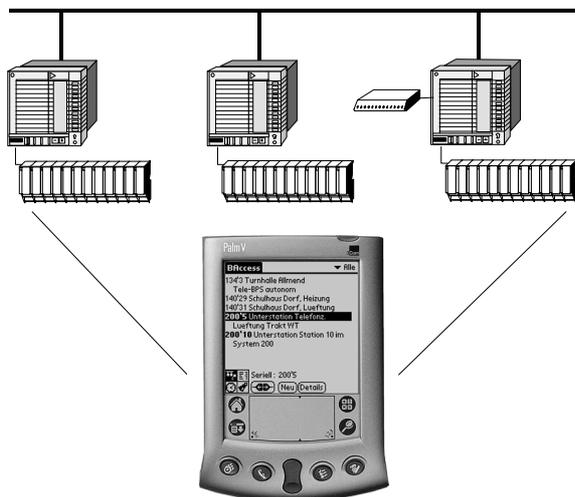# SIEMENS

User's guide

for

VISONIK BAccess

VISONIK Building Automation Access

Palm application to operate VISONIK® process stations

Table of contents

Revision history

The following changes were made compared to version 1.0 of *BAccess,* dated June 30, 2002:

Title / Topic / Section	Change	Page
"Favorites" view	New section	37 .. 43
Communication variants	Linked system	8
Telephony connection	Infrared or Bluetooth as an option	18
Registering *BAccess*	Duration of demo operation, function	19
Viewing and changing details	Password no longer visible	25
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Structure of the "Data Points" view	"Favorites" category dismissed. New: "Favorites" button.	32
The parameter list	New: "Favorites" button.	35
Synchronizing	Additional explanations	55 / 56
Structure of the "Alarms" view	Alarm background, time	58

Document version

This document version dated November 15, 2002 describes *BAccess,* version 1.10.

Chapter 1   Before you start

Chapter overview

Introduction

This chapter contains information on:

- The purpose of this user's guide.
- The key features of *BAccess.*
- Important safety information.

Topics in this chapter

Go to the following pages to find information on the individual topics of this chapter:

Target audience and purpose of this user's guide

Target audience

This user's guide targets the following audience:

- Operators of VISONIK systems (BPS process stations).
- VISONIK service technicians working for SBT, Building Automation.

Assumptions

We assume that you are familiar with the following:

- General operation of a Palm (see manufacturer's manual).
- Computing knowledge related to the Palm.
- Specific, technical know-how on the plants to be operated.
- Data point operation in VISONIK BPS.
- Operation of timeswitch catalogs in VISONIK BPS.

Purpose of this user's guide

This user's guide serves the following purposes:

- It helps the target audience operate VISONIK BPS process stations using *BAccess,* and in particular:
  Data points, alarms, timeswitch programs
  via direct connection as well as via remote connection (telephony).
- Self-study, introduction to the product, and reference.

Version

This user's guide describes version 1.10 of *BAccess.*

Notice on use

Users who fulfill the above assumptions can use *BAccess* largely intuitively. However, we recommend that you still read the following chapter to obtain maximum safety and security and achieve a successful start:

- Chapter 1 "Before you start" (this chapter).
- Chapter 2 "Installation and connection".

The table of contents, the chapter overview, and the index help you locate information immediately, and provide information on further functionality and operating steps.

Further documentation

Depending on your knowledge, the following documents may help:

- Palm manual.
- VISONIK BPS user's guide.
- Palm modem manual (or manual on external modem).

Overview of *BAccess*

What is *BAccess*?

BAccess is an attractive and compact solution to operate technical installations in a building by using a Palm or Palm-compatible organizer such as a PDA (personal digital assistant).

Special features

Special features of *BAccess* are:

- Comfortable, mobile operation on site.
- Fast and easy operation of VISONIK BPS process stations.
- Special operation of the timeswitch catalogs with simulated preview.
- Operation of different systems within the designated area, from one location, on site or via telephony.
- Largely independent software including dialog box customization such as for online/offline operation, detecting of process stations, etc..

Operation and navigation

The following diagram shows the operating scope of *BAccess* with the main windows and navigation.
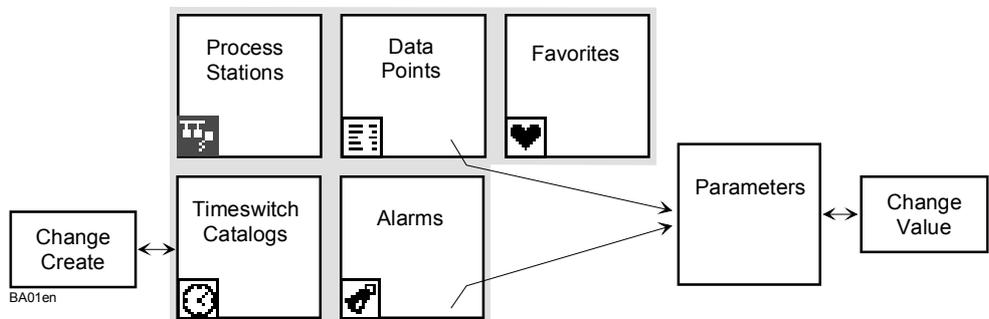
Explanations (illustration)

BAccess offers five different views. You can switch views by selecting the associated buttons. The "Data Points" and "Alarms" views provide access to the parameter list.

Short description of the functions and operating options:

View	Functions and operating options
Process Stations	Administer process station data in *BAccess*. Select a process station and open a connection. Load process stations:
Data Points	View main values of the data points. Group data points by plants, point types, or by user. Change values via the parameter list.
Favorites	View and edit data point and parameter favorites.
Timeswitch catalogs	View and edit timeswitch catalogs. Change the operating time. Edit the special day catalog, weekday and exception day programs.
Alarms	View, find, and update alarms. Change values via the parameter list.

For a detailed description, refer to the chapters describing the individual views.

Siemens Building Technologies
Building Automation

BAccess
Before you start

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Communication variants

Introduction

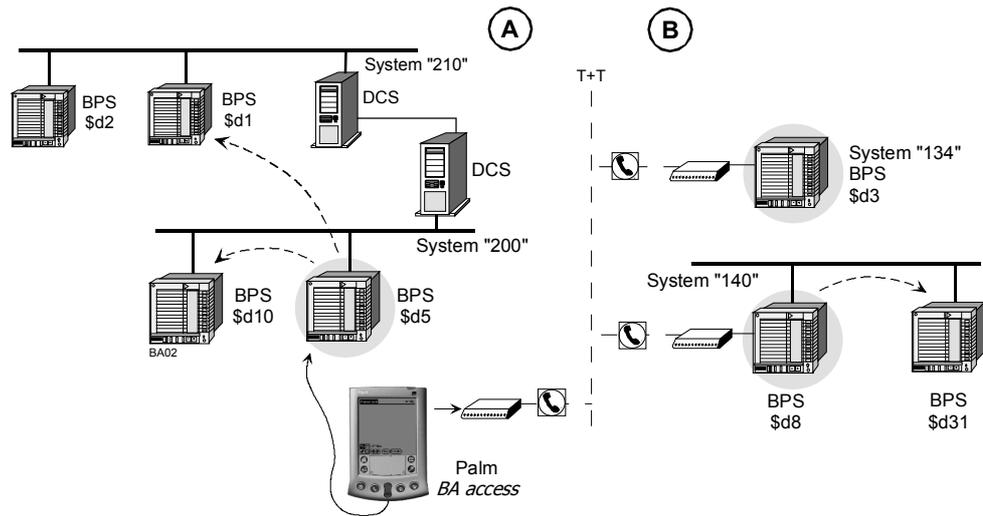The two basic methods for communication in *BAccess* are:

- Serial.   (A)
- Telephony. (B)

Furthermore, we distinguish between the following connection:

- To process stations that can be reached directly.   ——>
- To process stations that can be reached indirectly.   ------>

Illustration

The illustration below shows the different cases:

Explanations (illustration)

The communication variants are:

Variant	Explanation
A	Serial: – Local connection to a process station (BPS 200'5) on the building level network (SDLC ring, autonomous or with higher DCS). – Further connection from the direct-connected process station (BPS 200'5) to another station on the same ring (BPS 200'10) BPS 200'10) or for a linked system (BPS 210'1). *BAccess* uses DUS in the background based on the address.
B	Telephony: – Modem connection to an autonomous process station or tele-PS (BPS 134'3). – Modem connection to a process station (BPS 140'8) on a separate ring. – Further connection from the BPS to a partner station on the same ring (BPS 140'31) via DUS. *BAccess* uses DUS in the background based on the address.

Definition of direct and indirect connections

Definitions:

- Direct connections (grayed) are between the Palm and the respective process station, locally via a serial cable or telephony.
- Indirect connections are DUS connections via a direct-connected process station (local or telephony) to a partner station on the same ring.

General features of the user interface

Introduction

The general features of the user interface in *BAccess* are:

- Orientation help: Where am I?
- Categories
- Progress indicator
- Find

Basic view

The following diagram shows the basic view of *BAccess*, i.e., the Process Station view, as it appears, for example, after selecting an item from the application window:

BA03en

Orientation help

The orientation help tells you where you are in *BAccess* at any given time, and what kind of information is displayed:

Element	Explanation
A	Title for the window contents displayed. Shown: *BAccess* = Start window / top hierarchy.
B	Display of the active view. Shown: "Process Stations" view. The different views also contain buttons to change to another view.
C	Active communication. Shown: Serial (direct) communication to process station 254'5.
D	You have selected this process station.
E	The address for the process station that can be reached from 254'5 via DUS is displayed in bold letters.

Categories

BAccess extensively uses categories to structure information. Shown above: Category "All".

Progress indicator

The progress indicator shows the progress when loading a process station in *BAccess*, e.g. for the texts:

BA04en

The progress indicator appears at the bottom of the view above the buttons.

⚠️ *Caution*

Do not try to carry out further operations while the progress indicator is active: During this time, *BAccess* does not execute any commands. Instead, the commands are saved and executed in part afterwards!

General features of the user interface, *cont.*

Find

Field to search for text within the active list (the view normally only shows a small part of the respective list):

BA05en

The Find function goes from one entry to the next and highlights the entry.

Safety notes

Intended use

BAccess helps diagnose and operate technical plants in buildings via VISONIK process stations.

⚠ **Operational hazards**

If used as intended, *BAccess*, the process stations, and any devices connected do not represent operational hazards.

However, residual risk may exist in technical and mechanical installations in buildings if information on properly changing limit values, etc. is not observed as specified by the plant documentation, and if at the same time, the safety equipment is not installed or is ineffective in the building. For this reason:

- Observe all information specified in the plant documentation.
- Only carry out operator tasks whose consequences you know.

Devices and/or plant parts installed in the building may represent other additional hazards. Refer to your plant documentation or the respective manufacturer's information.

⚠ **Caution**

Users having access rights KEY2 and KEY3 can irreparably change or delete process station data!

⚠ **General safety notes**

Observe not only the above safety notes but also all local safety regulations such as general regulations on workplace safety for work on panels.

Disregarding safety notes or regulations may result in physical injury or property damage.

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Chapter 2   Installation and connection

Chapter overview

Introduction

This chapter contains information on the following topics:

- Installing *BAccess* on your Palm.
- Customizing connection settings to communicate with VISONIK process stations.
- Establishing hardware connections.
- Registering *BAccess*.

Topics in this chapter

Go to the following pages to find information on the individual topics of this chapter:

Installing *BAccess*

Equipment requirements You need the following equipment to install and run *BAccess*:

- Palm or Palm-compatible PDA with:
  - Palm OS = version 3.3 (limited functionality from 3.0).
  - Serial interface (V24) and/or modem.
  - 2 MB free, available memory.
- Desktop software (HotSync) to install the application.
- Cable/modem.

Installation files You can order *BAccess* from Siemens Building Technologies AG, Building Automation. The following files are delivered for *BAccess*:

- File A: BAccess.prc (language-dependent).
- File B: ViDB_GlbTextDB.PDB (language-dependent).
- File C: ViDB_CTYPDefDB.PDB
- File D: User's guide (language-dependent).

Installation Proceed as follows to install *BAccess*:

1. Read chapters 1 and 2 of this user's guide.
2. Install the application, and run a HotSync.

Result The *BAccess* icon is displayed on the application selection of your Palm:
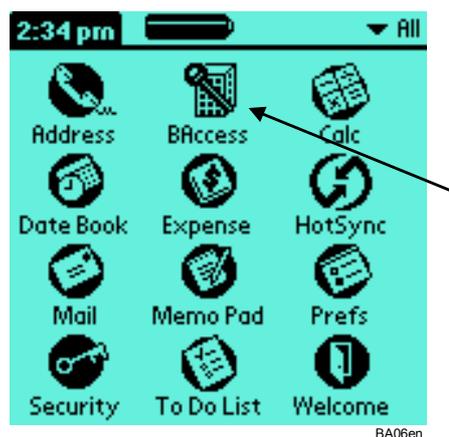
What's next? Continue with the following topics:
- "Connection settings for the Palm"
- "Direct serial connection" or "Connection for telephony".

Note ⓘ If you want to first register your product, go to the end of this chapter and read topic "Registering *BAccess*".

Connection settings for the Palm

Preconfigured communication profiles

Your Palm (from OS V3.3) contains preconfigured communication profiles for different types of connections. Access the profiles as follows:

1. In the application selection, select **Preferences**:
   → The standard **Preferences** view opens.

2. Select the **Connection** category from the drop-down list box:
   → All available configurations are displayed:

BA07en

Select the profiles from this selection and adjust to communication with the process stations using *BAccess*. We recommend that you create two separate profiles:

- **VISONIK serial**, for direct connection using a serial cable.
- **VISONIK telephony**, for connection via modem/telephony.

Follow the instructions below to set up the profiles.

VISONIK serial communication profile

Proceed as follows to create the "VISONIK serial" profile:

1. Select **New** in the **Preferences / Connection** view:
   → The **Edit** dialog box opens.

BA08en

2. Enter *VISONIK serial* in the **Name** field.
3. Select **Serial to PC** from the **Connection Method** drop-down list box:
4. Select **Details**. :
   → The **Details** dialog box opens.

BA09en

5. Select **4800 bps** from the **Speed** drop-down list box:
6. Keep **Automatic** as the setting in the drop-down list box for **Flow Ctl**.
7. Confirm the settings in the **Details** and **Edit** dialog boxes by selecting **OK**:
   → The profile is saved and the settings are now listed in the **Preferences** view.

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Connection settings for the Palm, *continued*

VISONIK Telephony communication profile

Proceed as follows to create the "VISONIK Telephony" profile:

1. Select **New** in the **Preferences / Connection** view:
   → The **Edit** dialog box opens:

BA10en

2. Enter *VISONIK Telephony* in the **Name** field.
3. Select **Serial to Modem** in the **Connection Method** drop-down list box and suitable values for **Dialing** and **Volume**.
4. Select **Details**:
   → The **Details** dialog box opens.
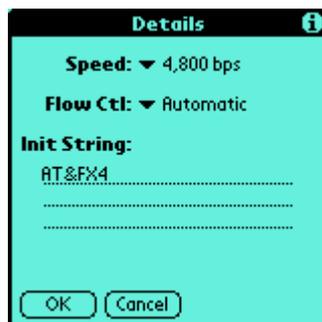
BA11en

5. Select **4800 bps** in the **Speed** drop-down list box (or according to your modem information).
6. Keep **Automatic** for **Flow Ctl**.
7. Enter command "*AT&FX4*" in the **Init String** field.
   Note: If you have problems with communication, refer to your modem manual.
8. Confirm the settings in the **Details** and **Edit** dialog boxes by selecting **OK**:
   → The profile is saved and the settings are now listed in the **Preferences** view:
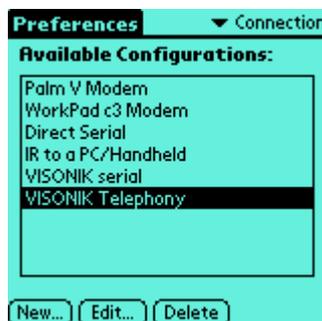
BA12en

Direct serial connection

Introduction   The following section describes how to set up a direct, serial connection (physically) between your Palm and a process station.

Connection diagram   The following illustration shows how to set up a direct, serial connection:

Material required   To set up a connection, you need:

– 1 SIEMENS tool adapter PVW2.3F.
– 1 adapter / serial cable for the Palm (HotSync cable).

Note   ⓘ   If you do not have such a cable or unable to buy such a cable, contact Siemens Building Technologies AG, Building Automation.

Setting up a connection   Set up connection as follows:

1.   Plug in the SIEMENS tool adapter in the BPS tool interface.
2.   Connect the serial interface of the Palm to the tool adapter via the serial cable/adapter.
3.   Turn on the Palm.

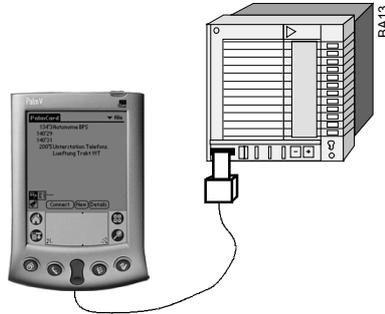For further procedures, go to chapter 3, "Process Stations view".

Telephony connection

Introduction

The following section describes how to set up a telephony connection (physically) between your Palm and a process station.

Connection diagram

The following illustration shows how to set up a telephony connection:
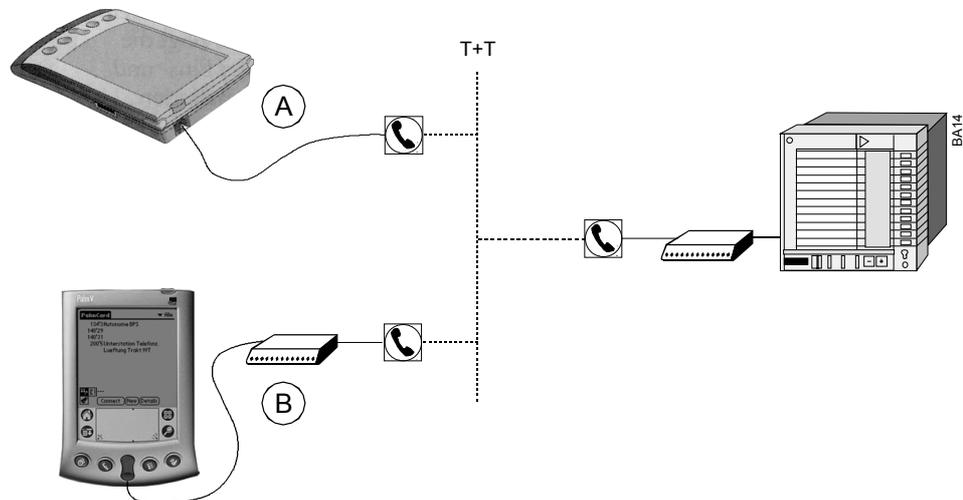
Material required

To set up a telephony connection, you need:

– One Palm modem + telephone cable (A)

or

– One external, analog modem + serial cable + telephone cable (B)

Setting up a connection

Set up connection as follows:

1. Connect the Palm modem (or external, analog modem) to the Palm.
2. Connect the modem to the telephone connection.
3. Turn on the Palm.

For further procedures, go to chapter 3, "Process Stations view".

Note ⓘ You can open a telephony connection also using infrared or Bluetooth on your cellular phone.
However, the cell phone and the Palm must be equipped accordingly and the Palm must have Palm OS V3.5.
For detailed information, read the manuals or go to the manufacturer's homepage.

Registering *BAccess*

Situation

If you have not yet registered your *BAccess* and you start your Palm from the application selection, the licensing dialog box first opens:

BA15.1en

The dialog box shows for how many more of the 28 trial days you can use *BAccess* with full functionality.

Proceed as follows:

– Either select **Close**:
   → The "Process Stations" view opens.
– Or register as described below.

Notes

You can also open the licensing dialog box if you select the "Process Stations" view, and then **Licensing Info**.
Once the trial period for demo operation expires, *BAccess* continues to work, but without communication to the process station.

Registering

Proceed as follows to register *BAccess*:

1. Write down the **Site code** (8, 8, 4-digit).
2. Send the **Site code** to the point of contact at Siemens.

You will then receive:
– one **License number** (8, 8, 4-digit), and
– one **Site key** (8, 4-digit).

3. After you receive the keys, go to the BAccess license dialog box.
4. Enter the keys as shown below.
5. Select **Register**:
   → The **Register** button disappears and **Unregister** is displayed.
   → The status bar shows the message "Successfully registered".

BA15.2en

Result

You can now use *BAccess* at any time and without restrictions.

Please note the following information on changing the Palm, firmware downloads, etc..

Registering *BAccess,* continued

Careful with certain operations

In some cases you will have to first create a return key and then reregister. Otherwise, registration is lost!

This is true if you want to do the following:

– Change the Palm.
– Carry out a hard reset.
– Change the user name for "HotSynch".
– Load a new operating system.

Before you carry out any one of the above operations, generate a **return key** in *BAccess* as described below.

Return key / new registration

Proceed as follows to create a return key:

1. Select **Unregister** in the BAccess license dialog box.
   → This creates a **Return key** (8, 4-digit).
2. Send the **Return key** to the point-of-contact at Siemens together with the **License number** and the newly generated **Site code**.
   → The point-of-contact at Siemens will then issue you another **Site key**.
3. Carry out the operation as desired.
4. Reregister *BAccess* as described above.

No return key was created!

Please note the following with regard to the return key:

– If you cannot create a return key because, for example, you have lost your Palm or it was stolen, the associate registration is lost also!
– In this case, you can carry out two emergency registrations using the same number, i.e., you can request another **Site key** twice.
– After you have used up all registrations, you must buy a new license.

Caution!

Tampering with licensing information or trying to circumvent registration is easy to track and will result in a loss of license.

This especially applies to tampering with the date during the trial period, which will terminate immediately following tampering.

Chapter 3   "Process Stations" view
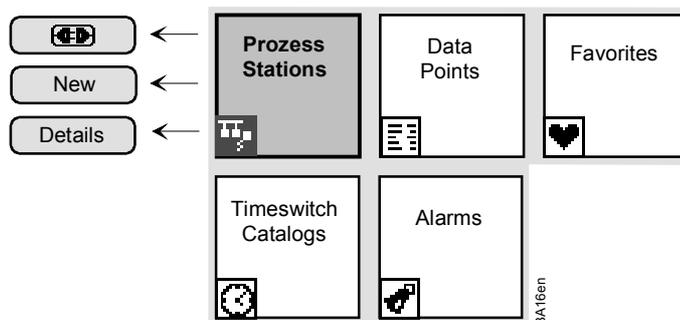
Chapter overview

Introduction

This chapter describes the "Process Stations" view. This view allows you to:

- Load the desired process station data in *BAccess*.
- Administer the data loaded.

The illustration below provides an overview of these processes:

Topics in this chapter

Go to the following pages to find information on the individual topics of this chapter:

Structure of the "Process Stations" view

Introduction

This topic describes the following:

- Structure of the "Process Stations" view.
- Available buttons.

The view

The following illustration shows a view with process stations:

BA17en

The elements

Special elements of the "Process Stations" view.

Element	Explanation/Function
Process stations entries	The entries are listed from top to bottom with ascending addresses: – Address (left): Example: **140'29** (**140** = System number, **29** = Station number). – Name (right): Example: Community Center, Heating.
Buttons ⬅▶ and ◀▶	To connect ⬅▶ and disconnect ◀▶: Display if connected ◀▶ or not ⬅▶.
Button **New**	To add a new process station to the list (and database) of *BAccess*.
Button **Details**	To view detailed information on the selected process station.

The dialog boxes on the individual buttons are described in the following topics.

Notes on the entries

ⓘ Please note the following on the entries:

- If during engineering a name is assigned to the process station, the name appears in this view and you cannot change it via **Details** (**comment**).
- If there is no name, you can assign any name (max. 80 characters) via **Details** (**comment**).
- If the system number = zero, only the station number is shown.
- If you want to know if a process station was simply added to the list, or if your data has already been loaded, go to the "Data Points" view.

Loading process stations

Introduction

When you open *BAccess* for the first time from the selection menu of the Palm, the "Process Station" view is empty:

BA18en

In order to operate a process station, you must first open a connection to it and load the operation-related configuration data. These data are: Data points, texts, timeswitch catalogs, POP cards.

Note ⓘ

To create a basis for all process stations you want to administer, we recommend that you load each process station on site via a direct, serial connection (fastest and most reliable method). For this reason, the instructions below first focus on this type of loading. Then, there will be a set of instructions for a dial-up connection (telephony).

Important

Make sure that no existing entry is highlighted in the "Process Stations" view.

Procedure for serial connection

Proceed as follows to load a direct-connected process station:

1. Select 🔄 in the "Process Stations" view:
   → The **Scan for Process Station** dialog box opens:
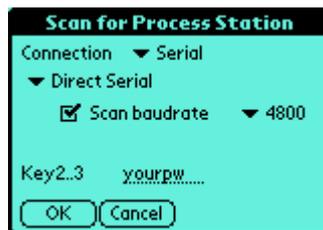
BA19en

2. Select the desired options for a **Serial** connection and baud rate **4800** from the drop-down list boxes.
   Note: If you select **Scan baud rate**, *BAccess* tries to find the matching baud rate to the partner device based on the set value.
3. Enter the *password* if required in field **Key 2..3**.
4. Select **OK**:
   → *BAccess* opens a connection and scans for the process stations.
   → After the scan is complete, the following dialog box appears with the information on the process station found (here '$d5'):
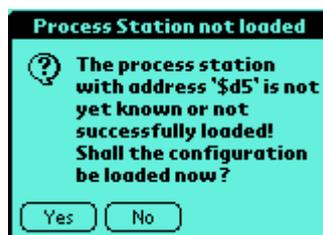
BA20en

5. Confirm the question by selecting **Yes:**
   → The operation-relevant data is loaded to *BAccess*.
   → The progress indicator informs you on the progress of the loading process.
      Note: This process may take a few minutes.

Loading process stations, *continued*

Loading results

After the download is complete, the process station is listed in the "Process Stations" view with name and address. The first line of the name is highlighted:

BA21en

The process station data is now saved to the Palm and available for operation. The connection remains open, display e.g.: "Serial: 254'5".

Note ⓘ

If an entry only shows the address of the process station, no name was assigned to the process station during engineering. You can add any name. See "Viewing and changing details" below.

Disconnecting

To disconnect, select 〔←→〕. This closes the connection and logs you off orderly (access protection).

Procedure for telephony

The procedure for telephony in principle is the same as for the serial connection. Only the **Scan for process station** dialog box is different. Proceed as follows:

1. Select 〔←→〕 in the "Process Stations" view:
   → The **Scan for Process Station** dialog box opens:

BA22en

2. Select the desired options from the drop-down list box for **Telephony** and **VISONIK Telephony**.
3. Enter the *telephone number* in the **Phone** field.
4. Enter the *System number* in the **System number** field.
5. Enter the *password* if required in field **Key 2..3**.
6. Select **OK**:
   → *BAccess* opens a connection, scans for the process station and loads it if you select **Yes** in the associated dialog box.
   → The result is the same as for the serial connection above.

System number

Contrary to the process station number, the system number must exist/be entered during detection using telephony.

Viewing and changing details

Viewing details

If you highlight an entry in the "Process Stations" view, and then select **Details**, the **Process Stations Details** dialog box opens:

BA23en

This dialog box contains all information entered for the process station selected.

Changing details

In principle, you can change any one of the previous entries. However, below is a description of only the functions not mentioned or only briefly mentioned in this chapter:

Function	Description
Category	Per default, the following is available in the Palm: **Unfiled** and **Edit Category**. – **Unfiled** is the default setting and means that the respective element is not assigned to any specific category. – Use the **Edit Category** dialog box to create your own categories and assign the process stations accordingly.
Connection	You can define 1 to 3 connections using the preconfigured communication profiles (VISONIK serial, VISONIK telephony, etc.) for each process station. The most important/common connection is **Connection 1**, as it is used as a default on connection. See chapter below.
Password	If you enter a password in the **Scan for Process Station** dialog, asterisks are displayed instead of the actual password. You can change or delete the password.
Comment	This field allows you to enter max. 80 characters of text (name of the BPS/additional designation).
Reload	This function is used if you changed the configuration of the respective process station. Select **Reload** to reload the process station: – Immediately, if during online operation. – Otherwise, select **Cancel** and connect 🔌.
Delete	Deletes the associated process station after a confirmation message.

Selecting a process station for operation

Introduction

Below is a description of the different cases to select a process station for operation. We differentiate between the following:

- Online operation: There already is a data connection.
- Offline operation: There is **no** data connection to a process station.

Online operation
⬅⬤➡

The starting point is the "Process Stations" view. We differentiate between the following:

– The process station is selected
– No process station is selected.

BA24en

The process station is selected

The three cases for selected process stations are:

Selected PS ...	Procedure to connect
can be reached directly, not yet connected (254'5)	1. Select ⬅⬤➡. → The **Connect with: 254'5** dialog box opens. 2. Select **OK**. → *BAccess* connects to 254'5, see illustration above.
can be reached indirectly, in the same system (254'10)	1. Select the desired process station. 2. Select 📋, ♥, 🕓, or 🖊. → The Connect with: 254'10 progress indicator is displayed. → *BAccess* connects to 254'10 in the background. ***Important:*** – An indirect connection is opened only if there is an existing data connection to a direct-connected partner station.. – Afterwards, the procedure can be repeated for every other process station within the same system (i.e. with the same system number). In this case, *BAccess* disconnects the indirect connection and reopens it.
can be reached directly, in another system (134'3)	1. Select the desired process station. 2. Select 📋, ♥, 🕓, or 🖊. → The existing connection is disconnected. → The **Connect with: 134'3** dialog box opens. 3. Replug the connection. 4. Select **OK**. → *BAccess* connects to 134'3.

No process station selected

If no process station is selected, the **Scan for Process Station** dialog box opens after you select ⬅⬤➡.

Continued on next page

Open connection

As soon as there is an open connection to the desired process station, the associated data points, alarms, and timeswitch catalogs can be operated by selecting the respective buttons.

When you change to one of these views, *BAccess* makes sure that the connection to the selected partner station is open and still valid.

Offline operation
⟨◻-▷⟩

The "Process Stations" view is also the starting point for operation in offline operation. To operate, the respective process station **must** be selected:

BA25en

Proceed as follows:

1. Select the desired process station.
2. Select ▤, ♥, ⊘, or ✎:
     → The selected view opens.

You can change between views without opening a connection.

Using offline operation

Use offline operation to do the following:

- View alarms (status of last update).
- Edit timeswitch catalogs.
- Structure data points by categories.
- Organize the "Favorites" view.

**Online operation and ⓘ
Economy mode**

If *BAccess* is in online operation, it suppresses the Palm's economy mode. This is done to prevent an interrupting and reestablishing e.g. a telephony connection.

Thus: If *BAccess* is in online mode, the economy mode ("Auto off") is disabled!
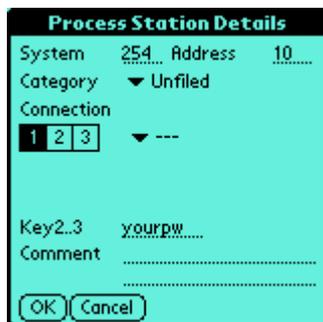
Manually adding process stations

Application

The method to manually add process stations is used to add to *BAccess* data of process stations that cannot be reached directly.

Procedure

Proceed as follows to manually add a process station:

1. Select **New** in the "Process Stations" view:
   → The **Process Stations Details** dialog box opens.

BA26en

2. Enter the *System number* and the address of the process station that is not direct-connected (e.g. 254'10).
3. Select a **Category** (or create a new one).
4. Enter the *password* if required in field **Key 2..3**.
5. Do not complete the **Comment** field (*BAccess* reads the name of the process station and enters it in the "Process Stations" view).
6. Select **OK**.

Result

The process station is listed in the "Process Stations" view, but only by its system number and address (254'10), without comment.

Loading the process station data

Manually adding the process station only added the process station in the list. In order to load its data, proceed as follows:

1. Connect the Palm to a direct connected and previously loaded partner station on the same SDLC ring (e.g. 254'5).
2. Select the station in the "Process Stations" view.
3. Select ⬅️➡️.
   → The **Connect with: 254'5** dialog box opens.
4. Select **OK**:
   → The connection is opened and confirmed: Serial: 254'5 and ⬅️➡️.
5. Select the process station 254'10.
6. Select the button to go to the "Data Points" view:
   → Following the progress indicator "Connect to Ring Station 10", the **Process Station not loaded** dialog box with the process station address ($d10) opens and asks if the process station should be loaded.
7. Select **Yes**:
   → The data of the process station is loaded to *BAccess*.
   → The progress indicator informs you on the progress of the loading process.

Note

This process requires more time, as the data is loaded via an indirect connection (DUS).

Continued on next page

Manually adding process stations, *continued*

Loading results

After successful loading the data, the "Data Points" view is displayed, and the main values of the data points are updated and displayed.
The connection remains open, the process station can be operated.

Disconnecting

Proceed as follows to disconnect:

1. Select "Process stations".
2. Select ◄▣►.

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BAccess
"Process Stations" view

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Chapter 4   "Data Points" view

Chapter overview
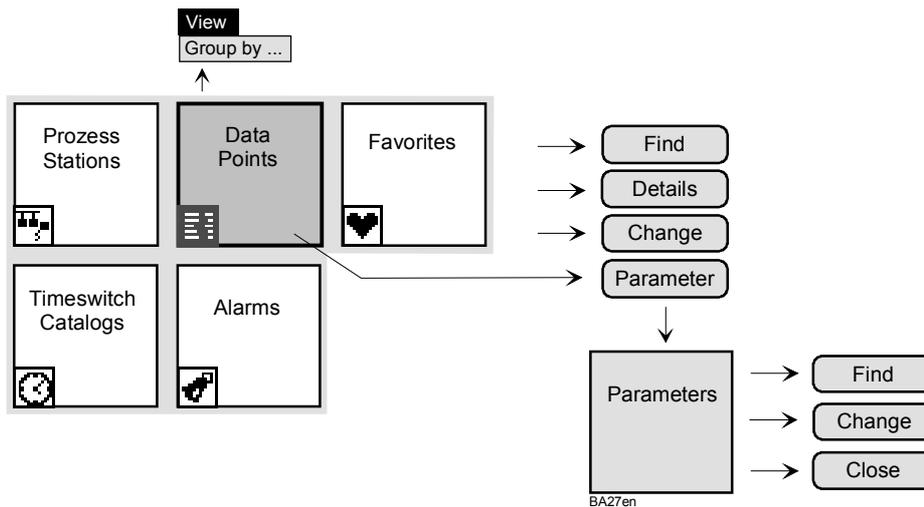
Introduction

This chapter describes the "Data Points" view. This view allows you to:

- View the main values of the data points.
- Group data points by plants or point types.
- Change parameter values.

The illustration below provides an overview of these processes:

Topics in this chapter

Go to the following pages to find information on the individual topics of this chapter:

Structure of the "Data Points" view

Introduction

This topic describes the following:

- Structure of the "Data Points" view.
- Available buttons/functions.

The view

The illustration below shows the "Data Points" view:

BA28en

Elements and functions

Special elements of the "Data Points" view:

Element	Explanation/Function
Data point entries	The entries are listed from top to bottom in ascending, alphabetical order: – Designation and address (left): Example: **ML $020**. – Associated text next to it: Example: H.W.S. Boiler – Main value of the point (right): Example: Normal. *Note:* Until the main values are updated through *BAccess*, three question marks **???** are displayed instead (online operation).
Categories	In the "Data Points" view, *BAccess* provides the special categories for the Palm standard categories. These are depending on the group selected: – Categories by point type (default). – Categories by plant. See the next topic for more information on categories.
Button **Find**	To find a particular data point / data point text.
Button **Details**	To view detailed information on the selected data point.
Button **Change**	Opens the dialog box to change the main value of the selected data point.
Button **Params**	To view the parameter list for the selected data point.
Button ♥	To insert data points in the "Favorites" view.

The dialog boxes on the individual elements are described in the following topics.

Menu item "View / Group by"

Introduction

The menu commands of the **View** menu allow for grouping the loaded data points by the following criteria:

- Plants.
- Point type.
- User-defined.

Group by Plants

Proceed as follows to group by plants:

1. Press the menu button on the Palm in the "Data Points" view (or select the menu bar):
   → The **View** menu opens:

BA29en

2. Select **Group by Plants**:
   → The progress indicator opens (Please wait..).
   → *BAccess* groups the plants and shows the categories created:

BA30en

3. Select the desired category.
   → *BAccess* lists the view accordingly.

Group by Point Type

Use the above procedure to group plants in order to group by point types. As a result, *BAccess* shows the categories created by point types.

User-defined groups

Create your own categories via the **Edit categories** dialog box and then assign the points by selecting and assigning them in the **Data Point Details** dialog box.

Notes ⓘ

Note the following before you group items:

– You can successfully group by plants only if the associated assignment was made during engineering.
– A data point can be assigned to one category only.

Dialog boxes in the "Data Points" view

Data Point Details

The **Data Point Details** dialog box allows you to assign a data point to another category. Proceed as follows:

1. Select the desired data point
2. Select **Details**:
   → The **Data Point Details** dialog box opens.
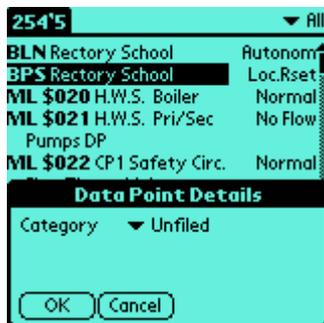
BA31en

3. Change the category in the drop-down list box and select **OK**.

Find data points

The Find function in the "Data Points" view allows you to search for any alphanumerical text within the data point list. Proceed as follows:

1. Enter the *search text* in the **Find** field.
2. Select **Find**:
   → The message "Please wait.." appears.
   → The text first found is highlighted.
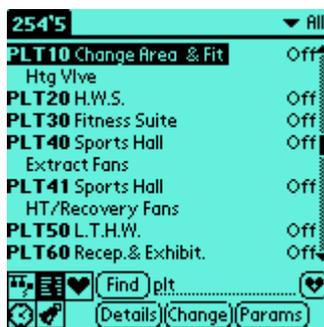
BA32en

3. Every time you select **Find**, *BAccess* looks for the next match and highlights it. The scroll bar position also shows the location in the list.

Notes   ⓘ

In addition to searching for whole words or parts of words, you can also search for excerpts such as "**ing**". *BAccess* thus finds heat**ing**, ventilat**ing**, etc.

When you select **Params**, you open the parameter list for the data point selected. See next topic.

The parameter list

Show the parameter list

Access the parameter list as follows:

1. Select the desired data point in the "Data Points" view.
2. Select **Params**.
   → The parameter list is displayed.

BA33en

Per default, the parameters are listed for the **Standard** category:

Elements and functions

The special elements of the parameter list are:

Element	Explanation/Function

Parameter entries	The entries are listed in alphabetical order:
	– Designation (left): Example: **PSTA**
	– Then the text: Example: Resultant Plant Command
	– Parameter value (right) (if online): Example: **Off**
	    Bold print means: Can be changed:
	    Normal print means: Read only.
	    ??? means: Not yet updated.

Categories	In addition to the standard categories of the Palm (All), the following VISONIK categories can be selected: – **Main param.** Main value of the data point type**. – **Compact** As per the POP card layout definition**. – **Standard** The most important params of a data point**. ** (According to POP card layout definition). – **Operation** DCS classification. – **Configuration** ditto. – **Service** ditto.
Button **Find**	To find a particular parameter / parameter text.
Button **Change**	To change parameter values.
Button **Close**	Returns to the last view.
Button ♥	To insert individual parameters in the "Favorites" view.

Changing parameter values via **Change** is described below.

Note   ⓘ   You can also open the parameter list from the "Alarms" view.

Changing parameter values

Procedure

From the "Parameter List", you can change the values printed in bold for the respective parameters.

Proceed as follows:
1. Select the parameter.
2. Select **Change**.
    → The associated dialog box opens:

BA34en

3. Enter the new value (here "1" for "**On-Man**") and select **OK**.
    → The new value is taken over and displayed in the parameter list:

BA35en

Elements and functions of the dialog box

The layout of the dialog box to change the values depends on their data type:
– Numeric without units.
– Numeric units
– Listing (e.g. Off, Auto, On-Man) (see example above)

The special elements and functions of the dialog box are:

Element	Explanation/Function
Value	Entry field for the desired value. (Numeric value or text selection field).
Min	Minimum possible entry value.
Max	Maximum possible entry value.
Error	If you try to transmit the values that the process station does not accept, the associated process station error message is displayed instead of OK.
Button **Apply**	When you select this button, the associated value is transmitted without closing the dialog box. Different values can then be checked comfortably.

Chapter 5 "Favorites" view

Chapter overview

Introduction

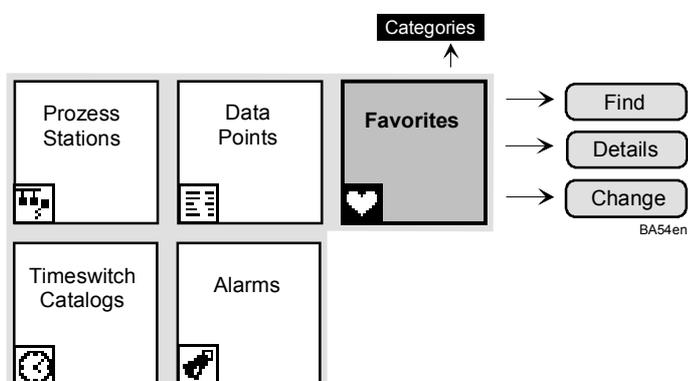This chapter describes the "Favorites" view. This view allows you to:

- Combine and organize in categories the most important data points and parameters of your plants as needed.
- Change texts as needed.
- View the combined data points and parameters and change parameter values.

As opposed to the user-defined grouping of the "Data Points" view, you can insert individual parameters and determine the order of data points and parameters in the display.

Note ⓘ

The "Favorites" view allows you to create your own electronic POP card operation, or to modify the existing one as needed.

The illustration below provides an overview of these processes:

BA54en

Topics in this chapter

Go to the following pages to find information on the individual topics of this chapter:

Structure of the "Favorites" view

Introduction

This topic describes the following:

- Structure of the "Favorites" view.
- Available buttons/functions.

The view

The following illustration shows the "Favorites" view (with connected process stations):

BA55en

Elements and functions

Special elements of the "Favorites" view:

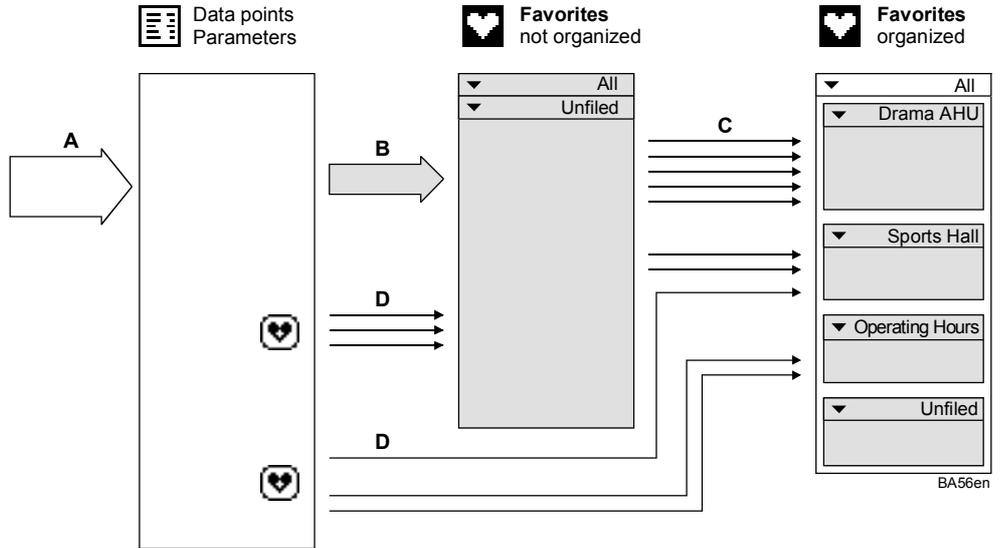| Element	Explanation/Function
Favorites entries	The entries are listed from top to bottom: – The left shows the data points Example: **PLT10.PSTA** – The right shows the corr. value Example: Off – Then the corresponding text: Example: Area &… Below and indented are the parameters and their texts and values that belong to the data point. Example: **ERSTA** Values in **bold**: Can be changed. Values in normal print: Cannot be changed. *Note:* Until the main values are updated through *BAccess*, three question marks **???** are displayed instead (online operation).
Categories	Shown above: Category "All". The advantages of the "Favorites" view become obvious especially when organized into meaningful categories; see below.
Button **Find**	Finds a particular data point or parameter and their texts.
Button **Details**	Displays and changes the details for a selected data point or parameter.
Button **Change**	Opens the dialog box to change the main value of the selected data point.
Buttons ▲ ▼	Moves up or down a selected data point or parameter by one or several positions in the view.

Notes

The "Favorites" view contains data only if the favorites were inserted previously, be it automatically by the program (if POP card information is available in the process station) or manually. Else, the view is empty.

Go to the next topic for information on how to organize and create the Favorites view via the associated buttons and dialog boxes.

Organizing favorites

Principle

The illustration shows how the favorites are organized after takeover from the Data Points view or from the parameter list to the organization in user-defined categories:

BA56en

Explanations (illustration)

The above processes and elements are:

Type/ Element	Explanation
A	The user-relevant data is loaded to *BAccess* when a process station is loaded.
Data points Parameters	The data loaded can be displayed and operated in the Data Points view and in the parameter list.
B	If project-specific POP cards exist in the respective process station, their data is added to the Favorites list when loaded (sequence as per the page number in the operating booklet, category "Unfiled").
Favorites, not organized	The data can be displayed and operated in the „Favorites" view. Category "All" is displayed per default. If no user-defined categories have been created, "All" and "Unfiled" contain the same information.
C	The favorites can be assigned to the previously created categories in the **Favorites Details** dialog box.
D	If you want to display more favorites in specific categories, or if the process station does not have POP card information, the desired favorites are retrieved from the "Data Points" view or from the parameter list.
Favorites, organized	Shows the result of an organization using user-defined categories "Drama AHU", "Sports Hall", and "Operating Hours". The illustration also shows the "All" category: It comprises the favorites for all categories as well as the user-defined categories and the categories that are unassigned in "Unfiled".

Note ⓘ The explanations on the categories apply to *BAccess* in general, as they represent a standard for Palm operation.

Organizing the "Favorites" view

Introduction

After loading a process station, the "Favorites" view may either contains a large number of data points or is empty, depending on whether or not there was POP card information.
In both cases, we recommend to create the desired categories.

Creating categories

Proceed as follows to create the desired categories for the "Favorites" view:

1. Select **Edit Category** from the drop-down list box:
    → The respective dialog box with any existing categories opens.
2. Select **New**:
    → The **Edit category name** dialog box opens.

BA57en

3. Type in the name for the new category (here: Drama AHU) and select OK:
    → The new **Drama AHU** category is now available.

Inserting favorites

Proceed as follows if the "Favorites" view is empty, or if you want to supplement it:

1. Go to the "Data Points" view or to the parameter list.
2. Select the desired data point or parameter.
3. Select 🂀.
    → The **Insert Favorite** dialog box opens:

BA58en

4. Select the **Category** from the drop-down list box (here: Drama AHU).
5. Select the **Layout** (for data points only. Here: Standard).
6. Select **OK**.
    → The favorite is appended to the selected category.

Layouts available for data points

The layouts available for data points in the "Favorites" view are:

– **Main param.**:   Main value of the data point type.
– **Compact**:   The most important parameters of a data point.**
– **Standard**:   Important parameters of a data point.**

** As per the POP card layout definition.

Viewing and changing Favorites' details

Purpose

Use the **Favorite Details** dialog box to view and change the favorites. This dialog box allows you to:

- Assign favorites to a category, or change the category assignment.
- Modify texts.
- Delete favorites.

Viewing details

Proceed as follows to view the favorites' details:

1. Go to the "Favorites" view.
2. Select the desired data point or parameter and select **Details**:
   → The **Favorite Details** dialog box opens:

BA59en

Changing details

To change the details, use the following elements in the **Favorite Details** dialog box:

Element	Explanation/Function
Category	Assigns the data point or the individual parameter to the category selected from the drop-down list box. Here: Drama AHU.
Text	Changes the text for the respective favorite as per the new entry. Example above: "Drama AHU" is changed to "Drama Rturn Temp". *Notes:* – Shortening texts is meaningful as the higher term is contained in the category name. This makes the view more transparent and more data points/parameters can be displayed. – The "Data Points" view and the parameter list still contain the original texts.
Default	Reassigns the original text of the data point or parameter to the favorite.
Delete	Deletes the data point or the single parameter from the "Favorites" view. *Note:* The data point or parameter is not really deleted, i.e., it remains available in the "Data Points" view or in the parameter list.

Notes

If a data point is assigned to or deleted from a category, all subordinate parameters are assigned or deleted also.

If you want to display a data point using a different layout in the Favorites view, you must first delete it and then reinsert it in the desired layout.

Moving favorites

Purpose and procedure

When you insert or assign favorites to a user-defined category, the resulting order is not what you wanted. You can easily change this:

1. Select the data point or parameter you want to move.
2. Select ▲ or ▼:
   → Each time you select the buttons, the data point or parameter is moved up or down.

Example

BAccess placed parameter PLT80.PSTA as shown below during insertion from the parameter list:

BA60en

You want to move the main switch to the last place in the view.
To do this, touch ▼ once.

Notes

Note the following to move favorites:
– Only complete data points are moved (incl. parameters).
– Parameters can be moved from a data point from within a data point. If you do this, *BAccess* automatically assigns the data point information (name/address) to the parameter.
  This is true even if an individual parameter from the parameter list is inserted as a favorite (see above).
– *BAccess*, however, does not allow for inserting a data point into another data point.
– A parameter can be moved back to its data point.

Order of the favorites

Note the following on the order of the favorites:
– The order of the data points and parameters in principle can be changed as needed within any given category and is saved. However:
– If you change the order in the "All" category, this may impact on other categories. The order of the favorites then is the same for all categories as in the "All" category.
– In turn, moving favorites within user-defined categories also impacts on the "All" category.
The reason for this is that there is only **one** list of favorites, i.e., the one in which all categories are defined (category "All"). The currently active category only shows the favorites assigned to this category—all others are skipped.

Summary: Organizing favorites

Assumption

You want to organize the most important data points of a process station to allow you to quickly gain an overview of and access in the "Favorites" view as shown in the following example:

BA61en

Procedure

We recommend the following procedure to organize the favorites:

1. Create the necessary categories as needed, e.g., by the following criteria:
   – Most important points by plant
   – List of all operating hours
   – List of all setpoints
   – etc.

2. If favorites already exist (added automatically by *BAccess* upon loading the process station):
   Define your favorites and assign them to a category and to a layout (layout only for data points).
   You best carry out this step in the "Unfiled" category. This allows you to easily check the favorites yet assigned.

3. If there are no favorites:
   Insert your favorites from the "Data Points" view and from the parameter list.
   Assign a category and the layout (layout only for data points).

4. Adjust the texts.

5. Delete any unused favorites.

6. Move the favorites within the categories to create the order you want to have.

Alternately

Of course, you can slowly build the "Favorites" view as needed, i.e., create and modify them as you go.

Note   ⓘ

The Palm contains all information on the "Favorites" view. They cannot be written to the process station.
The process station only contains the POP card information (if created project-specifically).

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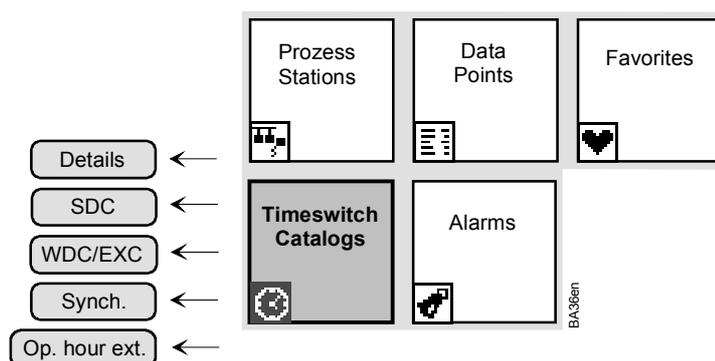# Chapter 6 "Timeswitch Catalogs" view

Chapter overview

Introduction

This chapter describes the "Timeswitch Catalogs" view. This view allows you to:

- View timeswitch catalogs.
- Find and change entries.
- Simulate timeswitch programs.
- Change the operating time.
- Synchronize timeswitch catalogs with process station.

The illustration below provides an overview of these processes:

Topics in this chapter

Go to the following pages to find information on the individual topics of this chapter:

Structure of the "Timeswitch Catalogs" view

Introduction

This topic describes the following:

- Structure of the "Timeswitch Catalogs" view.
- Available functions.

The view

The illustration below shows the "Timeswitch Catalogs" view with 10 entries:

BA37en

Elements and functions

Special elements of the "Timeswitch Catalogs" view:

Element	Explanation/Function
Timeswitch catalogs **DST..**	The entries in the timeswitch catalogs are sorted by destination in ascending order (DST1, DST2, etc.). Each entry consists of: – Designation Example: **DST10** **Bold print** means: The destination is active. – Text Example: Change Area
Button **Synch.**	Triggers timeswitch catalog synchronization between *BAccess* and the process station according to the option selected (see "Synchronization").
Button **Operating hour ext.**	Opens the dialog box to change the operating time for the selected destination (if online).
Button **Details**	Opens the "Destination Details" dialog box for the selected destination.
Button **WDC/EXC**	Opens the weekday and exception day catalog for the selected destination.
Button **SDC**	Opens the special day catalog for the process station (SDC applies to all destinations).
Date	The current date is displayed at the top right. It is set to the current value for each new selection of the "Timeswitch Catalogs" view. Functions: – When you select the arrow to the left or right of the date, you can reset it by days for simulation purposes. – When you select the date, a calendar to select the simulation date opens.

Workflow

As a rule, proceed as follows to work with the timeswitch catalogs:

1. Make the desired modifications in offline operation.
2. Synchronize with the process station.

The associated details are described in the following topics..

Viewing destination point details

Dialog box

Select **Details** in the "Timeswitch Catalogs" view to open the **Destination Details** dialog box:

BA38en

Elements and functions

The special elements and functions of this dialog box are:

Elements	Explanation/Function
Check box **Active**	When you select this check box, the destination is either activated or deactivated.
Destination address	The top right contains the full address for the destination selected (here **254'5.DST10**).
Data point	This entry shows the data point controlled by the destination (here **PLT10**), and displays the associated text.
Default values	Lists the parameters of the associated data point and the default values assigned. Here: Parameter "Local Command 1" and default value "Off". The default values become active if no weekday or exception day program entry is active.

Note ⓘ   The data point where the destination is active has a **maximum of 5 parameters**. This topic describes the assignment of default values for these parameters. The values of the weekday and exception day programs are assigned in the dialog boxes for the respective entries. See the following topics.

Changing default values

When you select the field to the right of the parameter, a dialog box opens that allows you to change the associated default value. Example: Dialog box for parameter **.LCM1** (Local Command 1) of the PLT10:

BA39en

The available default values are listed in the drop-down list box (here set to **Off**).

Special day catalog SDC

The SDC view

The following illustration shows the SDC view with four entries:

BA40en

Elements and functions

The special elements of the SDC view are:

Element	Explanation/Function
SDC entries	An entry comprises: – Date range (left). – Comment (optional). – Allocated special day (right). Date in bold print: The entry is active. Special day in bold print: The entry is active (current day or simulation date).
Button **Details**	To view and edit the selected entry.
Button **New**	To create a new entry.
Button **Close**	Returns you to the "Timeswitch Catalogs" view.

Entering a simulation date

The following illustration shows the dialog box which appears after selecting the date field in the different timeswitch program views:

BA41en

You can enter the following:
– Any date by selecting the year, month, and day.
– The current date by selecting **Today**.

Editing the SDC special day catalog

Viewing and changing details

When you select **Details** in the SDC view, the **Special Day Catalog Entry** dialog box opens:

BA42en

Elements and functions

These are the elements of the **Special Day Catalog Entry** dialog box:

Element	Description
Active	Select the check box to activate/deactivate the entry.
Comments	Optional entry. Here: Christmas.
	Note: This comment is saved to *BAccess* only (not to the BPS).
Start date	Drop-down list box for day, month, year.
	Note: Selecting "---" for the year means "every year".
End date	Drop-down list boxes (if check box is selected) with selection identical to the start date.
	The start date and the end date result in a date range.
	Note: If the check box for the end date is not selected, the day of the start date is assumed as the date range.
Behave as	Drop-down list box offering the following selection: Monday .. Sunday, SD1 .. SD7
Button **Delete**	To delete a selected entry.

Creating a new entry

Proceed as follows to create an SDC entry:

1. Select **New** in the "SDC" view:
   → The **Special Day Catalog Entry** dialog box opens.
2. Make the desired entries.
3. Confirm with **OK**.
   → The entry is listed in the SDC view.

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BAccess
"Timeswitch Catalogs" view

CM110404en
15 November 2002

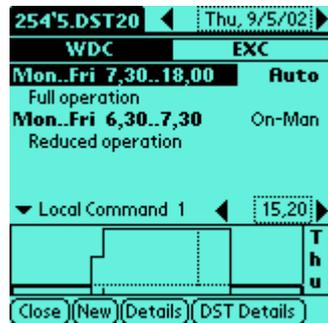# "Weekday / exception day program" view

Introduction

This topic describes the following:
- Structure of the "Weekday Program/Exception Day Program" view.
- The existing elements and functions.

The view

When you select the respective selector, the respective program and its entries are displayed. Here: **Weekday program**:

BA43en

Elements and functions

The special elements of the **WDC/EXC** view are:

Element	Explanation/Function
WDC/EXC entries	Days/date with switching times and values. – Days/date in bold print: The entry is active. – Days/date selected, value in bold print: The entry is active. Optional comment (e.g. "Reduced operation").
Parameter (Local Command)	Use to select the parameter for which you want to show a preview (here: Local Command). See previous topic.
Time field	Shows the current time. – Can be reset for simulation purposes. The preview display changes accordingly. – When you select the time field, the **Select simulation time** dialog box to set any time or "Now" opens (current time). – Updated automatically on each start of the "Timeswitch Catalogs" view.
Preview	Displays the 24 hours of the current day or the day set for simulation. See next page for a description.
Weekday indication	Indicates the active day (here: Thursday). See next page for a description.
Button **Close**	Returns you to the "Timeswitch Catalogs" view.
Button **New**	To create a new entry: WDC or EXC, depending on whether the weekday or exception day program is selected.
Button **Details**	To view and edit the selected entry.
Button **DST Details**	Opens the **Destination Details** dialog box. See previous topic.

The preview

The elements of the preview are:

| Element	Explanation
Cursor	Normally points to the current time and is active on it. Can be changed by selecting the preview. See explanations below.
Switching times	The small field at the bottom shows the active switching times by a vertical bar. Selecting these bars (entire preview is active) causes the following: – The cursor is placed to the respective location. – The time field shows the associated time. – If this location belongs to an active entry, the entry is selected on top (incl. switchover to WDC/EXC view). – If the location does not belong to an active entry, there is no selection or the previous selection is cancelled. In this case, the default value of the destination becomes active. If entries are changed, the preview is adjusted accordingly.
Illustration	Shows the values for the associated switching times: The previous illustration shows stages 1 and 2 for the entries "Reduced operation" and "Full operation". The thick line marks the time ranges for which the default value is active.

Weekday indication

For weekday indication, we differentiate between the following cases:

Situation		Explanation
Standard case	Do	The same weekday as in the date field is displayed. Font: Black on light background.
SDC active	So	The active special day is indicated and the display is reversed. The date field continues to indicate the actual calendar day.
EXC active	EXC	"EXC" is indicated and the display is reversed.

Editing WDC weekday programs

Viewing and changing details

If you select the **WDC** tab in the "WDC/EXC" view, and then select **Details**, the **Weekday Catalog Entry** dialog box opens:
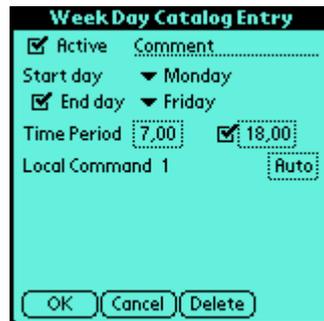
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Elements and functions

These are the elements of the **Weekday Catalog Entry** dialog box:

Element	Description
Check box **Active**	Select the check box to activate/deactivate the entry.
Comments	Optional entry. Here: Comment. *Note:* This comment is saved to *BAccess* only (not to the BPS).
Start day	Drop-down list box offering the following selection: Monday .. Sunday, SD1 .. SD7
End day	Drop-down list box (if check box is selected) with selection identical to the start day.
Time Period	Start time and end time (if check box is selected). Selecting the associated entry opens the "Select Start Time" or "Select End Time" dialog boxes.
Parameter values	The parameter values valid for the selected time period (max. 5) can be assigned. Here: Local Command 1 / Auto. If you do not select the "No value/change" check box in the dialog box, a dot "." appears in the entry field and in the WDC/EXC view.
Button **Delete**	To delete a selected entry.

Creating a new entry

Proceed as follows to create a WDC entry:

1. In the **WDC/EXC** view, select **WDC** and then **New**:
   → The **Weekday Catalog Entry** dialog box opens (as above, but without "Delete" button).
2. Make the desired entries.
3. Confirm with **OK**.
   → The entry is listed in the **WDC/EXC** view.
   → The preview is adjusted accordingly.

Editing EXC exception day programs
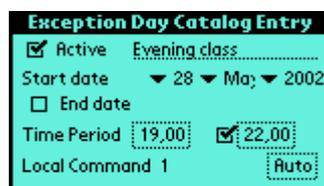
Situation

You can open the exception day programs by selecting the **EXC** tab in the **WDC/EXC** view:

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Viewing and changing details

Selecting **Details** opens the **Exception Day Catalog Entry**:

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Elements and functions

These are the elements of the **Exception Day Catalog Entry** dialog box:

Element	Description
Active	Select the check box to activate/deactivate the entry.
Comments	Optional entry. Here: Evening class.
Start date	Drop-down list box for day, month, year. Note: Selecting "---" for the year means "every year".
End date	Drop-down list boxes (if check box is selected) with selection identical to the start date.
Time Period	Start time and end time (if check box is selected). Selecting the associated entry opens the "Select Start Time" or "Select End Time" dialog boxes.
Parameter values	The parameter values valid for the selected time period (here: Local Command 1) can be assigned (here: Auto). If you select "No value/change", a dot "." appears in the entry field and in the WDC/EXC view.
Button **Delete**	To delete a selected entry.

Creating a new entry

Proceed as follows to create an EXC entry:

1. In the **WDC/EXC** view, select **EXC** and then **New**:
   → The **Exception Day Catalog Entry** dialog box opens.
2. Make the desired entries.
3. Confirm with **OK**.
   → The entry is listed in the **WDC/EXC** view.
   → The preview is adjusted accordingly.

Changing the operating time

Use the "Timeswitch Catalogs" view to change the current operating time. Proceed as follows:

1. If in offline operation: Connect to the process station and return to the "Timeswitch Catalogs" view.
2. Select the desired destination.
3. Select **Change Operating Time**.
    → The **Change Operating Time** dialog box opens.

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4. Select the **Active** check box (if not already selected).
   Note: The status of the process station is read and displayed accordingly in *BAccess*.
5. Enter the desired value to change the operating time.
6. Confirm with **OK**.
    → The current operating time is extended or shortened accordingly.

Synchronizing

Use the "Timeswitch Catalogs" view to synchronize the timeswitch catalogs between the process station and *BAccess*. Proceed as follows:

1. If in offline operation: Connect to the process station and return to the "Timeswitch Catalogs" view.
2. Select **Synch**.
    → The **Synchronize TSC** dialog box opens.

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3. Select the desired option from the drop-down list box (here "*BAccess* overrides on conflicts").
4. Confirm with **OK**.
    → *BAccess* synchronizes the catalogs and shows the progress in the progress indicator.

Synchronization options

The **Synchronize TSC** dialog box allows you to select the following options:

Option	Explanation
BAccess overrides on conflicts	If there are conflicts, timeswitch catalogs are loaded to the BPS as specified by *BAccess* (default/recommended setting).
BAccess always	The timeswitch catalogs are loaded to the BPS as specified by *BAccess*. This mode overwrites **everything** in the BPS regardless of where the changes were made.
BPS overrides on conflicts	If there are conflicts, the timeswitch catalogs are loaded to *BAccess* as specified in the BPS.
BPS always	The timeswitch catalogs are loaded generally from the BPS to *BAccess*. This mode overwrites **everything** in the *BAccess* regardless of where the changes were made.

What are synchronization conflicts?

Conflicts are generated if changes to the timeswitch catalogs since the last synchronization are made at both ends: in the BPS and in *BAccess*.

How are conflicts identified?

Conflicts are identified based on changed signatures on the SDC catalog (SDC.SIG) or the individual destinations (DSTn.SIG).
The BPS only knows that the timeswitch catalog has changed. *BAccess*, however, tracks the changes for individual WDC and EXC entries and considers this information upon synchronization.

Synchronizing, *continued*

Rules and examples

Below are the general rules for synchronization, explained based on examples.

Individual entries as well as destinations/timeswitch catalogs are considered objects.

We distinguish between the following three cases for synchronization:

- No changes to both ends.
- Changes to one end only.
- Changes to both ends.

No changes to both ends

If no changes are made to both ends, the objects are not synchronized.

Changes to one end only

If an object exists at only one end (BPS or *BAccess*), the synchronization mode determines if the object is being deleted or created at the other end.

Example:
– In the BPS, destination DST30 was newly created.
– This destination does not yet exist in *Baccess*.

The result, in dependence of the synchronization mode, is:

Synchronization mode	Result
- BPS always - BPS overrides on conflicts - *BAccess* overrides on conflicts	Destination DST30 is created also in *BAccess*.
- *BAccess* always	Destination DTS30 is deleted in the BPS.

Note: The same response can also be expected for entries in different catalogs.

Changes to both ends

If objects were changed at both ends, the synchronization mode determines which end overwrites the other.

Example:
The end time for the same weekday program was changed as follows in the BPS and in *BAccess*:
– In the BPS   to 19:00.
– In *BAccess*   to 20:00.

The result, in dependence of the synchronization mode, is:

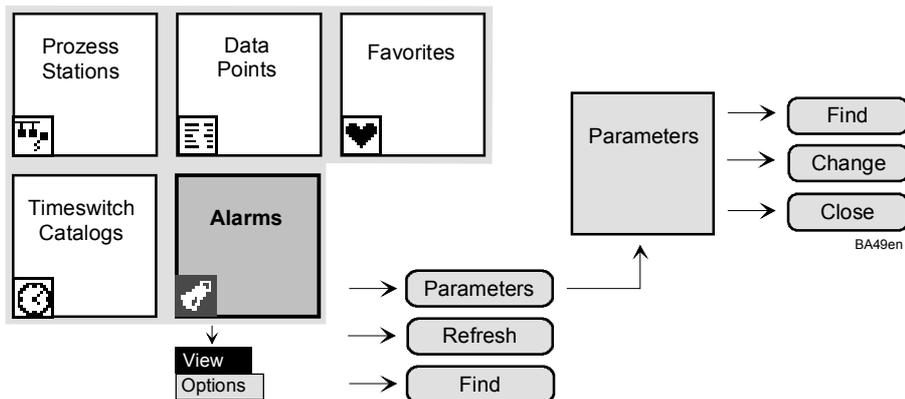| Synchronization mode	Result
- BPS always - BPS overrides on conflicts	The end time is set to 19:00 in *BAccess*.
- *BAccess* always - *BAccess* overrides on conflicts	The end time is set to 20:00 in *BAccess*.

Chapter 7 "Alarms" view

Chapter overview

Introduction

This chapter describes the "Alarms" view. This view allows you to:

- View, find, and update alarms.
- Change alarm point parameters.

The illustration below provides an overview of these processes:

Topics in this chapter

Go to the following pages to find information on the individual topics of this chapter:

Structure of the "Alarms" view

Introduction

This topic describes the following:

- Structure of the "Alarms" view.
- Available functions.

The view

When you first select the "Alarms" view, *BAccess* (if online) automatically loads the alarms in the process stations. This is done via COLBAS command ALR in the background and is simultaneously shown in the progress indicator.

After the alarms are loaded, they are listed. The illustration below represents a sample:
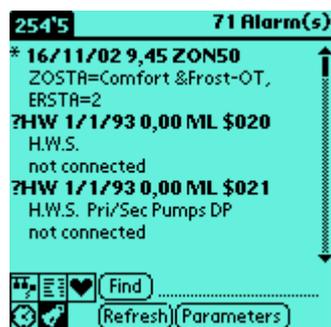
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Elements and functions

Special elements of the "Alarms" view:

Element	Explanation/Function
Number of alarms Refresh time	The top right shows the number of alarms (here: 71) of the associated process station (here 254'5). The time at which *BAccess* last read the alarms is displayed alternately with the number of alarms.
Alarm entries	Each alarm has the following information in the above example: – Alarm status (here: * and ?HW). – Alarm time (date, time). – Address of the data point. – Data point text. *Notes:* – The **View** menu offers three ways to sort the alarms. – The entries are printed in bold. – In the above example, option "Alarm state, time, address" is selected.
Menu **View**	To select the display options and enter the refresh rate; see next topic.
Button **Find**	To find a particular alarm / alarm text.
Button **Refresh**	To load the current alarm states if online.
Button **Parameters**	To view the parameter list for the selected data point.

Refer to the section below for information on the individual elements and functions.

The "View / Options" menu commands

Introduction

The **View** menu allows you to:

- Select the sort options for the "Alarms" view.
- Set the time for automatic refresh.

Selecting options for the "Alarms" view

Proceed as follows to select the options for the "Alarms" view.

1. Select the menu bar in the "Alarms" view and press the menu button on the Palm:
    → The **View** menu opens:

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2. Select **Options**.
    → The **Alarm view options** dialog box opens:

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3. Select the desired display option from the drop-down list box.
4. Enter the desired value for an automatic refresh.
5. Confirm with **OK**.
    → The display shows the sort options selected.

Explanations

The dialog box offers the following selection or entry options:

Element	Selection / Entry
Sort alarms by:	The available sort options are: – Alarm time, state, address. – Alarm state, time, address. – Data point, address.
Alarms refresh rate	After selecting this field, the **Alarm refresh rate** dialog box opens: If you close the "Alarms" view and reselect it, use this command to enter the automatic refresh rate in hours and minutes. Range: 0:00 to 23:59.

Dialog boxes in the "Alarms" view

Find alarms

The Find function in the "Alarms" view allows you to search for alarms by any alphanumerical text within the list. Proceed as follows:

1. Enter the *search text* in the **Find** field.
2. Select **Find**:
   - → The message "Please wait.." appears.
   - → The text first found is highlighted.
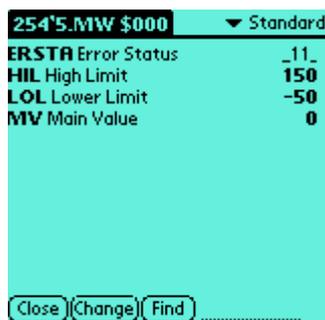3. Every time you select **Find**, *BAccess* looks for the next match and highlights it. The scroll bar position also shows the location in the list.

Notes ⓘ

In addition to searching for whole words or parts of words (Palm standard), you can also search for excerpts such as "**ing**". *BAccess* thus finds heat**ing**, ventilat**ing**, etc.

When you select **Param.**, you open the parameter list for the alarm selected. See next topic.

Viewing the parameter list

You can go directly from the "Alarms" view to the parameter list to view details on a particular alarm point. Proceed as follows:

1. Select the desired alarm point.
2. Select **Param.**.
   - → The parameter list is displayed:

254'5.MW $000	▼ Standard
ERSTA Error Status	_11_
HIL High Limit	150
LOL Lower Limit	-50
MV Main Value	0

(Close)(Change)(Find)

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For more information on the structure of the available categories of the list, refer to the "Data Points" view chapter, "Parameter list" section.

Changing parameter values

Proceed as follows to change a specific parameter:

1. Select the parameter.
2. Select **Change**.
   - → The **Change Value** dialog box opens:

Refer to chapter "Data Points" view, "Changing parameter values" section for more information on the **Change Value** dialog box.

Updating alarms

When you select **Refresh**, *BAccess* executes COLBAS command ALR in the background (online only) and reloads the alarms from the process station.

Notes ⓘ

When you update the alarm list, alarms that are closed are deleted from the process station alarm list.

If you close the alarm dialog box during operation and reopen it at a later time, *BAccess* automatically updates the values, provided the time entered in the **Alarm view options** dialog box has been exceeded.

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