server" software and on a novaPro Open PC (PDM, Work station or Web-Server)

#### Select "Install novaPro Open ZP3600 Data server":





### EY3600 Web Time Programme





Installation of the Data-Server is finished.





EY3600 Web Time Programme

# 1.3 Required novaPro Open Setup

So that the ZP3600 Web time profile can function, it is necessary that certain parameters as well as variables are installed.

### 1.3.1 Station name:

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

Network		🖅 ? 🗙
🍓 General 🍓 Local s	tation 🛐 Protocol 🕅	Internet 🔛 🔹 🕨
Station Name	PDM1	
Station id		112
Backup station		
OK	Cancel Apply	Help

### 1.3.2 Tags

Certain tags are necessary for reading and transmitting AS time schedules and calendars.

### Format of nPO tags:

🛫 test112 - Application Studio 🕒 🗕 🗆 🗙										
File View Design Network Tools Help										
2 🕞 😫 🅸 🖏 🚝 🝓 🗞 🖾 😫 🧐 🕱 🧝										
List of Tags										
Name	Description	Source	Format	Driver	Add	Record	*			
Enter text here	Enter text here	Ent 🍸	E 🍸	Enter 🍸	E 🍸	Enter text here				
SP36_ANSWER_BUS14	TIME PROGRAME EY3600 - ANSWER 4 on BUS1	PLC	String	EY3600_1	!4	On Change				
XP36_ANSWER_BUS13	TIME PROGRAME EY3600 - ANSWER 3 on BUS1	PLC	String	EY3600_1	!3	On Change				
XP36_ANSWER_BUS12	TIME PROGRAME EY3600 - ANSWER 2 on BUS1	PLC	String	EY3600_1	!2	On Change				
XP36_ANSWER_BUS11	TIME PROGRAME EY3600 - ANSWER 1 on BUS1	PLC	String	EY3600_1	!1	On Change				
XP36_ANSWER_BUS10	TIME PROGRAME EY3600 - ANSWER 0 on BUS1	PLC	String	EY3600_1	!0	On Change				
SP36_TELEGRAME_BUS1	TIME PROGRAME EY3600 - TELEGRAME on BUS1	PLC	String	EY3600_1	!T	On Change				
VZP36_WRITE_BUS1	TIME PROGRAME EY3600 - WRITE on BUS1	PLC	String	EY3600_1	!W	On Change	•			
						•				
For Help, press F1	Į	3	Tags : 254	4 Alarms :	240	NUM	//.			



#### EY3600 Web Time Programme



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

#### Comments:

If you use the CONV\_EY3600.exe conversion tool that makes a conversion of the "BMTLEXPORT.MDB" file to csv files for importing tags and alarms, these tags are automatically generated.

The ZP\_EY3600.ini file can be automatically generated using the same tool. To create a file relative to several BMT's, you must perform several conversions and concatenate the contents of all the files in the ZP\_EY3600.ini definitive file.

### Setup of tags

Tag Definition: ZP 36_WRITE_BUS1	Tag Definition: ZP36_TELEGRAME_BUS1
General       Image: Constraint of the second	General       Image: Record       Image: DDE Link       Image: Lock       Image: DDE Link       Image: DDE Lin
Tag Source:     PLC       Driver:     EY3600_1       Address:     FW       C     In Monitor       C     Always	Tag Source:     PLC       Driver:     EY3600_1       Address:     IT       G     Never       Sample Rate:       C     In Monitor       C     Always
Tag Type: String	Tag Type: String  Vidth: 80
OK Cancel Apply Help	OK Cancel Apply Help

Carl Tag Definition: ZP36_ANSWER_BUS10	Tag Definition: ZP 36_ANSWER_BUS11
General 🔐 Record 🏩 DDE Link 👔 Lock 🕼 novaPLC 🖄 Alarms	General Record 1 DDE Link 1 Lock 1 novaPLC 1 Alarms
Description: TIME PROGRAME EV3600 - ANSWER 0 on BUS1	Description: TIME PROGRAME EY3600 - ANSWER 1 on BUS1
Tag Source: PLC	Tag Source: PLC
Driver: EY3600_1 Sample Address: 10 In Monitor C Always sec. Imms.	Driver: EY3600_1 Sample Address: I1 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
Tag Type: String	Tag Type: String
Width: 80 *	Width: 80
OK Cancel Apply Help	OK Cancel Apply Help





### EY3600 Web Time Programme

😫 Tag Definition: ZP36_ANSWER_BUS13	😫 Tag Definition: ZP36_ANSWER_BUS12
General       Image: Constraint of the second	General
Tag Source: PLC	Tag Source: PLC
Driver: EY3600_1 Sample Address: I3 Address: C In Monitor C Always sec. Sample Rate:	Driver: EY3600_1   Address: 12   Address: 12
Tag Type: String	Tag Type: String
Width: 80	Width: 80
OK Cancel Apply Help	OK Cancel Apply Help

😫 Tag Definition: ZP 36_ANSWER_BUS14 🔤 ? 🗙									
General       Record       DDE Link       Lock       InovaPLC       Alarms         Tag Name:       ZP36_ANSWER_BUS14       Groups         Description:       TIME PROGRAME EY3600 - ANSWER 4 on BUS1									
Tag Source:     PLC       Driver:     EY3600_1       Address:     I4       C     In Monitor       C     Always	≛ ms.								
Tag Type: String									
OK Cancel Apply	Help								



**Starting the Application** 



# **2 Starting the Application**

Similarly to "ZP3600 Data-server", novaPro Open must be started before launching ZP3600 Web.

Automatic execution of "ZP3600 Data-server" can be configured at the level of novaPro Open (see user manual 7000977, novaPro Open I, chapter 5: Definition of system options, application configuration).

At the first start-up of "ZP3600 Data-server", a database in "mdb" format, as well as a "ZP3600" folder, are installed under the novaPro Open active project.

# 2.1 Launching ZP3600 Web

Launch **ZP3600 Web** with "Start – Programmes – novaPro Open Suite – novaTools - ZP3600 Web Server":

	6	Programs I		Lavasoft Ad-Aware SE Personal	•	•		
	*	Favorites		marketing Micrografx Designer	•	•		
		Documents		Micromedia	۲			
				MS Office XP	•	•		
nal	4	Settings	• I	🛅 novaPro Open Suite	₽	• 🛅 EBal Web Server	•	
<b>9</b>				🛅 Novell (Common)	•	novaPLC I	•	
esi	$\sim$	Search	1	DLITEC	⊁	novaPro EBal	•	
rof	?	Help and Support	1	OpenOffice.org 1.1.4	۲	novaPro Open	•	
-	-			Paint Shop Pro 5	⊁	novaReport	•	
×		Run	1	DC-Bibliothek	۲	movaTools		ZP2400 Web Server
WS	_		-(	🛅 Roxio Easy CD Creator 5	⊁	📓 Remote Upgrade Service Utility	0	ZP3600DataServer
op	$\mathscr{P}$	Log Off SchmiGer	1	🛅 Startup	۲			ZP3600WebServer

#### or with the Internet navigator:



An initialisation window is displayed:

🥙 hti	tp://lo	calho	st/ZP	3600	)/login	.aspx - Mio	crosoft In	nternet Ex	plorer		8	_ 🗆 🗙
File	Edit	View	Favo	orites	Tools	Help						- 🥂
Bar	<b>)</b> , ck	Forv	<b>)</b> vard	Ŧ	💌 Stop	2 Refresh	() Сору	ome (	,⊃ Search	☆ Favorites	Media	»
Addre	ess 🙋	http:/	/localh	ost/ZF	P3600/lo	gin.asp×					•	🔁 Go
Г Е¥360	4 4 10					EY <b>36</b> (	0 Tin	ne pro	ogram	mes		<u>^</u>
						<b>N</b> T				1		
						Ivame Password	     Log in	n		]		
								_				
												-





**Starting the Application** 

# 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.

Name	
Password	
	Log in

BY default, the password is: Name: Sauter Password: 12345



**General Setup** 



# **3 General Setup**

# 3.1 User

The **ZP36000 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 to a personal key.

Due to the password taken from the novaPro Open application, the rights of different users can be individually assigned and are set up in the ZP3600 Web application.

The "User Administration" section of the window is displayed by clicking on the "User" icon of the navigator



Importing novaPro Open users is performed by clicking on the "Import" icon.



The "User Administration" window is displayed after having clicked on "**Import**" in the list of all users stored in the novaPro Open application. By default, access rights are set to "No access" for all users that have not been allocated to a predefined group. Only users with administrator rights can assign or modify the rights of other users





#### **General Setup**

#### Predefined group in novaPro Open:

nPO group	ZP3600 Web Rights
Administrator	Administrator
ZP3600_R	Read only
ZP3600_RW	Read and write
ZP3600_RWD	Read, write and definition

Four levels of access rights exist:

- Administrator: The highest level, with all rights (All configurations and modifications of values).
- Read, write and definition: Level which allows all operations, except definition of users.
- Read and write: A level that allows defining and modifying time schedules and calendars, as well as writing and reading them from AS's.
- > **Read only:** Possibility of consulting time schedules and calendars.
- > No access: No operation is possible.

After a modification, it is always necessary to make a backup by clicking on the "Save" icon.

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# 3.2 Addresses

The "AS/Addresses" section of the window is displayed by clicking on the "AS/Addresses" icon of the navigator.

📴 Objects	🛣 New 🗋 🗙 🚽 🎾 🎾 🕘 Help -	
<ul> <li>Project</li> <li>Time programmes</li> <li>Calendars</li> <li>Configuration</li> <li>AS/Addresses</li> <li>Users</li> </ul>	Microsoft Internet Explo	Import variables

Two possibilities exist for creation of addresses that can be used for time programmes:

- Importing from a "ZP\_EY3600.INI" file.
- Manual setup

## 3.2.1 Importing from a "ZP\_EY3600.ini" file.

This file can be automatically generated by using the CONV\_EY3600.exe conversion tool. To create a file relative to several BMT's, you must perform several conversions and concatenate the contents of all the files in the ZP\_EY3600.ini definitive file. In the nPO application, if version 1.0 of the ZP3600 programme has been used, the "**ZP\_EY3600.INI**" file already exists and because of this, all of the setup performed in the previous version must be imported.

**Comment:** This file must obligatorily found in the "ZP3600" sub-folder of the novaPro Open project.

### 3.2.2 Manual setup



With this window in graphic form (TreeView) the tree structure of your installation at the level of addresses can possibly have configured time programmes.

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), Routel island, folder, AS and address, insertion/deletion of a tree structure node, etc.





### **General Setup**

#### 3.2.2.1 PDM Name

🐔 Wel	b Page Dialog		8	×
	Enter	a new Server name	:	
🖌 ок	💌 Abort	Ø Help		
Name:	PDM1			

Station name generated under novaPro Open (see 1.3.1).

🔁 New 🗅 🗙 🗔 🍤	🎾 🕜 Help	)
	Server:	PDM1
	Description:	Process Data Manager 1

#### 3.2.2.2 VPI

🚡 New 🗅 🗙 🕞 🎾 🤣 🔞 Help				
⊡∰ PDM1 I,∰ novaNet 1	Parent: I			

Bus configuration (VPI or driver number) with suitable tags for communication with the AS's. The VPI number corresponds to the pilot line generated under novaPro Open in the "Communications drivers" window. The communications tags are to be edited automatically.

The tag names must correspond with variables generated in novaPro Open (see 1.3.2).



#### novaPro open "Communication drivers" dialogue:

Kommunikations	treiber		<u></u>
🎲 Die folge	enden Kommun	ikationstreiber sind in der Anw	endung definiert
Logischer Name	Gerät	Name	Parameter
EY3600_1 EY2400_DL2 MSH	COM4 COM6 Non Serial	Sauter AS 3600-S36 Sauter SST 2400-S24 Multishape	Lesen/SchreibenAußerh, Bloc Lesen/SchreibenAußerh, Bloc Lesen/SchreibenAußerh, Bloc
•			<b>&gt;</b>
Zufügen	Entfernen	Eigenschaften	
		[	Schließen Hilfe

### 3.2.2.3 AS (EY3600 controller)

The AS number, with its name and designation:

🛣 New 🗋 🗙 🖃 🥩 🥩 🐵 Help				
⊡-∰ PDM1 ≟-∰ novaNet 1 ≟∰ <u>AS 1</u>	Parent: MovaNet 1 AS name: AS 1 Description: AS Heating system 1 Number: 1			

### 3.2.2.4 Physical address (Tag)

🔽 New 🗋 🗙 🕞 🧐 🏂 🎯 Help	
■ PDM1	Parent:       Image: AS 1         House       address:         address:       B06_S220_HE1_034COBO1CP         Description:       Circulation pump boiler 1         MFA:       34         HDB:       Image: Additional function:         Mtype:       BM_DO         Base function:       Additional function:         Pos 0:       Off         Pos 1:       On         Pos 2:       Image: Additional function:         Pos 3:       Image: Additional function:         Pos 5:       Image: Additional function:         Pos 5:       Image: Additional function:         Pos 7:       Image: Additional function:

3





#### **General Setup**

#### **Parameters:**

- Physical address with its description
- AMF number
- HDB option: This option must be ticked if the "Periodical HDB" function is requested and if the AS is set up in consequence of this.
- Option Additional fct.: This option must be ticked if the function "Periodical HDB of additional function" is requested and if the AS is set up in consequence of this.
- Type of tag
- The levels (command order) utilised for this command tag must be edited with a mnemotechnic notation text.

# **Comment:** In order to have optimal operation, uniqueness of elements such as: The PDM name, VPI and AS numbers and the name of the physical address is imperative.



**Time programmes Setup** 



# 4 Time programmes Setup

Three setup possibilities exist:

- By group of addresses for command and instruction orders
- Individually by address, for command and instruction orders
- Individually by address, for HDB entries (Historical DataBase)

# 4.1 Time programme sets

In this window, all tags with a time schedule are visualised in a list with definitions such as, the name and the description of the physical address, the date/time of transmission, the date/time of the last modification and the name of the user who performed the operation, as well as the group name.

Dbjects	🤜 🚳 💿 Help						
B I Project	Name	Description	Send on	Send by	Saved on	Saved by	Group
Time programmes	B06_EC04_Bur415_SP_Temp	Set point office 415		Sauter	26.05.2005 15:57:43	a	Offices flo
Time programme sets	B06_EC04_OFF410_JAL	Jalousie office 410		Sauter	19.04.2005 11:28:58	a	Offices flo
U Standard *	B06_EC04_OFF410_SP_Temp	Set point office 410		Sauter	19.04.2005 11:28:58	a	Offices flo
	B06_EC04_OFF411_JAL	Jalousie office 411		Sauter	06.04.2005 11:07:52	а	
	B06_EC04_OFF411_SP_Temp	Set point office 411		Sauter	17.05.2005 15:40:31	a	Offices flo
= - Selenders	B06_EC04_OFF415_JAL	Jalousie Office 415		Sauter	06.04.2005 11:07:52	a	
Configuration	B06_S220_HE_023SPB01VA	Valve Boiler 1	07.04.2005 17:15:25	a	01.04.2005 17:42:37	a	
Connigaration	B06_S220_HE1_034COB01CF	Circulation pump boiler 1	07.04.2005 17:16:02	a	17.05.2005 15:40:32	a	Offices flo
	B06_S220_LI1_038CO	Lighting corridor 1		Sauter	26.05.2005 15:57:44	a	Offices flo
	B06_S220_VEN1_000CMD	Command ventilation 04	11.05.2005 09:47:40	a	19.04.2005 11:28:58	a	Offices flo
	B06_S220_VEN2_033CMD	Command ventilation 01		Sauter	26.05.2005 15:57:43	a	Offices flo
	B06_S220_VEN2_034CMD	Command ventilation 02		Sauter	26.05.2005 15:57:44	a	Offices flo
	B06_S220_VEN2_035CMD	Command ventilation 03		Sauter	26.05.2005 15:57:44	a	Offices flo

With the button 🥞 (Send to AS) a selection dialogue is displayed that allows selecting the AS and transmitting all time schedules related to this AS that are contained in the server database.

🥙 Wet	o Page Dialog		a ×
1	Please selec	t the station(s) to	send to
🖌 ок	💌 Abort	🕡 Help	
IRC410 IRC411 IRC415 AS 2 AS 1			





# 4.2 Address groups

This function allows creating an infinite number of groups (tasks), states and actions in a user-friendly way that is both efficient and economic.

A state is a relationship between what must be done (action) and an instant (time schedule)

An action is a basic task such as allocation of a value to an address or execution of a command order.

## 4.2.1 Symbols used

The symbol bar automatically adapts in function of the task.



Symbols:

- Save Any new setup or modification is stored at server level.
  - Cancel Cancels all operations performed since the last backup.
- **Read** Allows reading time schedules in the AS.
- Write Allows transmitting time schedules to the AS.
- Export Exports data in a txt, CSV or XML format
- New Adds a new line that allows setting up a new schedule step.
- **Delete lines ...** Deletes selected lines but deletion is only definitive after saving.
- Delete data Deletes the contents of the window in the server. Data that is deleted by this method can no longer be recuperated by the "Cancel" action.
- Copy to ....
   Copies selected lines in the list
- Paste from clipboard Adds the contents of the clipboard to the list





### 4.2.2 Setup of a new group



Select "Group" and click on it with the right mouse button

🐔 -- Web Page Dialog

Bit	te geben Sie e	inen neuen Gruppenamen ein:
🛃 ок	💌 Abbrechen	<ol> <li>Hilfe</li> </ol>
Name:	I	

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×

Enter the name of the group and confirm with "OK"





### 4.2.3 Definition of addresses

Open the dialogue box with "Setup - New - Address"



There is also the possibility of making selections address by address or selecting all the addresses in an AS by marking it and moving it into the panel for selected addresses with the button



Time programmes Setup



### 4.2.4 Definition of states

Definition of states can be performed in two ways:

- Manual setup
- Recovery of the different states from the database (after reading AS's)

#### 4.2.4.1 Manual

Open dialogue with "Setup - New - States"

Dbjects	N New 🚽 🏷 🗗   🕜 Help	
<ul> <li>Image: Project</li> <li>Image: Time programmes</li> </ul>	No data available	
<ul> <li>         Ime programme sets     </li> <li>         Groups     </li> <li>         Offices floor 2 Calendar List view     </li> <li>         Group configuration     </li> <li>         Offices floor 3     </li> </ul>	<ul> <li>Web Page Dialog</li> <li>OK Abort @ Help</li> <li>Name: Occupied</li> <li>Colour: Value</li> </ul>	×
Definition of all states confirming each state individually with OK.		

#### 4.2.4.2 Automatic Recovery

- Before being able to recover different states of addresses in a group, it is necessary to take a reading of time schedules in all the AS's concerned.
- After having allocated addresses to a group, it is necessary to open the list or graphic representation of the group. This operation generates states in function of the existing time schedules in the database.
- States are shown in black in the graphic representation. The "State\_x" denomination is the name of the states in the graphic representation and in the list (see below).

		/						
Dbjects	Sta	ndard	💌 💽 New 🔒	<b>\$\$ \$</b> \$	li 🤜 🤜 🤌	🗟 🕡 Help		
🖃 💵 Project		Year	Month/Week	Day	Hour	Minute	Status	Sour
Time programmes		All	All	All	6	0	State_9	DB
🖽 💆 Time programme sets		All	All	All	18	0	State_10	DB
Groups		All	Weekly	All	8	0	State_11	DB
Offices floor 2		All	Weekly	All	18	10	State_12	DB
Uffices floor 3		All	Weekly	All	8	5	State_13	DB
Unices noor 4		All	Weekly	All	17	55	State_14	DB
Graphic		All	Weekly	All	7	50	State_15	DB
List		All	Weekly	All	18	0	State_16	DB
Group configuration								

Jahr Monat/Woche Wöchentlich Wöchentlich Wöchentlich	Tag Alle Alle Alle	Stunde 8 18 8	Minute 0 10 5	Status State_3 State_4 State_5	Quelle AS&DB AS&DB
Wöchentlich Wöchentlich Wöchentlich	Alle Alle Alle	8 18 8	0 10 5	State_3 State_4 State_5	AS&DB AS&DB
Wöchentlich Wöchentlich	Alle	18 8	10 5	State_4 State_5	AS&DB
Wöchentlich	Alle	8	5	State 5	ASSOR
					In COURS
Wöchentlich	Alle	17	55	State 6	AS&DB
Wächentlich	Alle	7	50	State 7	AS&DB
Wöchentlich	Alle	18	0	State 8	AS&DB
Alle	Alle	6	ň	State 0	ASSOB
Alla	Allo	10	0	State_10	ASSOD
	Wöchentlich Wöchentlich Alle Alle	Wöchentlich Alle Wöchentlich Alle Alle Alle Alle Alle	Wöchentlich Alle 7 Wöchentlich Alle 18 Alle Alle 6 Alle Alle 18	Wöchentlich Alle 7 50 Wöchentlich Alle 10 0 Alle 5 0 Alle Alle 18 0	Woohentlich         Alle         7         50         State_7           Wochentlich         Alle         18         0         State_8           Alle         Alle         6         0         State_9           Alle         Alle         18         0         State_10





• A verification of the different states and the definition of names and colours must be performed by double clicking on the column header.

Dbjects	1 🖪	vlew 🛃 🍤 🇗 🛛 🕖 Help						
🖃 🎫 Project		HA/Status	Description	State_0	State_1	State_10	State_11	State_12
Time programmes		B06_EC04_Bur415_SP_Temp	Set point office 415	24.00	21.00			
🗏 💯 Time programme sets		B06_S220_LI1_038CO	Lighting corridor 1	Min	Max	Min		
🗆 🖸 Groups		B06_S220_VEN2_033CMD	Command ventilation 01	St2	Auto		S1	Off
Offices floor 2		B06_S220_VEN2_034CMD	Command ventilation 02	St2	Auto			
Offices floor 3		B06_S220_VEN2_035CMD	Command ventilation 03	St2	St1			
Graphic								
List								
Group configuration								
🖃 💽 Offices floor 5								
Graphic List								
Group configuration								

### 4.2.5 Definition of actions by address and state

📴 Objects	N 1	vew 🛃 🍤 🇗 🛛 🞯 Help				
🖃 💵 Project		HA/Status	Description	Occupied	Pre-heating	Unoccupied
Time programmes		B06_EC04_OFF410_JAL	Jalousie office 410	Up	Down	Down
😬 💯 Time programme sets		B06_EC04_OFF410_SP_Temp	Set point office 410	21.00	21.00	18.00
🖾 Groups	►	B06_S220_VEN1_000CMD	Command ventilation 04	Auto 💌	S2	Off
Offices floor 2					Ì	
Offices floor 3				Off		
Graphic				S1  S2		
List				Auto		
Group configuration					1	

Before exiting, it is necessary to save the setup.

Modification of a state (text, colour) is made by double clicking on the column header. Deletion of a line or a column is performed by selecting the object and clicking on the "Delete the ....." icon.





# 4.2.6 Definition of time programmes in graphical mode

Dbjects	Standar	d .	- 🖬 🗠	X	<b>1</b> 9) (a	) O	Неір				
<ul> <li>Project</li> <li>Time programmed</li> </ul>	<b>4</b> 30 Ma <sub>3</sub>	1	We	ek 22 🛓	200	5 🗾		C	15 June 🕨	Period	Every year
- ine programmes			Mon	Tue	Wed	Thu	Fri	Sat	Sun	Waaldy	
📟 💯 Time programme sets	Repla	acement day								I WEEKIY	I.
Groups	Periodic	al (P4-8-15-30)	Every 30 min.	Status							
		00								Occupied 💌	
Offices floor 3	06	15									
😑 🚾 Offices floor 4	00	30	W30							Minutes	
Graphic		45	<u> </u>	W45						5 20 35 50	
List		15			WUU	WUU	WUU			13,20,33,30	
Group configuration	07	10	<u> </u>					R Cálar	tionnor		
🗄 🜃 Offices floor 5		45	W50	W50	W50	W50	W50 -	Ha Selet	aunner		
		00						🌝 Place	er	Don't use repla	cement
A AS/Addresses	00	15						🗙 Supp	rimer	day 🗖	
🗉 🚾 HDB	08	30						📑 Déok	acer		
🗄 🥅 Calendars		45									
		00						😰 Move			
Configuration	nα	15					L				
		30	L								
		45									
		15	<u> </u>								
	10	30	<u> </u>								
		45									
		00									
	11	15									
	T T	30									
·		45	W55	W55	W55	W55	W55				
Release: 2.0.0.0	<u>1</u> 2 <u>34</u>	All									

Before placing a state on a calendar, it is necessary to define several parameters:

Period
 Choice between an order that is unique or repetitive on a monthly or weekly basis.
 Single: This state will only be executed at the scheduled time and date
 Weekly: This state will be executed periodically every week on the scheduled time and day

**Monthly:** This state will be executed periodically every month on the scheduled time and day

- **Every Year** By ticking this option, the state will be executed independently of the year.
- State Selection of a predefined state
- **Minutes** Selection of the minute when this state must be executed in function of the quarter hour chosen. The minutes will be displayed in the "Day/quarter hour" field of the calendar.
- **Don't use replacement day:** This option is to be used if the state must be executed on replacement days scheduled in the AS calendar (see chapter 5)





As these parameters have already been set up, the state can be placed in required times and days by clicking on the necessary field.

Once it is placed, a state can be selected, moved or deleted by clicking with the right mouse button in a configured field.



- **Select** The parameters of this state are displayed in the fields described above.
- **Place** The "Day/quarter hour" can be assigned to several states and/or minutes. Multi-assignment can be performed with the "Place" command.
- **Delete** Assignment of a state can be deleted with this command.
- **Move** With this order, assignment of a state can be moved via the following dialogue box.



Days modified at the level of the AS calendar (see chapter 5) are displayed in the "**Replacement day**" line. Displayed states of modified days are those that the time schedule will execute on these days. Monthly and unique schedules are not taken into account by replacement days. Weekly time schedules of special replacement days (S1 to S8) are set up at the level of the list in the "Day" column

Standard * 🔄 🚽 🏹 🧠 🧠 🍕 🚳 💿 Help										
4 06 June Week 23 ▼ 2005 ▼ 12 June >										
	Mon	Tue	Wed	Thu	Fri	Sat	Sun			
Replacement day			Friday	Sunday	Sunday	Sunday				
Periodical (P4-8-15-30)	Every 30 min.									
00										

In the "**Special (P4-P8-P15-P30)**" line, time schedules of "Every 4 or 8 or 15 or 30 minutes" periodicity are displayed. These time schedules are set up at the level of the list in the "Minutes" column (see below).





### 4.2.7 Definition of time programmes in list mode

Dbjects	Stan	ıdard	💌 🔂 Nev	/ 🗟 🛩 🗙 🏝 i	🕫 🗋 😢	🖘 🤌 🝓। 🛛 🧕	) Help	
□ IIII Project		Year	Month/Week	Day 📥	Hour	Minute	Status	Source
Time programmes		All	All	All	All	Every 30 min.	Occupied	DB
😬 💯 Time programme sets		All	Weekly	Friday	11	55	Unoccupied	DB
Groups		All	Weekly	Friday	7	50	Occupied	DB
Offices floor 2		All	Weekly	Friday	18	5	Unoccupied	DB
Offices floor 3		All	Weekly	Friday	7	0	Pre-heating	DB
Graphic		All	Weekly	Friday	13	55	Occupied	DB
List		All	Weekly	Monday	18	20	Unoccupied	DB
Group configuration		All	Weekly	Monday	13	55	Occupied	DB
🙂 💽 Offices floor 5		All	Weekly	Monday	11	55	Unoccupied	DB
AS/Addresses		All	Weekly	Monday	7	50	Occupied	DB
HDB		All	Weekly	Monday	6	30	Pre-heating	DB
Calendars		All	Weekly	Thursday	7	0	Pre-heating	DB
Configuration		All	Weekly	Thursday	13	55	Occupied	DB
		All	Weekly	Thursday	11	55	Unoccupied	DB
		All	Weekly	Thursday	7	50	Occupied	DB

Periodicity time programmes, "Every 4 or 8 or 15 or 30 minutes" as well as time schedules of special replacement days (S1 to S8) can only be set up in list mode.

To add or modify a parameter, just click on the field and select the required parameter after having opened the selection box.

The origin of the data is displayed in the "Source" column.

- DB Time schedule only in the PC database Line in black
- Mode Set up or modified non-stored line Line in blue
- AS&DB Time schedule in the PC database and in the AS Line in magenta
- AS Time schedule only in the AS Line in red





# 4.3 Address (Tag)

In this section of the application, tags that are not part of a group can be set up. By clicking on the AS, all the time programmes (apart from those concerning the HDB) are displayed but no setups can be performed.

Greyed-out lines are time programmes of tags belonging to a group or those that do not have a defined physical address.

Dbjects	Standard	💌 🤜 🙆	) Help									
🗉 📲 Project	на	Description	MFA	Year	Month/Week	Day	Hour	Minute	Command	Status	Group	Calendar 🔺
Time programmes	VEN2_033CMD	Command ventilation 0:	133	All	Weekly	All	8	0	S1		Offices floor 5	SysCal
🗏 💯 Time programme	VEN2_033CMD	Command ventilation 0:	133	All	Weekly	All	18	10	Off		Offices floor 5	SysCal
🖽 🖪 Groups	VEN2_033CMD	Command ventilation 0:	133	All	Weekly	All	8	0	S1		Offices floor 5	SysCal
AS/Addresses	VEN2_033CMD	Command ventilation 0:	133	All	Weekly	All	18	10	Off		Offices floor 5	SysCal
B B PDM1	VEN2 034CMD	Command ventilation 0:	234	All	Weekly	All	8	5	S1		Offices floor 5	SysCal
🗎 🕅 novaNetl	VEN2 034CMD	Command ventilation 0:	234	All	Weekly	All	17	55	Off		Offices floor 5	SysCal
🗄 🕎 AS 1	VEN2 034CMD	Command ventilation 0:	234	All	Weekly	All	8	5	S1		Offices floor 5	SysCal
	VEN2 034CMD	Command ventilation 0:	234	All	Weekly	All	17	55	Off		Offices floor 5	SysCal
• 🛫 IRC41	VEN2 035CMD	Command ventilation 0:	335	All	Weekly	All	7	50	S1		Offices floor 5	SysCal
- 🛫 IRC41	VEN2 035CMD	Command ventilation 0:	335	All	Weekly	All	18	0	Off		Offices floor 5	SysCal
	VEN2 035CMD	Command ventilation 0:	335	All	Weekly	All	7	50	S1		Offices floor 5	SysCal
= _1_ IRC41	VEN2 035CMD	Command ventilation 0:	335	All	Weekly	All	18	0	Off		Offices floor 5	SysCal
Colordara	LI1 038CO	Lighting corridor 1	38	All	All	All	6	0	Max		Offices floor 5	SysCal
Configuration	LI1 038CO	Lighting corridor 1	38	All	All	All	18	0	Min		Offices floor 5	SysCal
Configuration	LI1 038CO	Lighting corridor 1	38	All	All	All	6	0	Max		Offices floor 5	SysCal
	LI1 038CO	Lighting corridor 1	38	All	All	All	18	0	Min		Offices floor 5	SysCal
	VEN1 000CMD	Command ventilation 04	139	All	Weekly	Monday	6	30	S2		Offices floor 4	SysCal
	VEN1 000CMD	Command ventilation 04	139	All	Weekly	Tuesday	6	45	S2		Offices floor 4	SysCal
	VEN1_000CMD	Command ventilation 04	139	All	Weekly	Wednesday	7	0	S2		Offices floor 4	SysCal
	VEN1_000CMD	Command ventilation 04	139	All	Weekly	Thursday	7	0	S2		Offices floor 4	SysCal
···· • ···	VEN1_000CMD	Command ventilation 04	139	All	Weekly	Friday	7	0	S2		Offices floor 4	SysCal
5- Log off	VEN1 000CMD	Command ventilation 0-	139	All	Weekly	Monday	7	50	Auto		Offices floor 4	SysCal
	VEN1 000CMD	Command ventilation 04	139	All	Weekly	Tuesday	7	50	Auto		Offices floor 4	SysCal =
Release: 2.0.0.0	•				,	,	1	1	1			

Setup and visualisation of time programmes of a tag:

Dbjects	Sta	ndarc	I	- 4	) 🤜 🤣	<u>67</u> 1	🕜 Help					
□ = Project		MFA	Year	Month/Week	Day	Hour	Minute	Command	Status	Group	Calendars	Sou
Time programmes		39	All	Weekly	Monday	6	30	S2	Pre-heating	Offices floor 4	SysCal	DB
😬 📂 Time programme sets		39	All	Weekly	Tuesday	6	45	S2	Pre-heating	Offices floor 4	SysCal	DB
🗄 🍱 Groups		39	All	Weekly	Wednesday	7	0	S2	Pre-heating	Offices floor 4	SysCal	DB
AS/Addresses		39	All	Weekly	Thursday	7	0	S2	Pre-heating	Offices floor 4	SysCal	DB
PDM1		39	All	Weekly	Friday	7	0	S2	Pre-heating	Offices floor 4	SysCal	DB
🖼 🕅 novaNet1		39	All	Weekly	Monday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
™ 🛫 AS1		39	All	Weekly	Tuesday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
□ = = AS 2		39	All	Weekly	Wednesday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
A B06 S220 VEN1 000CMD		39	All	Weekly	Thursday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
A B06_S220_VEN2_033CMD		39	All	Weekly	Friday	7	50	Auto	Occupied	Offices floor 4	SysCal	DB
▲ B06_S220_VEN2_034CMD		39	All	Weekly	Monday	11	55	Off	Unoccupied	Offices floor 4	SysCal	DB
BU6_S22U_VEN2_U33CMD		39	AЦ	Weekhr	Tuesday	11	55	Off	Unoccunied	Offices floor 4	SvsCal	DB

To add a new time programme (or a new item to a programme), just click on the "**New**" icon

To add or modify a parameter, just click on the field and select the required parameter after having opened the selection box.

The origin of the data is displayed in the "Source" column.

- DB Time schedule only in the PC database Line in black
- Mode Set up or modified non-stored line
   Line in blue



#### Time programmes Setup



- AS&DB Time schedule in the PC database and in the AS Line in magenta
- AS Time schedule only in the AS Line in red

The name of the calendar assigned to this AS is displayed in the "Calendar" column. Membership of a group is displayed in the "State" and "Group" columns.

🐻 New 🚽 🍤	🗙 🕅 📾 📾 🗞	
		Export Send to AS Read AS
		Delete selected lines/columns
		Delete data in the server
		Cancel
		Save
		New

Symbols:

- Save Any new setup or modification is stored at server level.
  - **Cancel** Cancels all operations performed since the last recording.
- **Read** Allows reading time schedules in the AS.
- Write Allows transmitting time schedules to the AS.
- Export Exports data in a txt, CSV or XML format
- New Adds a new line that allows setting up a new schedule step.
- **Delete lines ...** Deletes selected lines but deletion is only definitive after saving.
- Delete data Deletes the contents of the window in the server. Data that is deleted by this method can no longer be recuperated by the "Cancel" action





**Time programmes Setup** 

# 4.4 HDB (Historical database)

In this section of the application, variables that have been configured as HDB (see 3.3.3.4) can be set up.

Generally, periodical time programmes are used for this application.

By clicking on the AS, all of the HDB time schedules are displayed and setup is performed at this level.



By clicking on "New", a window allowing selection of the HDB adress opens. To add or modify a parameter, just click on the field and select the required parameter after having opened the selection box.

The "Minutes" can be replaced by one of the following periodicities:

- P4 Every 4 minutes or 15 times per hour (0, 4, 8, 12, ..., 56)
- **P8** Every 7/8 minutes or 8 times per hour (3, 11, 19, 27, 33, 41, 49, 57)
- **P15** Every 15 minutes or 4 times per hour (0, 15, 30, 45)
- **P30** Every 30 minutes or 2 times per hour (0, 30,)



Calendar

# 5 Calendar

The AS calendar is used as a base for time programmes that are resident in local automation stations. It must be transmitted to AS's after having performed its setup. The calendar is then stored in the AS's and in the ZP3600Web server. This guarantees correct execution of AS time programmes, independently of the operating status of the supervisor. By default, the system calendar (SysCal) is assigned to all AS's that do not have a specific calendar.

Using the application for calendar configuration, it is possible to assign replacement days to certain dates. For example, assigning the day, "Sunday" as a replacement day for non-working day 25<sup>th</sup> December. All weekly time programmes will then carry 25<sup>th</sup> December, like a Sunday, independently from the real day of the week.

In addition to standard days of the week (from Monday to Sunday) eight special days can be assigned in the same way as standard days. In this way, exceptional days can be set up in weekly time programmes by using special days.

# 5.1 New calendar

Dbjects	2 <b>1</b> 9 1 🧠 🕾	🗟 🕜 Help
Image Project	4	
Time programmes	Mo	Tu
Balends New Byst-ar Configuration	30	31

By clicking (right mouse button), on "New" a window for creation of a new calendar opens. Enter the name and confirm with OK.



🐑 Wel	b Page Dialog		8	×
	Please en	ter a new calendar	name:	
🖌 ок	💌 Abort	🕖 Help		
Name:	Buildin	g EY		



35





Calendar

# 5.2 Assignment of a replacement day

A replacement day can be assigned to each day of the year. Select the replacement day in the "**As**" window and position this day by clicking (right mouse button) in the required dates.

🧾 Objects	2 <b>1</b> 91 🧠 🧠	🐴  🛛 💿 Hel	lp						
Project	June 🔽 2005 🗹 🔸								
III Time programmes	Mo	Tu	We	Th	Fr	Sa	Su	as S1 💌	
	30	31	1	2	З	4	5	Monday Tuesday Wednesday	
AS assignment 🗄 🎯 Configuration	6	7	8 Friday	9 Sunday	10 Sunday	11 Sunday	12	Friday Saturday Sunday S1	
	13	14	15	16	17	18	19	52 53 ▼	
	20	21	22	23	24	25	26		
	27	28	29	30	1	2	3		
Release: 2.0.0.0	4	5	6	7	8	9	10		

### 5.2.1 List of replacement days

The replacement days of the calendar are displayed in the list. No action is possible from the list but the colour of the lines and the "Source" column give the status of each replacement day.

Dbjects	-	🚳 🕡 Help		
🖃 💵 Project		Date	Replacement day	Source
💾 👿 Time programmes		08.06.2005	Fri	DB
🖃 🛄 Calendars		09.06.2005	Sun	DB
💾 🋄 Building EY		10.06.2005	Sun	DB
SysCal Definitions		11.06.2005	Sun	DB
List		01.07.2005	S1	DB
AS assignment		-	•	
🖽  Configuration				

- DB Replacement day only in the PC database
   Line in black
- AS&DB Time schedule in the PC database and in the AS Line in magenta



Calendar



# 5.3 Deletion of a replacement day

A replacement day can be deleted by selecting the empty line (first line) in the "**As**" window and clicking (right mouse button) on the dates to delete.

;	•
	×
	Monday
	Tuesday
	Wednesday
	Thursday
	Friday
	Saturday
	Sunday
	S1
	S2
	S3 🔹

# 5.4 AS / Calendar Assignment

An AS is always assigned to a calendar. By default, the system calendar (SysCal) is assigned to all AS's.







Calendar

# 5.5 Reading the calendar of an AS

By clicking on the "Read AS" icon, a selection window opens.

39 <mark>8</mark> 8	🚳   🕜 Hel	P	
4		June	a) Web Page Dialog
Mo	Tu	We	Places calest the station to yead from
30	31	1	AS 1 IRC410 IRC411
6	7	8	IRC414 IRC415

**Comment:** Only one AS (preferably the AS used as a reference) can be selected for reading.

If the AS calendar is different to the calendar of the server database, a confirmation dialogue box is displayed.



5



Calendar



# 5.6 Transmitting a calendar

By clicking on the "Send to AS" icon, calendar transmission is performed. This may be either to all AS's assigned to this calendar, by confirming with OK or to selected AS's by clicking on "Cancel". At the end of the transmission, a window with the transmission status of AS's is temporarily displayed.

🚽 🍤 i 🧠 🧠	🚳  🕜 Hel	p	街 Web Page Dialog 🔠 🗴				
4		June	Please select the station(s) to send to				
Mo	Tu We Th			AS 1			
30	31	1	2	IRC410 IRC411 IRC414 IRC414 IRC415 IRC415 IRC415 IRC415 IRC410 IRC410 IRC410 IRC411 IRC411 IRC414 IRC414 IRC414 IRC414 IRC414 IRC414 IRC414 IRC414 IRC414 IRC415 IRC415 IRC415 IRC415 IRC416 IRC416 IRC416 IRC416 IRC417 IRC7 IRC7 IRC7 IRC7 IRC7 IRC7 IRC7 IRC			
6	Microsoft Ir	nternet Explo	<u>카 ×</u>	Sending completed.			
	с 🧳 se ок	end calendar to all	AS 1: OK				





Calendar



Calling from a novaPro Open Image



# 6 Calling from a novaPro Open Image

It is also possible to open a ZP24 Web page directly from an image. To do this, just define a trigger object with the "Fast Action" and "GoToURL" functions:

ZP	3600 Offic	es 4							
	Trigger Obje	ct Definition							
	Station: Tag: _ Input Method			<b>•</b>					
	Data Entry	Action	Smooth >Fast Ad	ction					
	Buttons.	Buttons.  List of available Fast Actions							
		Name	Description	D A	T W	T. 🔺			
	Set Maci	🖗 CloseActiveImage	Close current image	+ +	+ -	•			
		🖗 CloseChart	Close chart	+ +	+ -	•			
	<u> </u>	刷 CloseEventSummary	Close event summary	+ +	+ -	•			
		양 Closelmage 중 Cotol IDI	Close image	+ +	+ -	•			
		אָר מסוסטחב איז LoadAnnEile	Open ond Open event summaru	+ +	+ +				
		V LoadHtmlPage	Open HTML page	+ +	+ +				
		8			· .				
			Define trigger			8	×		
		UK	Define URL:						
	_		http://localhost/Z	ZP3600/TpG	i.aspx?id=2	466a475-3	38		
			🔲 Load in the sa	me window (	Web only)				
				OK		Cancel			

The defined URL can be exported from the ZP3600 Web application by clicking on the "Export URL" icon <sup>(4)</sup>.

Apart from those in the configuration, all the pages can therefore be called from the novaPro Open trigger object.





Calling from a novaPro Open Image