EAGLE Controller

Onboard - HMI
User Guide

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APPLICABLE LITERATURE

The following is a list of documents that contains information related to the EAGLE Controller.

Form No.	Title
EN0Z-0970GE51	EAGLE Product Data
MU1Z-0970GE51	EAGLE Mounting Instructions
EN1Z-0970GE51	EAGLE Installation and Commissioning Instructions
EN2Z-0970GE51	EAGLE Web Interface User Guide
EN2Z-0937GE51	CARE User Guide
EN2B-0184GE51	Control Icons User Guide

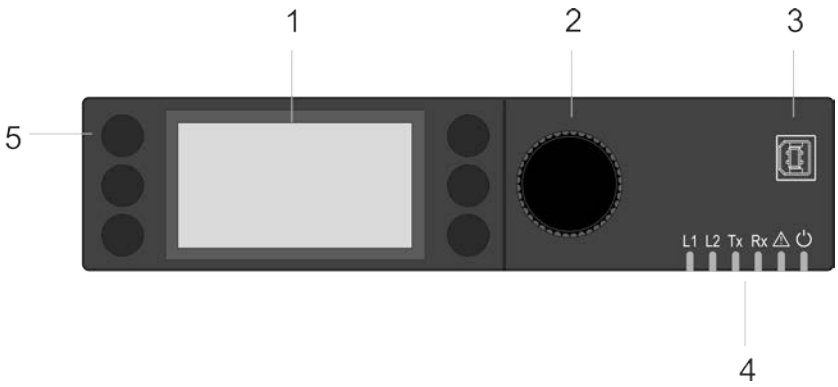
USER INTERFACE DESCRIPTION

The EAGLE controller provides two options of user interfaces:

- An integrated (onboard) user interface (CLEAxxB2x models)
- An external user interface (CLEAHMI21)

Both user interface options incorporate the following components:

- LCD Display (1)
- Rotate&Push Button (2)
- USB 2.0 Device Interface (3)
  onboard HMI only, not available on the external HMI
- LEDs (4)
  onboard HMI only, not available on the external HMI
- Operating keys (5)



LCD Display (1)

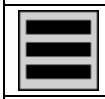
The LCD display is the graphic interface presenting menu items of functions, operator entries and system information. The LCD display can show max. 5 lines of alphanumeric text with max. 20 characters per line.

The backlight of the LCD is switched on, once an operating key or the rotate&push button is pressed. The backlight is switched off if any of the operating keys or the button is not used for 2 minutes.
The entry (Home) screen shows menus which are accessible by using the Rotate&Push button or by pressing a particular operating key as described in the "(5) Operating keys" section.

NOTE: The controller screens shown in this user guide are examples and may differ from the screens displayed on your EAGLE controller.

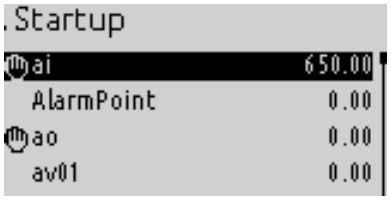
Home Screen

In the *HOME* screen, the following symbols are displayed providing access to subjacent menus:

	Fast Access Lists Displays all fast access lists that allow quick access to pre-definable groups of datapoints and parameters
	Alarms Displays alarms Flashing number indicates new alarms
	**Main Menu** Allows access to various sub menus (e.g. datapoint list, settings and general information)
	Login / User Options Context sensitive display for user login / logout Depending on the log status of the user, the first icon (user logged out) or the second icon (user logged in) is displayed. When logged in, the following functions are available: Logout, change password, setting auto logout time, displaying user details

Initial Fast Access List Display

Optionally a specific fast access list defined in CARE can be displayed initially before the HOME screen appears. This initial fast access list can only be viewed and its name must start with a dot, e.g. `.Startup`. To go to the HOME screen, the HOME key or the Rotate&Push button must be pressed.



Calling up Menus

When highlighting a symbol by turning the Rotate&Push button, the symbol appears larger and the menu name is displayed in the middle of the bottom section. Pressing the Rotate&Push button displays the subjacent menu.

Menu and Sub menus

Menus can include various sub menus:

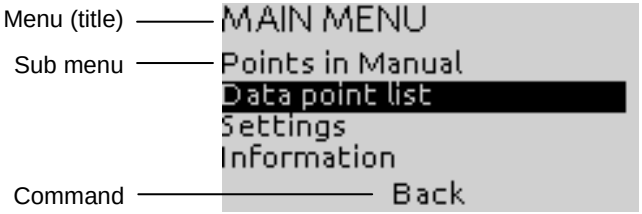


Fig. 1. Menu and sub menus

List Items

A sub menu displays selectable and non-selectable list items such as datapoints, calendar entries, schedules, etc. Depending on the list item, values are displayed and/or options that can be edited (see "Options and Values" below). Datapoint list items can show specific status indicators that visually indicate the current status of the datapoint (see "Status Indicators" section below). At certain spots, command symbols with soft keys are provided for further actions such as filtering, editing, copying etc. (see "Command Symbols" section below).

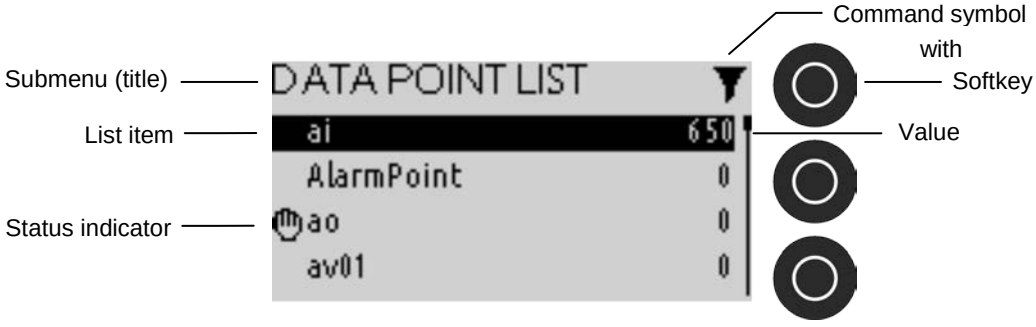


Fig. 2. List items, Status Indicators, Command Symbols with soft keys

NOTE: If a string of various length with the asterisk "*" should appear, this means that currently no value is available.

Options and Values

A list item such as a datapoint can show a value which can be edited and/or options such as the Manual mode which can be enabled/disabled.

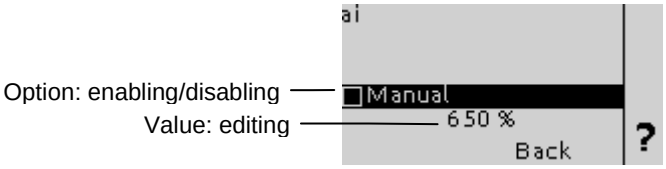


Fig. 3. Option and value of datapoint

Status Indicators

Depending their current status, datapoints can show one of the following visual status indicators:

	Datapoint is in "manual mode"
	Datapoint is in "Overridden status"
	Datapoint is in "Alarm status"
	Datapoint is in alarm status "normal mode"
	Datapoint is in alarm status "off-normal"
	Datapoint is in alarm status "low-limit"
	Datapoint is in alarm status "high-limit"
	Datapoint is in alarm status "fault"

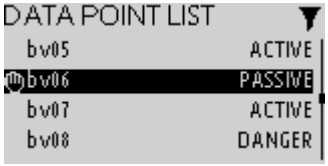
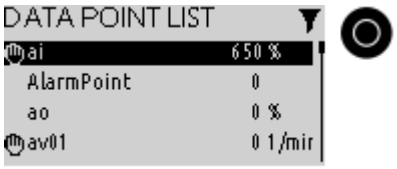


Fig. 4. Status indicator (Manu) of binary datapoint

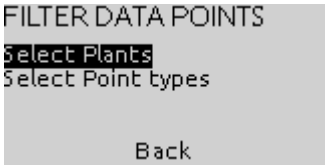
Command Symbols and Soft keys

At certain spots in the operating sequence, special command symbols are available. The corresponding commands are executed by pressing the corresponding operating key (soft key) to the immediate right on the housing.

Example: Displaying filter function in the datapoint list



Clicking on the topmost softkey adjacent to the filter command symbol opens the FILTER DATA POINTS screen.



The following command symbols are available:

Symbol	Function
	Add Item (datapoint, time program, etc.) can be added to a list, e.g., a datapoint can be put to a list of trended datapoints
	Copy Item (datapoint, time program, etc.) can be copied
	Delete Item (datapoint, time program, etc.) can be deleted
	Delete Deletes a character
	Toggle Toggles between headline and character library
	Scroll Browses in the character library line by line
	Scroll forward Scrolls forward through a calendar
	Scroll backward Scrolls backward through a calendar
	Today Selects the current date in a calendar
	Valid Period Defines the valid period for an exception
	Select Filter Selects a filter for a list
	Settings Allows setting general schedule properties such as default value and time period, etc.
	Exceptions Displays the exceptions of a schedule
	Help Displays online information on particular screens

Rotate&Push Button (2) (see "User Interface Description" section, p. **Error! Bookmark not defined.**)

The **Rotate&Push** button works as follows:

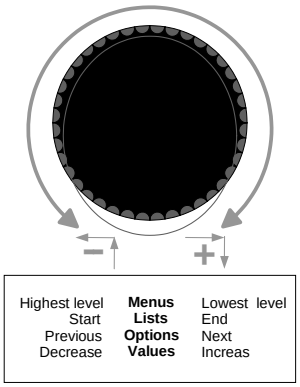
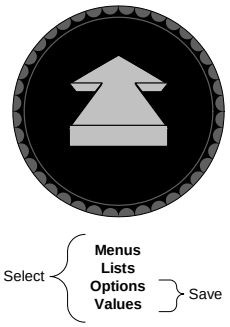
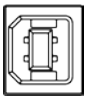
Turning the button clockwise or counterclockwise:	**Navigate - Highlight - Adjust**
• **navigates** through menus and lists • **highlights** items (menu, list, option, value) • **adjusts** options (ON, OFF, etc.) and values (temperature in °C, etc.)	
Pushing the button:	**Select - Save**
• **selects** items (menu, list, option, value) • **saves** options and values	

Table 1. Rotate&Push Button Functionality

USB 2.0 Device Interface (3) Provides connection to CARE / XW Online (see "User Interface Description" section, p. **Error! Bookmark not defined.**).



LEDs (4) 6 LEDs indicate operational statuses of the controller (see "User Interface Description" section, p. **Error! Bookmark not defined.**).

The following section gives an overview over the LEDs with the relevant operational statuses of the controller. For information on troubleshooting, please refer to the “Troubleshooting” chapter.

Power LED (green)

	Power LED Behavior	**Meaning**
1	ON	Normal operation
2	OFF	Power supply not OK

⚠ **Status / Alarm LED (red)**

	LED Behavior	Meaning
1	LED remains OFF after power-up	Normal operation
2	LED is lit continuously after power-up	The controller has encountered a hardware problem or The application has a fault or The controller has been powered up without an application or The operator has manually stopped the application, e.g., using XW-Online. In this case, the LED will light up 20 minutes after power-up without application
3	LED flashes continuously with following pattern: 4 x ON/OFF followed by pause	Sensor failure of analog input
5	LED flashes continuously with following pattern: 7 x ON/OFF followed by pause	Communications failure on Panel Bus

Rx, Tx **RS485-1, Send (Tx) / Receive (Rx) LED (yellow)**

	RS485-1 LED Behavior	Meaning
1	Both LEDs are flickering	Normal operation, RS485-1 communication is functioning properly
2	Both LEDs are OFF	No Rs485-1 communication
3	Rx Led is flashing and Tx is OFF	RS485-1 communication is switched off but controller is receiving data from other controllers
4	Tx Led is flashing and Rx is OFF	Controller is trying to establish a RS 485-1 connection but there is no answer

L1, L2 **Application LEDs (yellow)**

NOTE: The LED can be used to display status information like “Cooling Mode”, “Heating Mode”, “Service Interval” etc. depending on the application.

Operating Keys (5) (see"User Interface Description" section, p. **Error! Bookmark not defined.**).

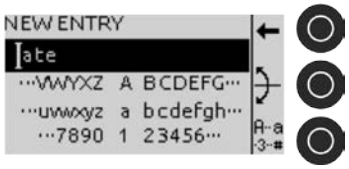
The operating keys provide the following functions:

Home key
calls up the default *HOME* screen with Fast Access Lists preselected, or an initial fast access list. The HOME menu is displayed by default if no operating key has been pressed for 1 minute (default auto logout delay).

Time Program key
calls up the time program function.

Back key
- Returns to the previous screen.
  If changes in fields are already saved indicated by a black bar, pressing the **Back** key confirms the saved settings and returns to the previous screen.
- In longer lists where normally multiple changes will be done, pressing the **Back** key discards any changes. Pressing the **Back** key twice, returns to the previous screen.

Soft keys
calls up the command symbol function that is displayed left adjacent in the LCD display



Example:

	Pressing
←	
Deletes a character	
Toggles between headline and character library	
A··a ·3··#	
Browses in the character library line by line	

See command symbols example in the "Command Symbols" description above.

BASIC OPERATION PROCEDURES

NOTE: The controller screens shown in this user guide are examples and may differ from the screens displayed on your EAGLE controller.

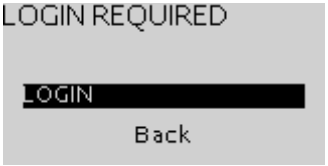
Login / Entering Password

You can explicitly login or you are requested to login if the particular function you want to use is password-protected. Each password has 4 numerical characters.

Procedure

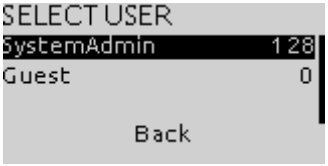
1. To explicitly login, do the following:
   In the HOME screen, turn the rotate&push button to navigate to and highlight **Login / User Options**.

2. Then push the rotate&push button.
   Or, if you are requested to login, push the rotate&push button on the highlighted **Login** entry in the LOGIN REQUIRED screen.

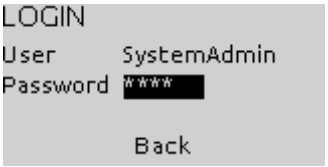


   In both cases, the LOGIN screen displays.

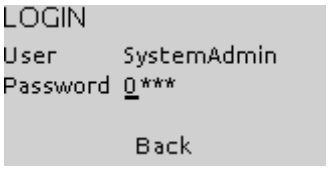
3. Push the rotate&push button. The SELECT USER screen displays.



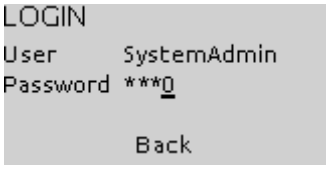
4. Turn the rotate&push button to navigate to and highlight the user. The following screen displays.



5. Push the rotate&push button. The password entry field is enabled and indicated by four asterisks ****. At the first digit, the number 0 is flashing by default.



6. Adjust the first number of the password by turning the rotate&push button.
7. Push the rotate&push button to save the first number. The second digit is flashing, etc.
8. Adjust and save the second and all further numbers of the password in the same way as the first number.



The original screen displays. All password related functions are enabled and can be executed.

Logout

Procedure

1. To explicitly logout, do the following:
   In the HOME screen, turn the rotate&push button to navigate to and highlight **Login / User Options**.

2. Push the rotate&push button. The USER INFO menu displays. Logout is highlighted.

3. Push the rotate&push button. The LOGOFF screen displays and the logout is executed indicated by the burning down candle.

Finally the HOME screen redisplays. You must or can now login again, for example as another user.

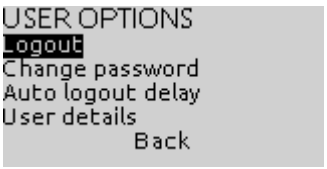
Setting Auto Logout Delay

The auto logout delay defines the default time after which the HOME menu is displayed automatically if no input has been made (default is 1 minute).

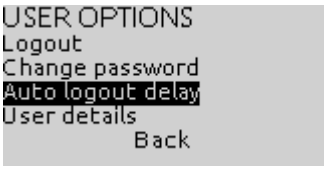
Procedure

1. In the HOME screen, turn the rotate&push button to navigate to and highlight **Login / User Options**.

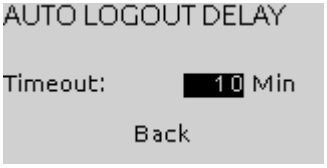
2. Push the rotate&push button. The USER INFO menu displays. Logout is highlighted.



3. Turn the rotate&push button to navigate to and highlight **Auto logout delay**.



4. Push the rotate&push button. The AUTO LOGOUT DELAY screen displays. .



5. Change the value as described in the "Adjusting and Saving Values and Options" section.

Viewing and Editing Information

Basic procedures are:

- Displaying HOME Menu and/or Fast Access List
- Calling up Menus and Sub Menus
- Navigating through Menus, Sub menus and Lists and Highlighting Items
- Selecting Items
- Adjusting and Saving Values and Options
- Enable/Disabling Options
- Working with Command Symbols and Soft keys
- Saving Settings
- Canceling Changed Settings

and will be described in the following sections of the same name.

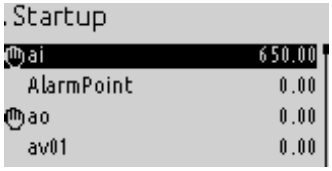
Displaying Home Screen / Fast Access List

The initial screen of the EAGLE controller can appear in one of the following ways:

- HOME screen with menu symbols
  The HOME screen can be displayed from within every position in the operating sequence by pressing the **Home** key .

The HOME screen is displayed by default if no operating key has been pressed for the time in minutes defined as auto logout delay (default = 1 minute).

- Fast Access List
  according to the definition in the CARE project. Note that for displaying a fast access initially, the fast access list name defined in CARE must start with a dot, e.g. `.Startup`. The initial fast access list can only be viewed. To go to the HOME screen, the HOME key or the Rotate&Push button must be pressed.



Calling up Menus and Sub Menus

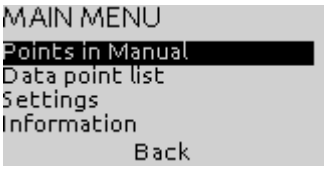
Example: Calling up MAIN MENU.

Procedure

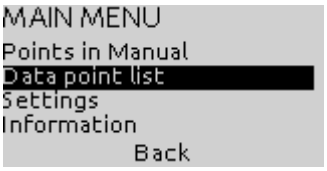
1. In the HOME screen, turn the rotate&push button to navigate to and highlight **Main Menu** .

   The main menu symbol appears larger and the menu name is displayed in the middle of the bottom section.

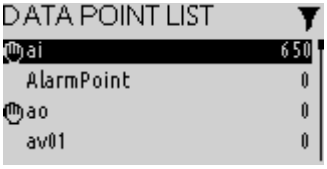
2. Then push the rotate&push button. The MAIN MENU is displayed.



3. Use the rotate&push button to navigate to and highlight the sub menu.



4. Push the rotate&push button. The sub menu is displayed.



Navigating through Menus, Sub Menus, Lists and Highlighting Items

When navigating through menus, and lists by turning the rotate&push button, the list items are automatically highlighted while turning the rotate&push button clockwise or counterclockwise.

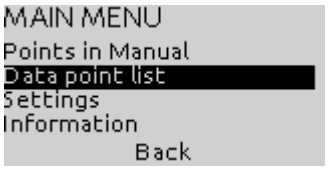
Fig. 5. Navigating / Highlighting Items in the Schedule menu

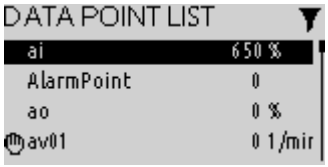
Selecting Items

Selecting items is done by pushing the rotate&push button on a highlighted item. Dependig on the highlighted item, the resulting action can be different.

Selecting Menu, Sub Menu and List Items

Pushing the rotate&push button on highlighted menus and list items, typically branches off into further information such as sub menus, e.g., DATAPOINT LIST of the MAIN MENU.

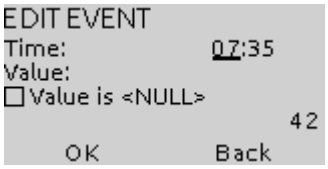




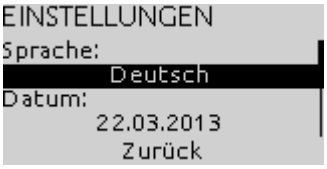
Selecting Values and Options

Pushing the rotate&push button on a highlighted value or option is the first step for adjusting values and options. For details, please refer to the subsequent “Adjusting and Saving Values and Options” section.

Value Example: Selecting and adjusting the time of a switch point



Options Example: Selecting and adjusting the language



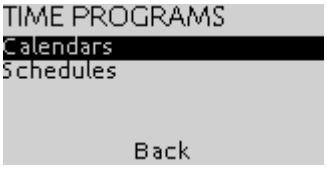
Adjusting and Saving Values and Options

Values are adjustable values such as the temperature of an analog point, the state of a binary point (0-1, ON-OFF), or the time of a switch point in a schedule.

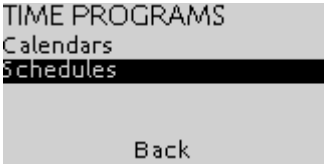
Adjusting and Saving Values

Example: Adjusting and saving the time and the value of an analog switch point

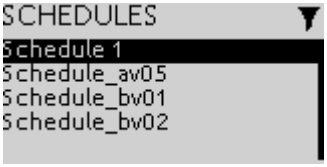
1. On the controller housing, press the time program operating key .
   The TIME PROGRAMS menu displays.



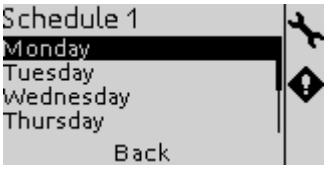
2. Turn the rotate&push button to navigate to and highlight **Schedules**.



3. Push the rotate&push button.
   The SCHEDULES menu displays.

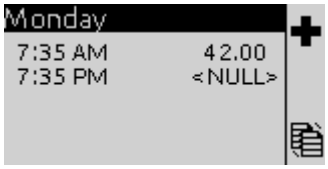


4. Turn the rotate&push button to navigate to and highlight the schedule.
5. Push the rotate&push button. The days of the schedule are displayed.

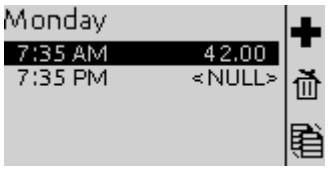


6. Turn the rotate&push button to navigate to and highlight the day.
7. Then push the rotate&push button. The switch points with time and value are displayed. Here you can add new switch points and copy switch points using command symbols and soft keys.

   To add a new switch point, please refer to the "Adding Items to a List" section. To copy a switch point, please refer to the "Copying Items" section.

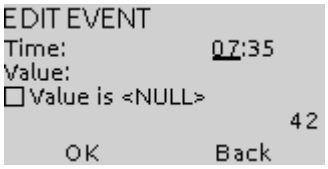


8. Turn the rotate&push button to navigate to and highlight the line you want to edit.

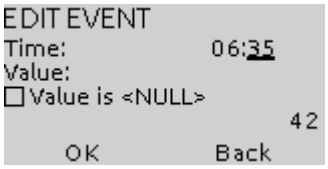


9. Then push the rotate&push button.
   The EDIT EVENT screen displays. The time is highlighted.

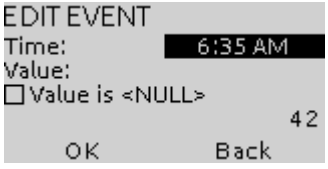
10. Push the rotate&push button.
    The hours field is flashing.



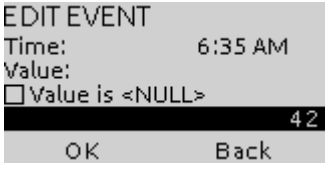
11. Turn the rotate&push button to change the hours. Then push the rotate&push button.
    The minutes field is flashing.



12. Set the minutes in the same way as the hours.
    After finally pushing the rotate&push button, the time is highlighted and set.

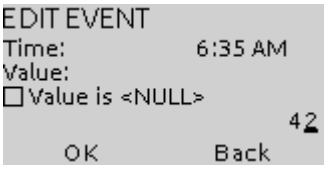


13. Turn the rotate&push button to navigate to and highlight the value.

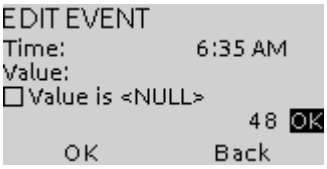


14. Then push the rotate&push button.

The Ones are flashing.



15. Turn the rotate&push button to change (increase or decrease) the value. Higher digits of the value are automatically increased or decreased.
16. Push the rotate&push button. The new value is displayed and the cursor jumps to an OK field which displays.



At this point you can pre-save the value, or you can switch to digits before or after the decimal place which are not displayed initially by the original value.

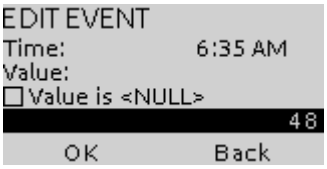
To pre-save the value, please refer to step 17.

To display and adjust lower digits (tenths, hundreds. etc.) or higher digits (any higher than the original), please refer to step 18.

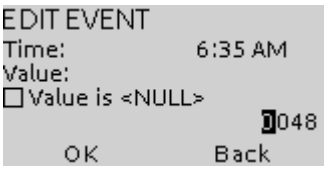
17. Push the rotate&push button while the OK field is highlighed.

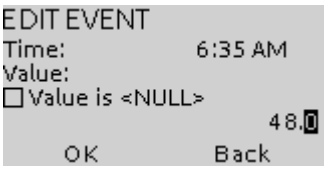
    The changed value is highlighted.

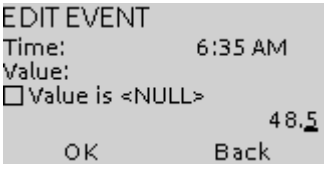
    To save the value, please refer to step 21.



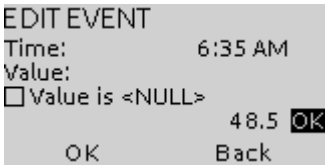
18. To adjust lower or higher digits, do not pre-save the value by pushing the rotate&push button, instead turn the rotate&push button clockwise or counterclockwise to display the higher or lower digits. Depending on the turn direction, the first, second and proximate digits after or before the decimal point will be displayed and can be adjusted (see following examples).



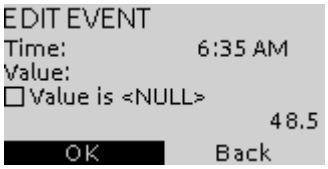




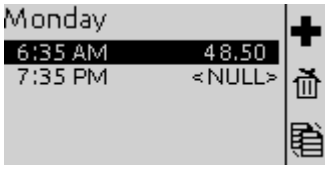
19. Change the lower or higher digits in the same way by turning the rotate&push button, and then by pushing the rotate&push button.
20. Push the rotate&push button to pre-save the value.
    The changed value is highlighted.



21. To finally save a value, turn the rotate&push button to navigate to and highlight the **OK** command at the bottom of the screen.



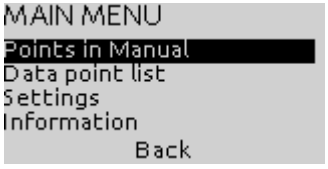
22. Push the rotate&push button.
    The day with the changed values is redisplayed.



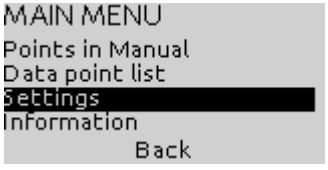
Adjusting and Saving Options Example: Adjusting and saving the language setting.

1. In the Home screen, turn the rotate&push button to navigate to and highlight **Main Menu** .

2. Then push the rotate&push button. The MAIN MENU is displayed.



3. Turn the rotate&push button to navigate to and highlight **Settings**.



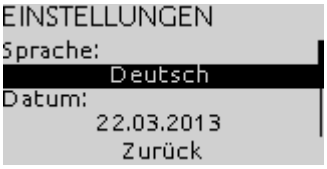
4. Push the rotate&push button.
   The SETTINGS screen is displayed. By default ´English` is selected.

5. To select another language, push the rotate&push button.

   The entry is flashing.

6. Turn the rotate&push button to scroll through the list of languages, and then push the rotate&push button to select a language.

   The screen is instantly displayed in the selected language.



7. Press the Back operating key on the controller housing twice to leave the SETTINGS menu and display the HOME menu.

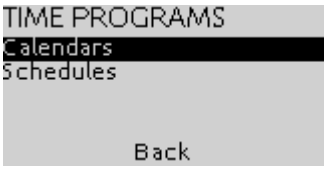
Enable/Disabling Options

Options can be enabled or disabled by toggling the checkbox symbol:

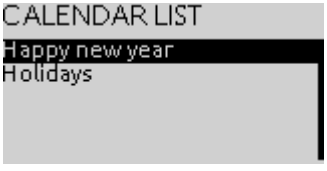
☒	**Enable/Disable** Option is enabled (checked) or disabled (unchecked)

Example Enable the **Last day** option when defining the specific date for a calendar.

1. Press the **Time Programs** key . The TIME PROGRAMS menu displays.



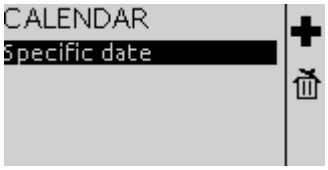
2. Turn the rotate&push button to navigate to and highlight **Calendars**. And then push the rotate&push button. The CALENDAR LIST menu displays.



3. Turn the rotate&push button to navigate to and highlight the calendar, e.g. ´Happy new year`.

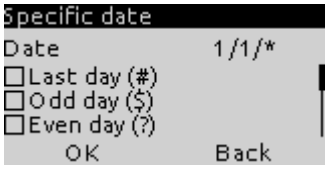
4. Push the rotate&push button.

   The CALENDAR screen displays showing the calendar types, e.g. **Specific date**.

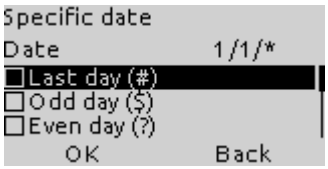


5. If multiple calendar types are available, turn the rotate&push button to navigate to and highlight the desired calendar type.
6. Push the rotate&push button.

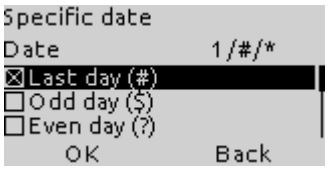
   The calendar´s definition displays.



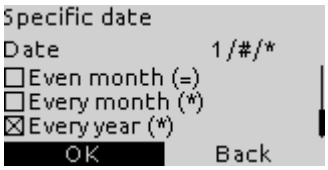
7. Turn the rotate&push button to navigate to e.g. **Last day (#)**.



8. Push the rotate&push button. The **Last day (#)** option is enabled.

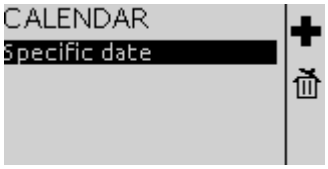


9. Turn the rotate&push button to navigate to the bottom of the screen until **OK** is highlighted.



10. Push the rotate&push button.

    The option **Last day (#)** is saved and enabled. The CALENDAR menu redisplays.



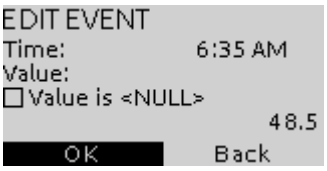
Disabling an option works in the same way by pushing the rotate&push button when an enabled option is highlighted.

Saving Settings

There are two ways to save the current settings displayed in a screen:

OK command

- Turn the rotate&push button to navigate to and highlight the **OK** command at the bottom of the screen.

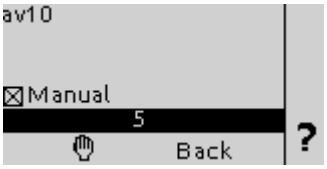


- Push the rotate&push button.

NOTE: In some screens, initially the OK command is not visible. Scroll through the screen until the command will be available.

Back command, or **Back** operating key

If changes in fields are already saved indicated by a black bar, using the **Back** command or **Back** operating key confirms the saved settings and returns to the previous screen.



- Turn the rotate&push button to navigate to and highlight the **Back** command at the bottom of the screen, and then push the rotate&push button.

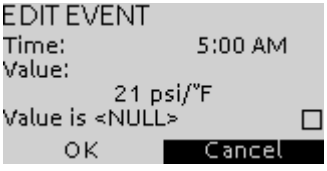
- Or, press the **Back** operating key .

Canceling Changed Settings

To discard currently changed sttings displayed in a screen, do the following:

Cancel command

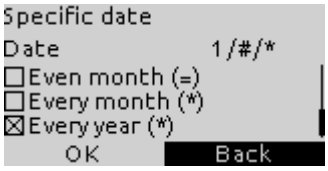
- Turn the rotate&push button to navigate to and highlight the **Cancel** command at the bottom of the screen.



- Push the rotate&push button.
  All inputs already done will be discarded.

Back operating key

In longer lists where normally multiple changes will be done, pressing the **Back** operating key discards any changes.

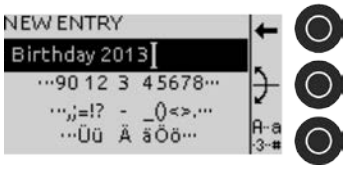


- At any point when working on the list, press the **Back** operating key.

Working with Command Symbols and Soft keys

At certain spots in the operating sequence, special command symbols are available. The corresponding commands are executed by pressing the corresponding operating key (soft key) to the immediate right on the housing.

Example Editing an Entry



	Pressing
←	◯
Deletes a character	
⇄	◯
Toggles between headline and character library	
A··a ·3··#	◯
Browses in the character library line by line	

The following command symbols are available:

Symbol	**Function**
✚	**Add** Item (datapoint, time program, etc.) can be added to a list, e.g., a datapoint can be put to a list of trended datapoints
🗐	**Copy** Item (datapoint, time program, etc.) can be copied
🗑	**Delete** Item (datapoint, time program, etc.) can be deleted
←	**Delete** Deletes a character
⇄	**Toggle** Toggles between headline and character library
A··a ·3··#	**Scroll** Browses in the character library line by line

Symbol	Function
	Scroll forward Scrolls forward through a calendar on monthly basis
	Scroll backward Scrolls backward through a calendar on monthly basis
	Today Selects the current date in a calendar
	Valid Period Defines the valid period for an exception
	Select Filter Selects a filter for a list
	Settings Allows setting general schedule properties such as default value and time period, etc.
	Exceptions Displays the exceptions of a schedule
?	**Help** Displays online information on particular screens

In the followings sections, the basic functions and procedures of the symbols are described.

Adding Items to a List

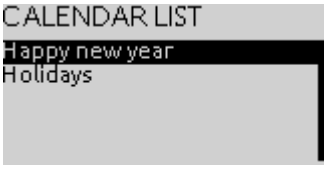
At appropriate spots, lists can be extended by adding new items to the lists. Lists which can be extended, are indicated by the **Add** command symbol:

	Add Item can be added to a list

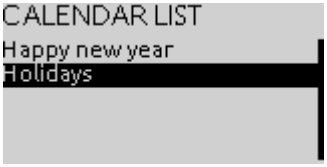
Example Adding a calendar entry to a calendar.

1. On the controller housing, press the time program operating key . The TIME PROGRAMS menu displays.

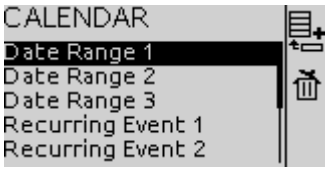
2. Turn the rotate&push button to navigate to and highlight **Calendars**.
3. Push the rotate&push button to. The CALENDAR LIST menu is displayed.



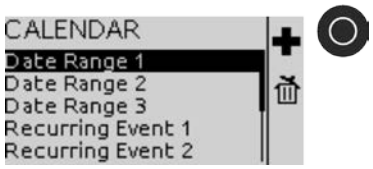
4. Turn the rotate&push button to navigate to and highlight the calendar, e.g. ´Holidays`.



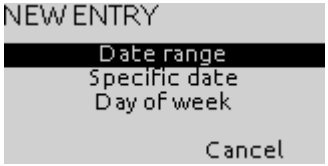
5. Push the rotate&push button. The CALENDAR menu is displayed showing all calendar entries.



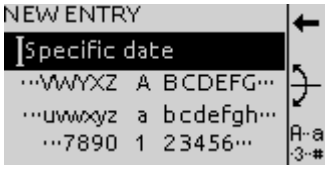
6. To add a new entry, press the topmost soft key adjacent to the **Add** command symbol ✚.



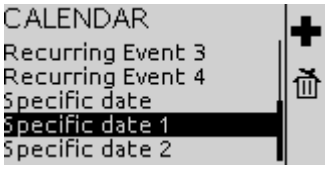
The NEW ENTRY screen displays. Here you can select the entry type from date range, specific date and day of week.



7. Turn the rotate&push button to navigate to and highlight, e.g. **Specific date**. The following screen displays.



Here you can edit the entry title line by using the command symbols via adjacent soft keys (see "Editing Text of New Entry" section). After finishing the creation/edition of the title line, the new calendar is added to the CALENDAR menu, in this case ´Specific date 1`.



8. To set the properties for the calendar entry, push the rotate&push button on the highlighted entry, and enter the properties as described in “Adjusting and Saving Values and Options” section.

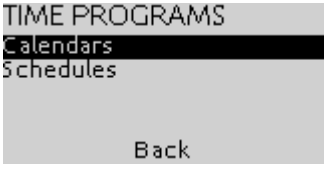
Copying Items

At appropriate spots, lists can be extended by copying existing items within the list.

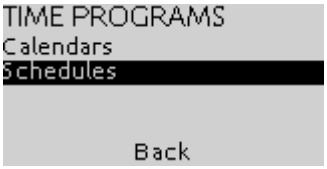
	Copy Item can be copied

Example Copying all switch points from one day to another day.

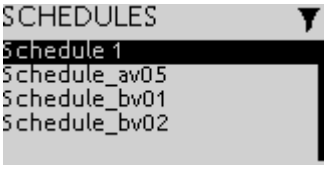
1. On the controller housing, press the time program operating key .
   The TIME PROGRAMS menu displays.



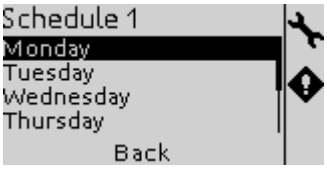
2. Turn the rotate&push button to navigate to and highlight **Schedules**.



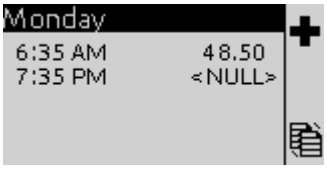
3. Push the rotate&push button.
   The SCHEDULES menu displays.



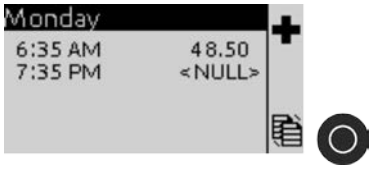
4. Turn the rotate&push button to navigate to and highlight the schedule.
5. Push the rotate&push button. The days of the schedule are displayed.



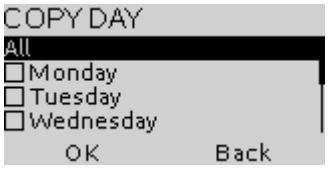
6. Turn the rotate&push button to navigate to and highlight the day.
7. Then push the rotate&push button. The switch points with time and value are displayed.



8. Press the soft key adjacent to the **Copy** command symbol .

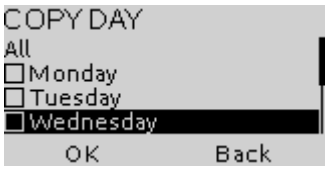


The COPY DAY screen displays. The **All** option is highlighted.

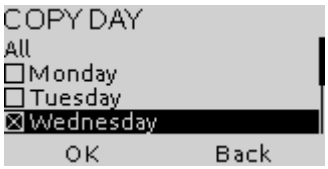


9. If you want to select all days, push the rotate&push button.

10. If you want to select particular days, turn the rotate&push button to navigate to and highlight the day.



11. Push the rotate&push button.
    The selected day is enabled



12. Enable further days if desired.

13. Turn the rotate&push button to navigate to and highlight the **OK** command at the bottom of the screen.

14. Push the rotate&push button.
    In this example, the switch points of Monday are copied to Wednesday and Friday.

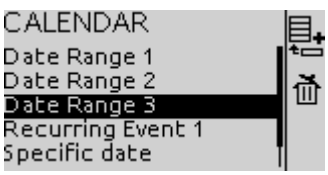
Deleting Items

At appropriate spots, items can be deleted. Items which can be deleted, are indicated by the **Delete** command symbol:

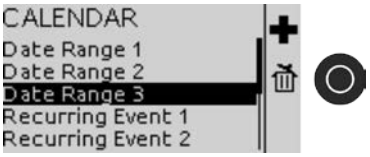
🗑	**Delete** Item can be deleted

Example Delete a calendar entry.

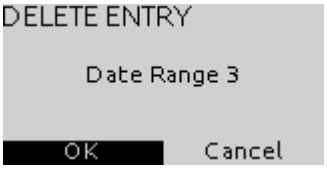
1. In the CALENDAR menu, turn the rotate&push button to navigate to and highlight the entry, e.g. ´Date Range 3`.



2. To delete the entry, press the soft key adjacent to the **Delete** command symbol .



The DELETE ENTRY screen displays. OK is pre-selected.



3. Push the rotate&push button.
   The entry is deleted and removed from the CALENDAR menu.

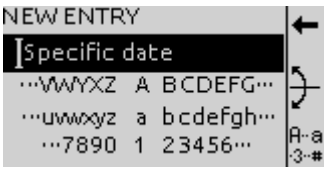
Editing Text of New Entry

When creating a new entry, the text can be edited.

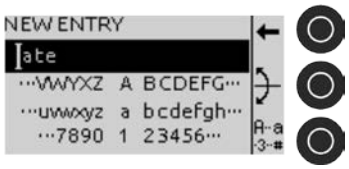
Example Edit name of a calendar entry.

←	**Delete** Deletes a character
	Toggle Toggles between headline and character library
A..a .3..#	**Scroll** Browses in the character library line by line

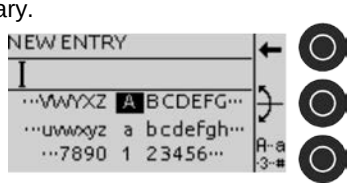
1. In the *NEW ENTRY* screen, initially the entry title is highlighted.



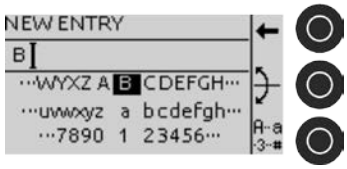
2. Do any of the following:
   a. In the title line, position the cursor where you want to delete the characters. Deletion occurs from right to left as long as characters are adjacent to the left. If the spot left to the cursor is blank, then the character next to the right will be deleted.
   b. Delete the entry title by pressing the soft key adjacent to the **Delete** command symbol ← multiple times.



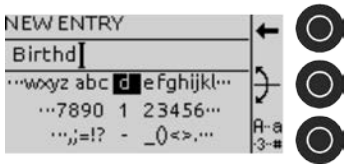
c. Switch to the character library by pressing the soft key adjacent to the **Toggle** command symbol . The cursor jumps into the first line of the character library.



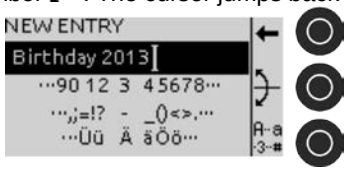
d. Turn the rotate&push button to navigate through the first line of the characters library and highlight the character.
e. Push the rotate&push button.
The character is added to the title line.



f. To scroll through the lines of the character library including capitals, lower case characters, numbers, and special signs, press the soft key adjacent to the **Scroll** command symbol A··a ·3··#. Then select and add the desired character in the same way as described above.



g. If wrong characters have been added, they can be deleted at any time by using the soft key adjacent to the **Delete** command symbol .
h. After completing the title line, press the soft key adjacent to the **Toggle** command symbol . The cursor jumps back into the title line.



3. Push the rotate&push button.
The new entry is saved and added to the CALENDAR menu.

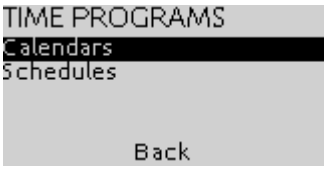
Scrolling through Calendar

When creating a calendar, in the second part, the date(s) for the calendar type (specific date, date range, recurring event) can be selected by scrolling through a calendar.

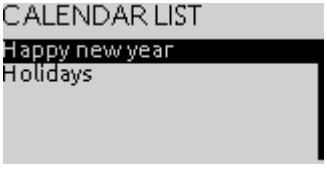
	Scroll forward Scrolls forward through a calendar on monthly basis
	Scroll backward Scrolls backward through a calendar on monthly basis
	Today Selects the current date in a calendar

Example Select date for a calendar of type ´Specific date`.

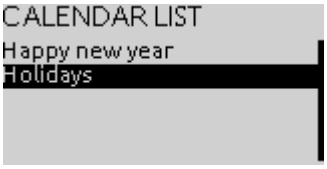
4. On the controller housing, press the time program operating key . The TIME PROGRAMS menu displays.



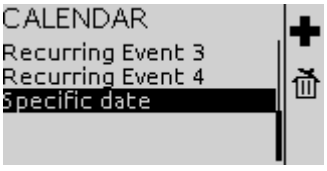
5. Turn the rotate&push button to navigate to and highlight **Calendars**.
6. Push the rotate&push button to. The CALENDAR LIST menu is displayed.



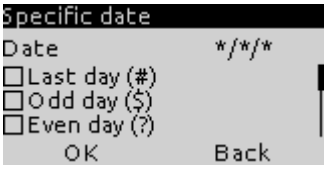
7. Turn the rotate&push button to navigate to and highlight the calendar, e.g. ´Holidays`.



8. Push the rotate&push button. The CALENDAR menu is displayed showing all calendar entries.



9. Turn the rotate&push button to navigate to and highlight, e.g. **Specific date**. The following screen displays.

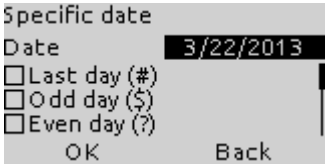


10. Turn the rotate&push button to navigate to and highlight **Date**. The following screen displays. The current date is highlighted.

11. Select a date by doing any of the following:
    a. Scroll through the actual month on a daily basis by turning the rotate&push button.
    b. Scroll through the calendar on a monthly basis using the corresponding command symbols with soft keys:

	Scrolls forward and highlights actual date of next month
	Scrolls backward and highlights actual date of previous month
	Selects the current date

    c. In any month displayed, turn the rotate&push button to finally highlight the particular day.
12. Push the rotate&push button to finally select the highlighted day. The date is updated in the previous screen.



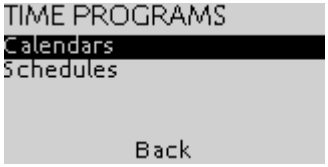
Setting Valid Period for Exception

In the Schedules menu, exceptions with switch points valid for particular time ranges can be defined.

	Valid Period Defines the valid period for an exception

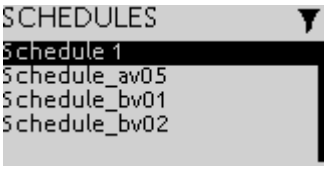
Example Change the valid period of an exception.

1. On the controller housing, press the time program operating key .
   The TIME PROGRAMS menu displays.

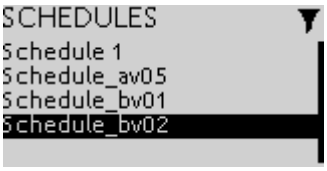


2. Turn the rotate&push button to navigate to and highlight **Schedules**.

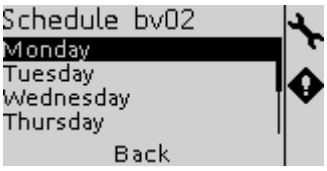
3. Push the rotate&push button.
   The SCHEDULES menu displays.



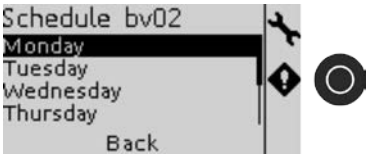
4. Turn the rotate&push button to navigate to and highlight the schedule.



5. Push the rotate&push button.

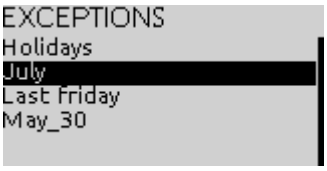


6. Press the soft key adjacent to the **Exceptions** command symbol .

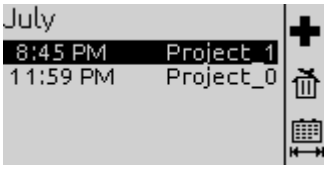


   The exceptions are displayed.

7. Turn the rotate&push button to navigate to and highlight the exception.

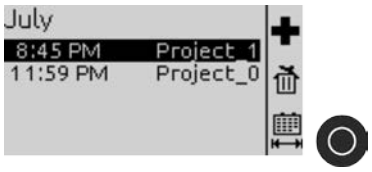


8. Push the rotate&push button.
   The switch points of the exception are displayed.

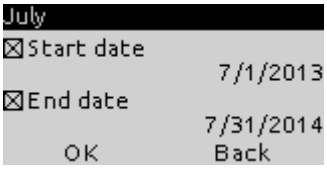


9. Turn the rotate&push button to navigate to and highlight a switch point.

10. Press the soft key adjacent to the **Valid Period** command symbol .



The current valid period of the exception is displayed.



11. Change the valid period by applying procedures such as described in the "Enable/Disabling Options" and "Scrolling through Calendar" sections.

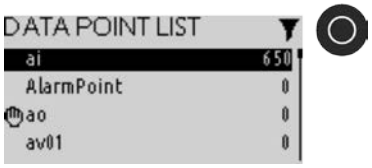
Applying Filter

At appropriate spots, the display of list items can be optimized by applying a filter.

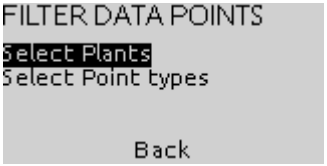
	Apply Filter Applies a definable filter for a list

Example Display analog outputs from the datapoints list

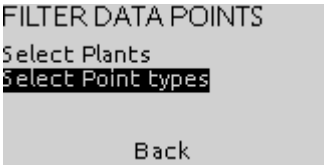
1. In the DATAPOINT LIST, press soft key adjacent to the **Filter** command symbol .



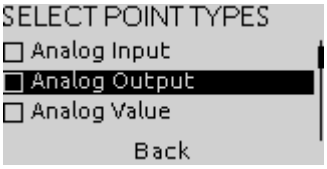
The FILTER DATA POINTS menu displays.



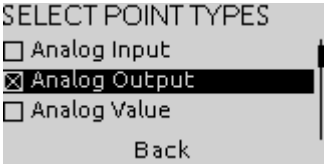
2. Turn the rotate&push button to navigate to and highlight the criteria you want apply as filter, e.g. **Select Point types**.



3. Push the rotate&push button.
   The SELECT POINT TYPES screen displays.

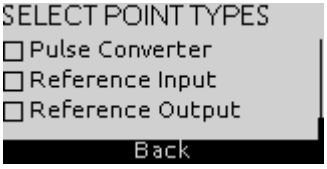


4. Turn the rotate&push button to navigate to and highlight the option, e.g. **Analog Output.**



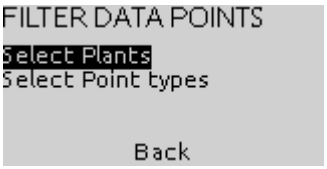
5. Push the rotate&push button.

6. To leave the screen, turn the rotate&push button to navigate to and highlight the **Back** command at the bottom of the screen.



7. Push the rotate&push button.
8. Or, press the Back operating **key** .

   The FILTER DATA POINTS menu redisplays.



   When displaying the datapoint list from the main menu, only analog outputs will be displayed.

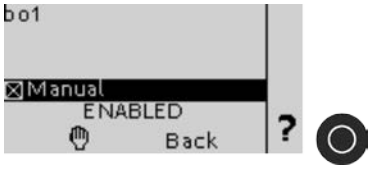
Viewing Help

At appropriate spots, additional help information can be viewed.

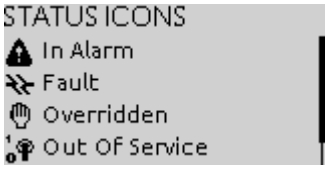
?	**Help** Displays online information on particular screens

Example Viewing status information of datapoint

1. In the datapoint properties view, press the **Help** command symbol ? soft key.



The STATUS ICONS screen displays with detailed description of the meaning of the status indicators.



2. To leave the screen, press the Back operating key .

EVERYDAY OPERATIONS

This section details steps for common everyday procedures.

The procedures are grouped by common functions as follows:

- Setting language for display
- Viewing Fast Access Lists
- Viewing Datapoints in Alarm
- Viewing Alarms
- Viewing Datapoints in Manual Mode
- Setting Datapoints into Manual Mode
- Changing Time Programs
- Changing Datapoint and Parameter Values

NOTE: The controller screens shown in this user guide are examples and may differ from the screens displayed on your EAGLE controller.

For …	**… refer to the following sections and subsections**	**… on page**
Viewing Fast Access Lists	Fast Access Lists – Viewing Fast Access Lists	44
Viewing Datapoints in Alarm	Alarm List – Viewing Datapoints in Alarm	47
Viewing Alarms	Alarm List – Viewing Alarms	48
Viewing Datapoints in Manual Mode	Datapoints – Viewing Datapoints in Manual Mode	52
Setting Datapoints into Manual Mode	Datapoints – Setting Datapoints into Manual Mode	53
Changing Time Programs	Time Programs – Schedules, Calendars	67, 60
Changing Datapoint Values	Datapoints – Setting Datapoints into Manual Mode	53
Changing Parameter Values	Fast Access Lists – Viewing Fast Access Lists	44

Operating Schematics

The following operating schematics (see next page) give an overview of the operation of the EAGLE controller:

- Main Menu
- Fast Access Lists
- Alarm List
- Login / User Options
- Time Programs

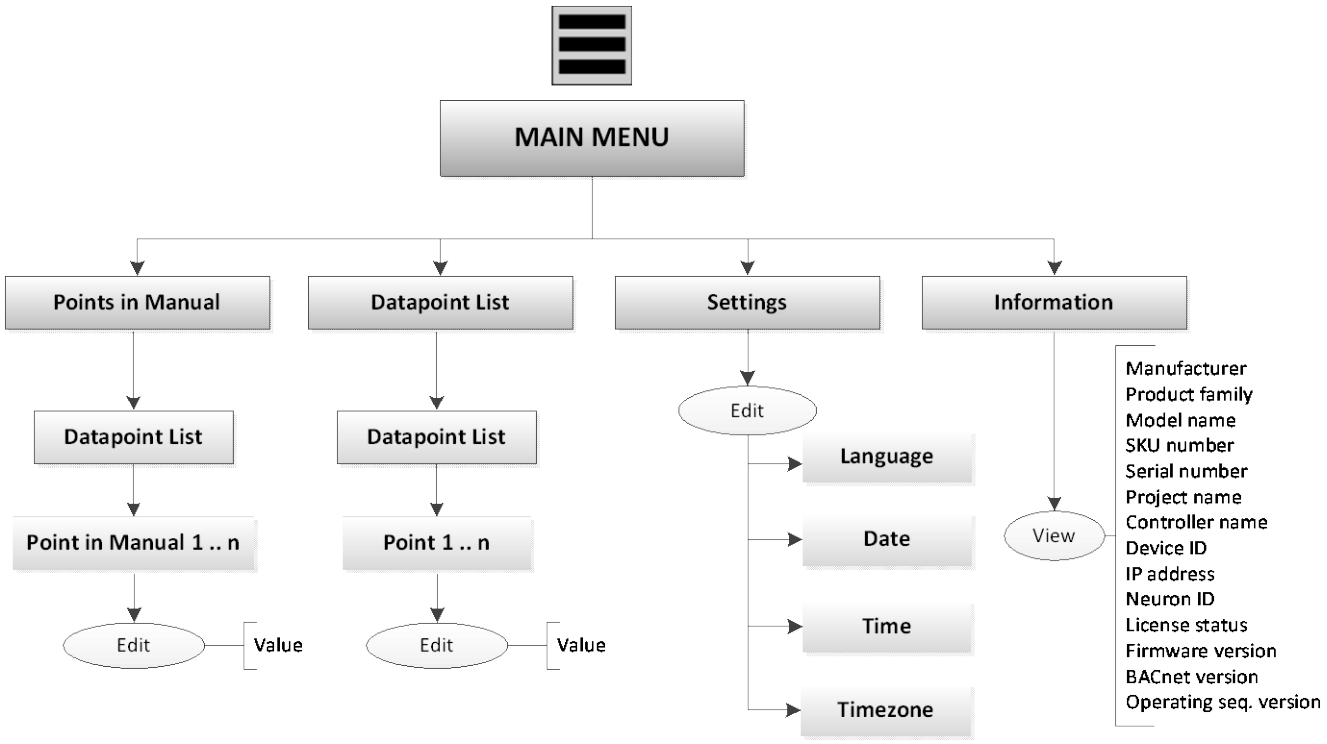


Fig. 6. Operating Schematic: Main Menu

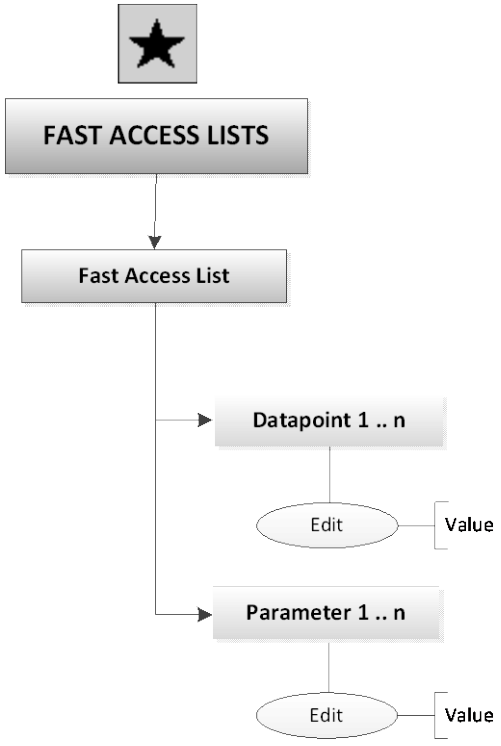


Fig. 7. Operating Schematic: Fast Access Lists

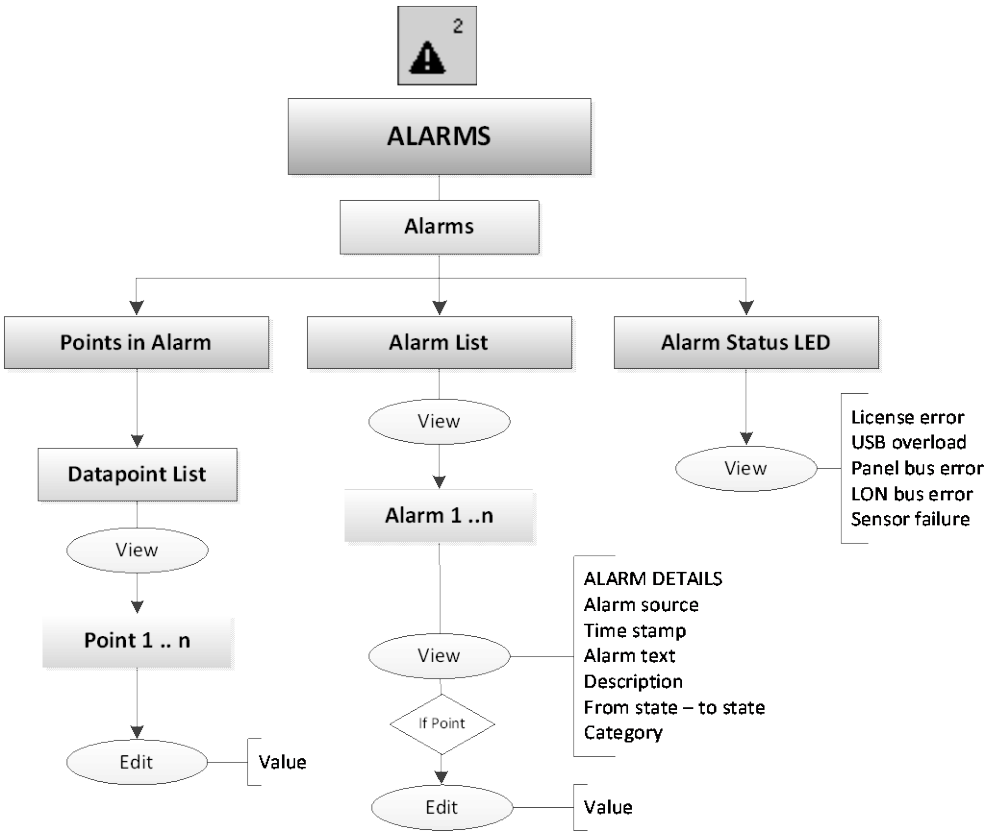


Fig. 8. Operating Schematic: Alarms

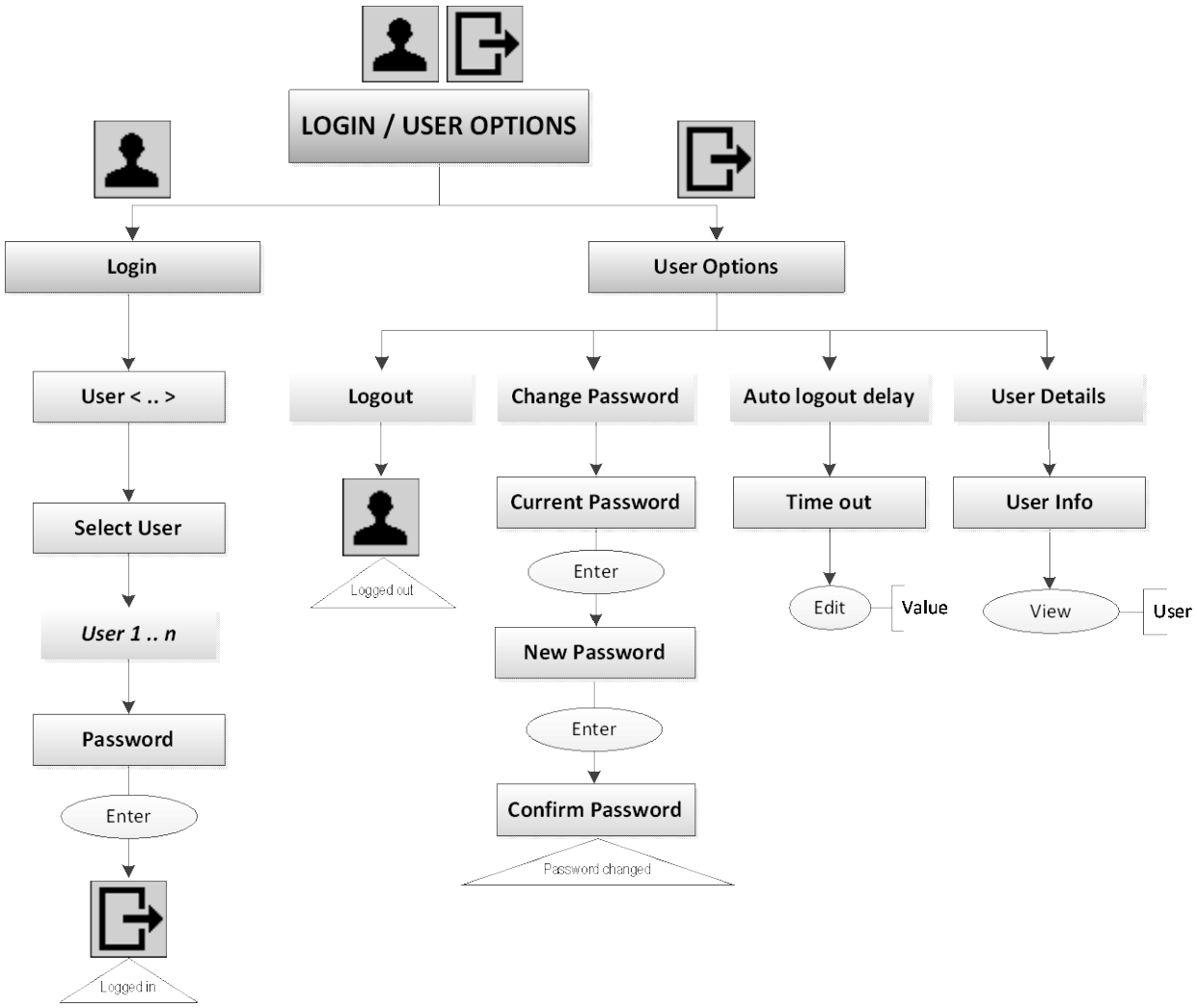


Fig. 9. Operating Schematic: Login / User Options

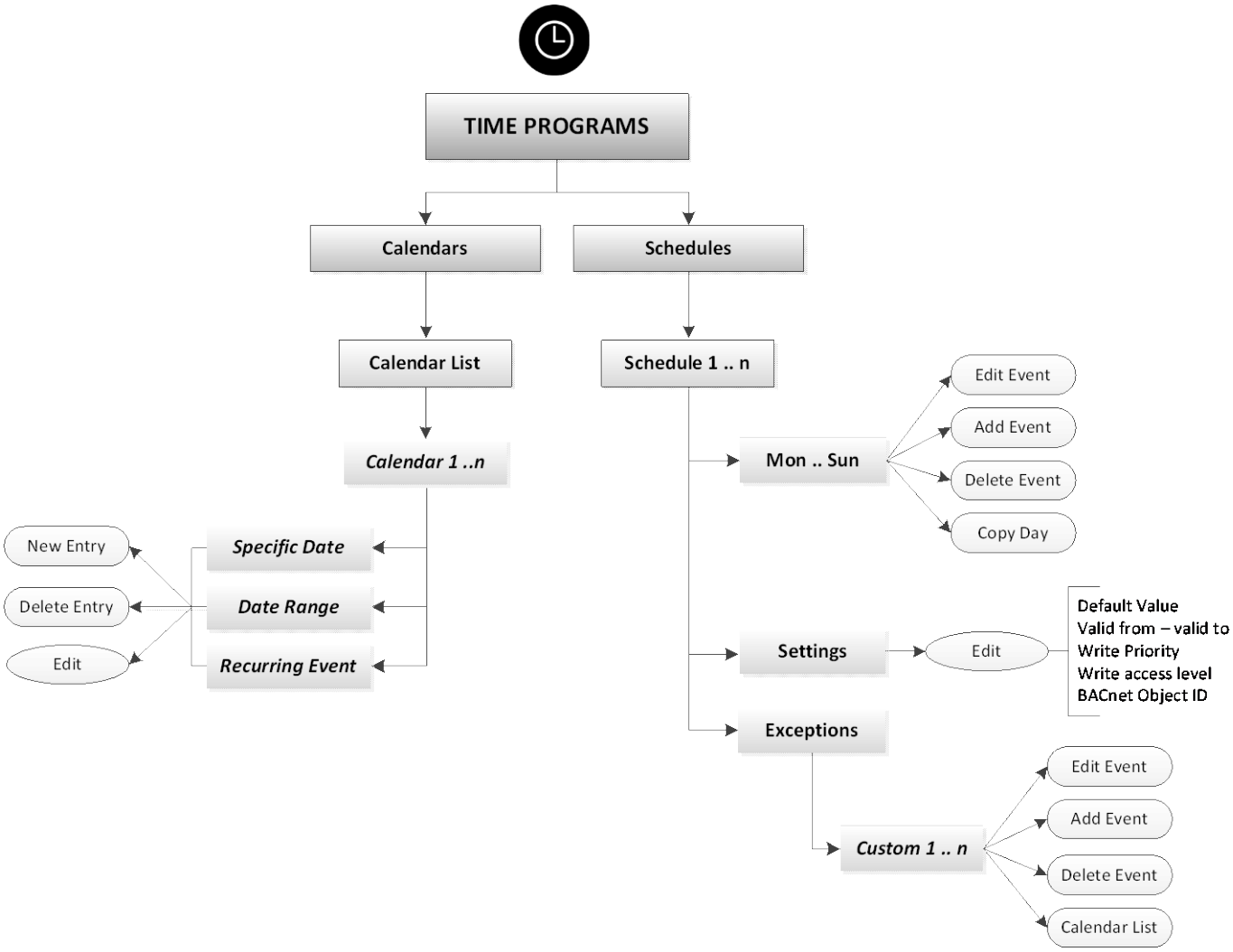


Fig. 10. Operating Schematic: Time Programs

Fast Access Lists

Fast access lists are lists of grouped datapoints and/or parameters mostly representing a logical part of the application. This allows quick access to a particular part of the application via the corresponding datapoints and/or parameters.

Viewing Fast Access Lists

Purpose To quickly edit particular datapoints and/or parameters

Editing can include:

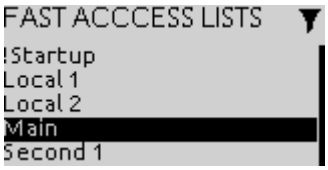
- auto/manu mode toggling of datapoints
- value changes of datapoints and parameters

Procedure

1. In the HOME screen, turn the rotate&push button to navigate to and highlight **Fast Access Lists** ★.

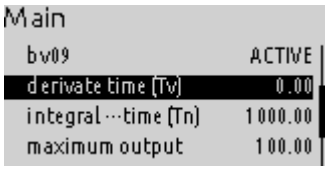
2. Push the rotate&push button.
   The FAST ACCESS LISTS menu is displayed. All fast access lists are displayed by default. To filter for fast access lists belonging to particular plants, apply a filter as described in the "Applying Filter" section.

3. Turn the rotate&push button to navigate to and highlight the fast access list.

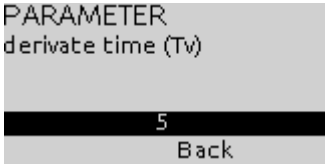


4. Push the rotate&push button.
   The FAST ACCES LIST with its datapoints and/or parameters is displayed. In the left column the name and in the right column the corresponding value/setting is displayed.

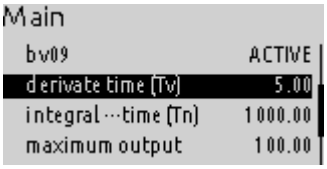
5. To edit a datapoint or parameter, turn the rotate&push button to navigate to and highlight the datapoint or parameter.



6. Push the rotate&push button. The parameter or datapoint value is displayed.



7. Change and save the value as described in the "Adjusting and Saving Values and Options" section.
8. Turn the rotate&push button to navigate to and highlight the **Back** command.
9. Push the rotate&push button. The fast access list re-displays.



NOTE: When updating the controller firmware via CARE, fast access lists, datapoints and parameters will be hidden on the HMI if the read access level of the current HMI user is lower than the read access level specified in CARE.

Alarms

The Alarm menu provides the following functions:

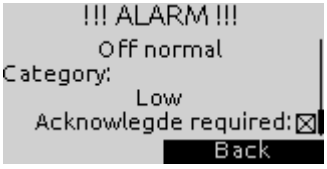
- viewing datapoints in alarm
- viewing alarms including optional acknowledgement of alarms

For …	… refer to the following sections and subsections	… on page
Viewing Datapoints in Alarm	Alarm List – Viewing Datapoints in Alarm	47
Viewing Alarms	Alarm List – Viewing Alarms	48

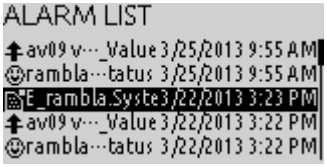
The alarm icon in the HOME screen shows the current alarms that have not been viewed or acknowledged yet by a flashing number. As soon as an alarm has been viewed or acknowledged it will be removed from the counter.

Alarms are displayed on the controller HMI as follows:

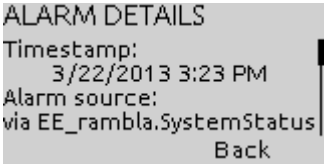
Alarm popup
Shows up immediately when the alarm occurred.



Alarm list
Shows all alarms in a list (alarm buffer)



Alarm details
Shows the details of an alarm such as time stamp, alarm source etc.



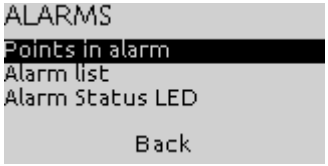
Viewing Datapoints in Alarm

Purpose View any actual points in alarm

Procedure

10. In the HOME screen, turn the rotate&push button to navigate to and highlight **Alarm List** .

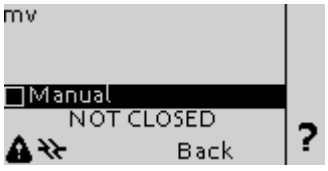
1. Push the rotate&push button.
   The ALARMS menu is displayed. The **Points in alarm** item is highlighted.



2. Push the rotate&push button.
   The DATA POINT LIST screen is displayed. All datapoints that are currently in alarm status, are displayed.

   You can select an alarm for viewing its details and setting it into manual mode.

3. To do so, turn the rotate&push button to navigate to and highlight the data point.
4. Then, push the rotate&push button.
   The details of the datapoint are displayed. Details include the value, auto/manu mode and the status indicator on the left at the bottom.



Depending on their current status, datapoints show any of the following visual status indicators:

Icon	Function
	Datapoint is in "manual mode"
	Datapoint is in "Overridden status"
	Datapoint is in "Alarm status"

Icon	Function
	Datapoint is in alarm status "normal"
	Datapoint is in alarm status "off-normal"
	Datapoint is in alarm status "low-limit"
	Datapoint is in alarm status "high-limit"
	Datapoint is in alarm status "fault"

NOTE: Multiple statuses can be indicated.

To get information on the meaning of a status indicator, you can also press the **Help** soft key.

5. The datapoint can be set into manual or auto mode as described in the "Setting Datapoint into Manual Mode" section.

6. To exit the screen, turn the rotate&push button to navigate to and highlight the **Back** command.
7. Then, push the rotate&push button.
8. Or, press the **Back** operating key on the controller housing.

Viewing Alarms

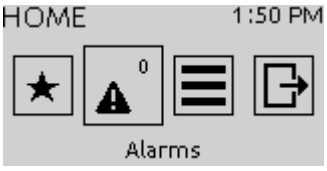
Purpose View any of the following alarm information:

- actual points in alarm
- critical alarms
- non-critical alarms
- alarm buffer (history)

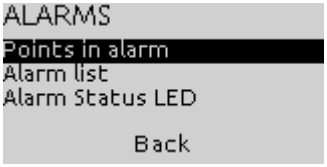
NOTE: The display of the alarms is not distinguished by their different information type.

Procedure

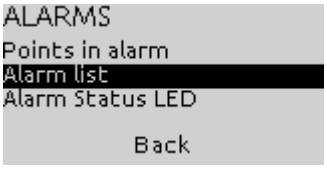
1. In the HOME screen, turn the rotate&push button to navigate to and highlight **Alarm List** .



2. Push the rotate&push button.
   The ALARMS menu is displayed.

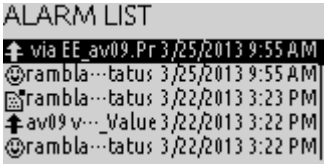


3. Turn the rotate&push button to navigate to and highlight **Alarm list**.



4. Push the rotate&push button.

   The ALARM LIST screen is displayed. All alarms are displayed with their status indicator, alarm source, date, and time.



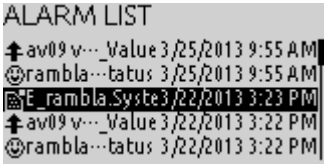
   Depending on their current status, datapoints show any of the following visual status indicators:

Icon	Function
	Datapoint is in "manual mode"
	Datapoint is in "Overridden status"
	Datapoint is in "Alarm status"
	Datapoint is in alarm status "normal"
	Datapoint is in alarm status "off-normal"
	Datapoint is in alarm status "low-limit"
	Datapoint is in alarm status "high-limit"
	Datapoint is in alarm status "fault"

   NOTE: Multiple statuses can be indicated

   You can select an alarm for viewing its details and acknowledging it if acknowledgement is required (according to the datapoint definition in CARE).

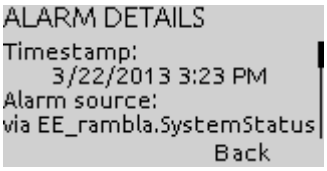
5. To do so, turn the rotate&push button to navigate to and highlight the data point.
6. Then, push the rotate&push button.



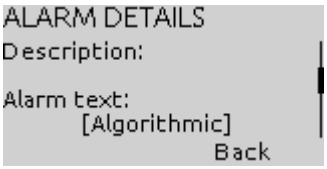
   The details of the alarm are displayed. Details include the following:

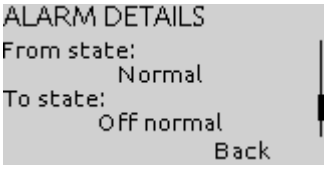
   – time stamp
   – alarm source
     datapoint that causes the alarm
   – Description
     optional text entered in CARE
   – alarm text
     optional text entered in CARE
   – alarm state transition
     normal, to-off-normal, high-limit, low-limit, fault

– category
notification class category: urgent, high, low, journal

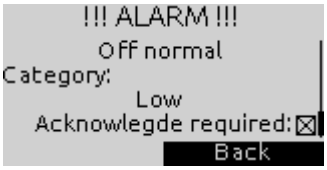


7. Scroll through the list to view all details by turning the rotate&push button.

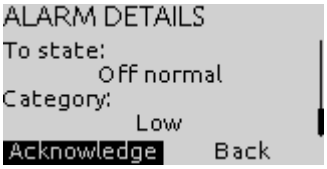




8. Alarms that must be acknowledged are already indicated in the alarm popup by the **Acknowledged required** option.

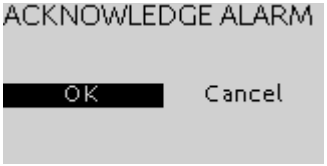


9. To acknowledge an alarm, do any of the following:
   a. exit the alarm popup by turning the rotate&push button to navigate to and highlight the **Back** command.
   b. Then, push the rotate&push button.
   c. Or, if you are already in the ALARM LIST, view the alarm as described in the previous steps.
   d. At the bottom of the ALARM DETAILS screen, highlight the **Acknowledge** command.



   e. Then push the rotate&push button.

   The ACKNOWLEDGE ALARM screen displays. The **OK** command is highlighted.



   f. Push the rotate&push button.

The alarm is acknowledged and removed from the alarm counter. The ALARM LIST screen redisplays.

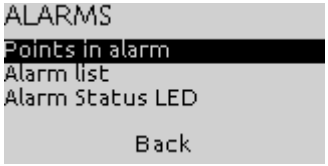
Viewing Status of Alarm LED

Purpose To view triggering alarm causes that are indicated via the red alarm LED on the controller.

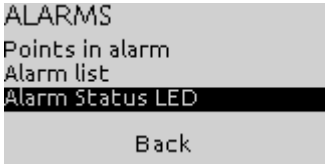
Procedure

1. In the HOME screen, turn the rotate&push button to navigate to and highlight **Alarm List** .

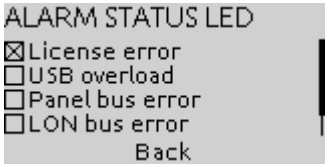
2. Push the rotate&push button.
   The ALARMS menu is displayed.



3. Turn the rotate&push button to navigate to and highlight **Alarm Status LED**.



4. Push the rotate&push button.
   The ALARM STATUS LED screen is displayed. Valid causes are enabled, invalid causes are disabled.



   - License error = invalid or damaged license (contact Honeywell T.A.C department)
   - USB overload = connected USB device draws more than 500 mA
   - Panel bus error = e.g. I/O module missing
   - LON bus error = e.g. I/O module missing
   - Sensor failure = error on universal input which is used by the application (e.g. sensor short, break)

5. To exit the screen, turn the rotate&push button to navigate to and highlight the **Back** command.
6. Then, push the rotate&push button.
7. Or, press the **Back operating key** on the controller housing.

Datapoints

Datapoints can be operated by doing any of the following actions:

- Viewing Datapoints in Manual Mode
- Setting Datapoints into Manual Mode
- Changing Datapoint Values

For …	**… refer to the following sections and subsections**	**… on page**
Viewing Datapoints in Manual Mode	Datapoints – Viewing Datapoints in Manual Mode	52
Setting Datapoints into Manual Mode	Datapoints – Setting Datapoints into Manual Mode	53
Changing Datapoint Values	Datapoints – Setting Datapoints into Manual Mode	53
see also		
Viewing Datapoints in Alarm	Alarm List – Viewing Datapoints in Alarm	47

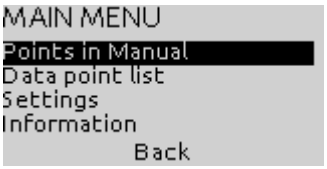
Viewing Datapoints in Manual Mode

Purpose Shows the list of datapoints which are currently in manual mode. Datapoints may have been set into manual mode either via controller HMI or the EAGLE web interface.

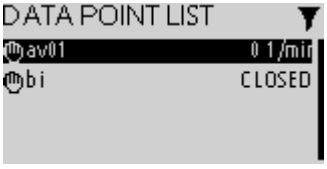
Procedure

1. In the Home screen, turn the rotate&push button to navigate to and highlight **Main Menu** .

2. Then push the rotate&push button. The MAIN MENU is displayed.

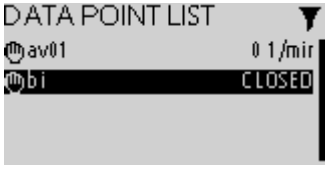


3. Turn the rotate&push button to navigate to and highlight **Points in Manual**.
4. Push the rotate&push button.
   All datapoints that are currently in manual mode are displayed. The manual mode is indicated by the **Manual** command symbol .

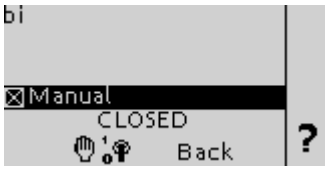


   A datapoint can be set into automatic mode as described in the following.

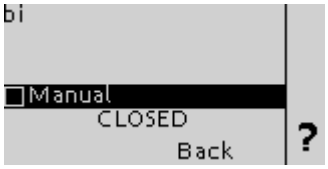
5. To set a datapoint into automatic mode, turn the rotate&push button to navigate to and highlight the datapoint.



6. Push the rotate&push button. The datapoint status is displayed.



7. Push the rotate&push button. The **Manual** checkbox is disabled.



8. Turn the rotate&push button to navigate to and highlight **Back**, or press the Back operating key on the controller housing. The DATA POINT LIST screen redisplays. The edited datapoint is no longer in the list.

NOTE: When updating the controller firmware via CARE, datapoints will be hidden on the HMI if the read access level of the current HMI user is lower than the read access level specified in CARE.

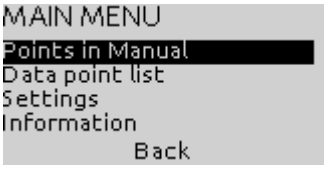
Setting Datapoint into Manual Mode

Purpose Sets a datapoint into manual mode and changes its value.

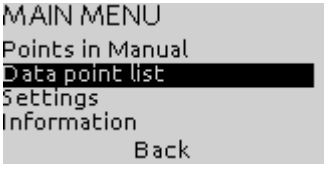
Procedure

1. In the Home screen, turn the rotate&push button to navigate to and highlight **Main Menu**.

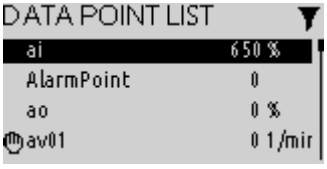
2. Then push the rotate&push button. The MAIN MENU is displayed.



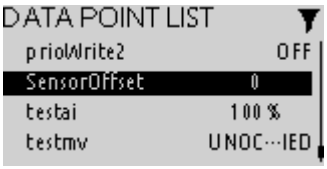
3. Turn the rotate&push button to navigate to and highlight **Data point list**.



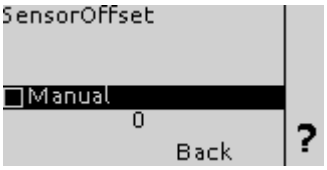
4. Push the rotate&push button.
   The DATAPOINT LIST is displayed.



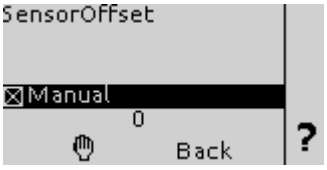
5. To scroll through the list, turn the rotate&push button.
6. Navigate to and highlight the datapoint you want to put into manual mode.



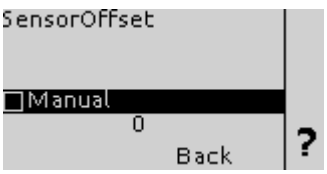
7. Push the rotate&push button. The datapoint status is displayed.



8. Push the rotate&push button.
   If you have the user right to set datapoints into manual mode and you are already logged in, the **Manual** checkbox is enabled.



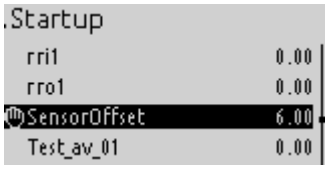
   If you are requested to login, please login as described in the "Login / Entering Password" section. After successful login, the status screen of the datapoint redisplays.



9. Turn the rotate&push button to navigate to and highlight the value.
10. Change the value as described in the "Adjusting and Saving Values and Options" section.

11. Turn the rotate&push button to navigate to and highlight **Back** command, or press the **Back** operating key on the controller housing.

12. The DATA POINT LIST screen redisplays. The datapoint is in manual mode as indicated by the **Manual** command symbol .



Settings

Settings include the following functions:

- Setting language
- Setting date, time and time zone

For …	… refer to the following sections and subsections	… on page
Setting the Language	Setting the Language for Display	55
Setting date, time and time zone	Setting date, time and time zone	56

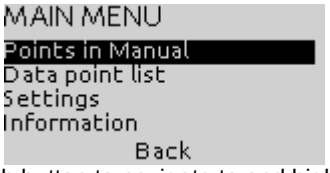
Setting the Language for Display

Purpose Sets the language in which the EAGLE HMI interface is displayed.

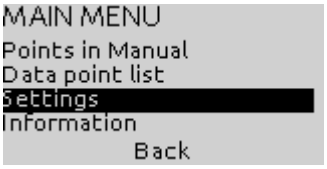
Procedure

1. In the Home screen, turn the rotate&push button to navigate to and highlight **Main Menu** .

2. Then push the rotate&push button. The MAIN MENU is displayed.



3. Turn the rotate&push button to navigate to and highlight **Settings**.

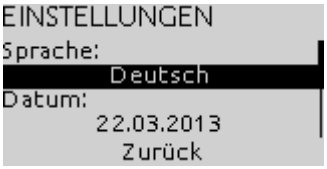


4. Push the rotate&push button.
   The SETTINGS screen is displayed. By default ´English` is selected.

5. To select another language, push the rotate&push button.

   The entry is flashing.

6. Turn the rotate&push button to scroll through the list of languages, and then push the rotate&push button to select a language.
   The screen is instantly displayed in the selected language.



7. Press the **Back** operating key on the controller housing twice to leave the SETTINGS menu and display the HOME menu.

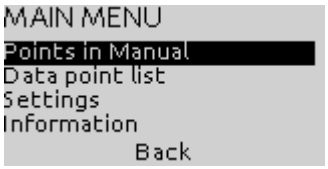
Setting Date, Time and Time Zone

Purpose Sets the date, time and time zone.

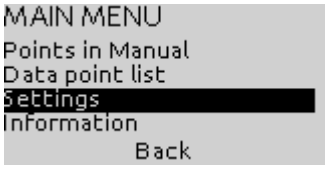
Procedure

1. In the Home screen, turn the rotate&push button to navigate to and highlight **Main Menu** .

2. Then push the rotate&push button. The MAIN MENU is displayed.



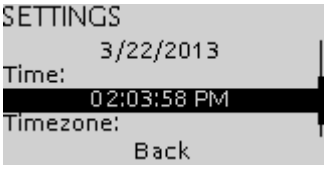
3. Turn the rotate&push button to navigate to and highlight **Settings**.

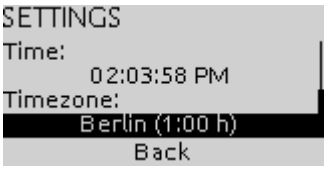


4. Push the rotate&push button.
   The SETTINGS screen is displayed. By default the language is selected .

5. Turn the rotate&push button to navigate to the date, time or time zone option you want to change.

6. Push the rotate&push button, and change the option (Date, Time, Time zone) as described in the "Adjusting and Saving Values and Options" and the "Selecting Items" sections.





7. Press the **Back** operating key on the controller housing twice to leave the SETTINGS menu and display the HOME menu.

Information

Information shows controller specific properties such as:

- Manufacturer
- Product Family
- Model name
- Controller Name
- Device ID
  Object identifier of the BACnet device object. This is a unique ID is issued by CARE for any device on the BACnet bus. If the BACnet device is an EAGLE controller, the device ID is the same as the controller number.

  NOTE:
  When integrating 3rd party BACnet devices, it must be ensured that no identical device IDs exist in the whole BACnet system. For that reason, an offset can be defined. Adding this offset to the controller number generates the device ID.

- SKU Number
  equivalent of the Honeywell OS number
- Serial Number
- Project Name
- IP Address
  IP address of PC to which the controller is connected.
- Neuron ID
- License status
- Firmware version
- BACnet version

For …	… refer to the following sections and subsections	… on page
Viewing information	Viewing Information	58

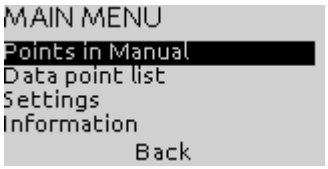
Viewing Information

Purpose Shows controller specific properties such manufacturer, SKU number, etc.

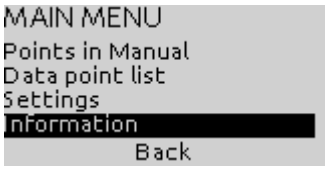
Procedure

1. In the Home screen, turn the rotate&push button to navigate to and highlight **Main Menu** .

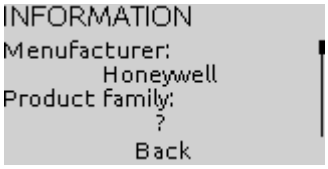
2. Then push the rotate&push button. The MAIN MENU is displayed.



3. Turn the rotate&push button to navigate to and highlight **Information**.



4. Push the rotate&push button.
   The INFORMATION screen is displayed.



5. View the information by turning the rotate&push button.

6. Press the Back operating key on the controller housing twice to leave the INFORMATION menu and display the HOME menu.

TIME PROGRAMS

Calendars and Schedules

Time programs consist of calendars and schedules.

A calendar includes a list of dates. Initially, calendars are created in CARE and downloaded in the controller.

In the controller, you can edit the calendar by doing one of the following:

- Addition of new calendar dates
- Edition and deletion of existing calendar dates

NOTE: You cannot change the name of a calendar and/or create new calendars in the controller.

A schedule includes switch points that switch a datapoint property. Initially, schedules are created in CARE and downloaded in the controller.

In the controller, you can edit the schedule by doing one of the following:

- Creation of new switch points
- Edition, copy and deletion of existing switch points
- Edition of exceptions
- Set and edition of general properties (period, default value)

NOTE: You cannot change the name of a schedule and/or create new schedules or datapoint properties to be switched in the controller.

Time programs can be changed by doing any of the following:

- changing time and value of switch points
- adding new switch points
- copying switch points
- deleting switch points
- editing exceptions by applying any of the above actions to the switch points of the exception

For …	… refer to the following sections and subsections	… on page
For working with calendars	Calendars	60
For working with schedules	Schedules	67

Calendars

Via exceptions which reference to a project-wide calendar, CARE provides global scheduling because calendar dates are executed in each controller of the project which references to the calendar. Changes in multiple particular controller schedules can be quickly made by simply changing the referenced calendar.

The schedule-calendar reference provides specific scheduling of a plant by parallel access to the project-wide calendar data.

NOTE: When updating the controller firmware via CARE, calendars will be hidden on the HMI if the read access level of the current HMI user is lower than the read access level specified in CARE.

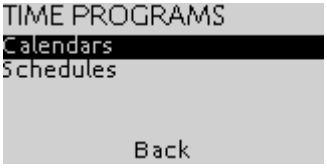
Adding Calendar Date

Purpose Add a calendar date to the calendar. A calendar date can be one of the following types:

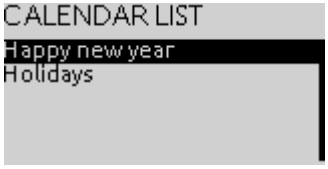
- Specific Date
  Time period is one specific date (day, month, year) is to be defined, e.g. Christmas Eve or 5.5., the whole of May, or the whole year of 2013.
- Date Range
  Time period is a date range is to be defined, e.g. Summer holidays from 29.7-7.9.2013.
- Recurring Event
  Time period is a recurring event is to be defined, e.g. every last Friday of every month

Procedure

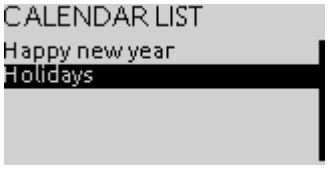
1. On the controller housing, press the **Time Program** operating key . The TIME PROGRAMS menu displays.



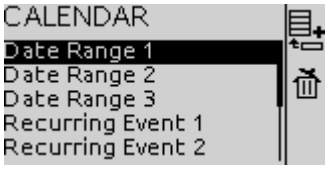
2. Turn the rotate&push button to navigate to and highlight **Calendars**.
3. Push the rotate&push button to. The CALENDAR LIST menu is displayed.



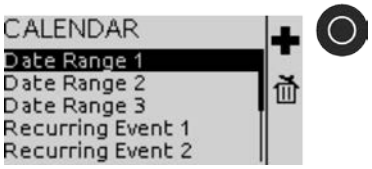
4. Turn the rotate&push button to navigate to and highlight the calendar, e.g. ´Holidays`.



5. Push the rotate&push button. The CALENDAR menu is displayed showing all calendar entries.

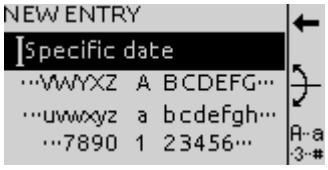


6. To add a new entry, press the topmost soft key adjacent to the **Add** command symbol ✚.

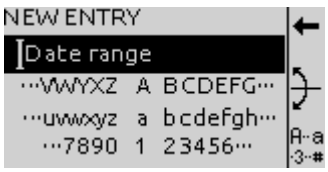


The NEW ENTRY screen displays. Here you can select the entry type from date range, specific date and recurring event.

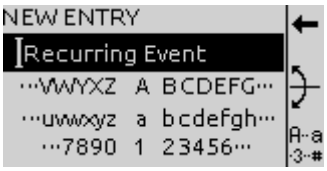
7. Turn the rotate&push button to navigate to and highlight the type of date, and then push the rotate&push button. The corresponding screen for editing the name of the date displays.



   a. If **Specific date** is selected, please continue with step 8.



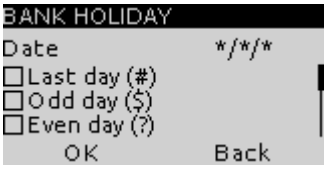
b. If **Date range** is selected, please continue with step 12.



c. If **Recurring event** is selected, please continue with step 19.

8. Edit the name of the date as described in the "Editing Text of New Entry" section.

9. Push the rotate&push button. The following screen displays.

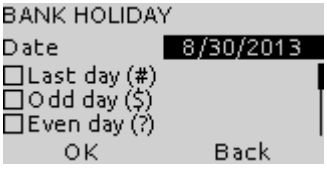


By default, the date is set to every day, every month, every year as indicated by the three asterisks *** in the **Date** field.

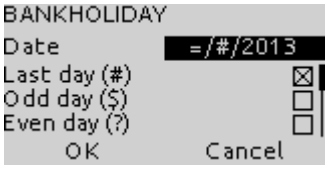
10. You can set the specific date in one of the following ways:
    a. Turn the rotate&push button to navigate to and highlight the date. Then, select the date in the calendar as described in the "Scrolling through Calendar" section
    b. Enable or disable the desired options as described in the "Enabling/Disabling Options" section or set date.

Examples:

- Setting date to current date
  To do so, disable all options. The current date is displayed.

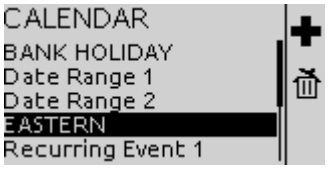


- Setting date to every last day, of every month, of every year
  To do so, disable Last day (#) and every month (*), disable every year (*). The date is indicated as follows:

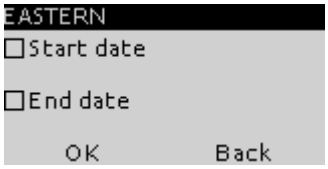


11. Finish with step 26.

12. Edit the name of the date as described in the "Editing Text of New Entry" section.

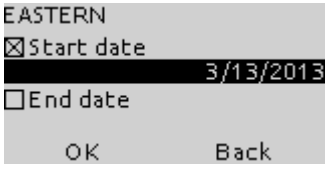


13. Push the rotate&push button. The following screen displays.



14. Turn the rotate&push button to navigate to and highlight **Start date**. Then push the rotate&push button to enable the **Start date** option.

    The current date is displayed.

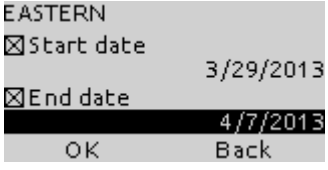


15. Turn the rotate&push button to navigate to and highlight the date. Then push the rotate&push button.

    A calendar is displayed.

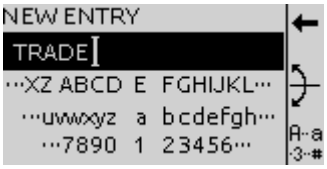
16. Set the date as described in the "Scrolling through Calendar" section.

17. Set the **End date** in the same way.



18. Finish with step 26.

19. Edit the name of the date as described in the "Editing Text of New Entry" section.



20. Push the rotate&push button. The following screen displays.

21. Turn the rotate&push button to navigate to and highlight the **Week** field.

22. Then push the rotate&push button.
23. Select the weekly option by turning the rotate&push button.

24. Adjust the weekly option by pushing the rotate&push button.

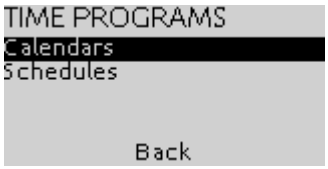
25. Set the Day and Month dates in the same way.
26. Turn the rotate&push button to navigate to and highlight the **OK** command.
27. Push the rotate&push button to save settings.

Editing Calendar Date

Purpose Edit the name and/or the settings of a calendar date.

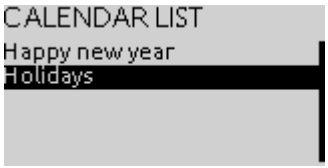
Procedure

1. On the controller housing, press the time program operating key . The TIME PROGRAMS menu displays.

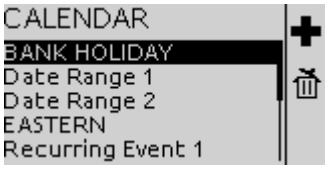


2. Turn the rotate&push button to navigate to and highlight **Calendars**.
3. Push the rotate&push button to. The CALENDAR LIST menu is displayed.

4. Turn the rotate&push button to navigate to and highlight the calendar, e.g. ´Holidays`.

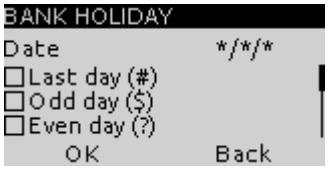


5. Push the rotate&push button. The CALENDAR menu is displayed showing all calendar dates.



6. To edit a date, turn the rotate&push button to navigate to and highlight the date.
7. Then push the rotate&push button.

   The properties screen of the date displays. Its name is highlighted.



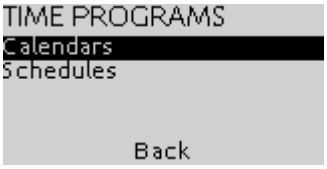
8. To edit the name, push the rotate&push button and change the name as described in the "Editing Text of New Entry" section.
9. To edit the date settings, please proceed as described in the corresponding steps in the "Add New Calendar Date".

Deleting Calendar Date

Purpose Delete a date from the calendar.

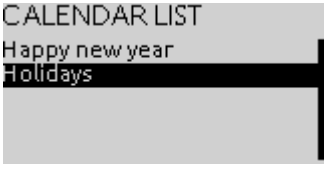
Procedure

1. On the controller housing, press the time program operating key . The TIME PROGRAMS menu displays.

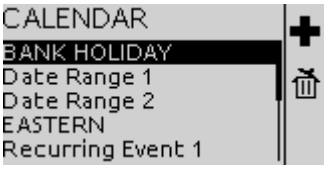


2. Turn the rotate&push button to navigate to and highlight **Calendars**.
3. Push the rotate&push button to. The CALENDAR LIST menu is displayed.

4. Turn the rotate&push button to navigate to and highlight the calendar, e.g. ´Holidays`.



5. Push the rotate&push button. The CALENDAR menu is displayed showing all calendar dates.

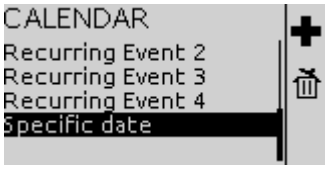


6. Turn the rotate&push button to navigate to and highlight the date you want to delete, e.g. ´TRADE`.

7. On the controller housing, press the soft key right to the **Delete** command symbol .

The DELETE ENTRY screen displays.

8. Push the rotate&push button.
   The date is deleted from the Calendar.



Schedules

On a weekly basis, each schedule specifies a datapoint or a list of multiple datapoints. Each datapoint includes switch points to command the present value of the datapoint (switched properties). The week program defines the normal daily activity of the system by specifying which switch points are to be commanded each day of the week. The week program applies to a definable time period. There is only one week program per schedule.

Besides the week program, specific programs called exceptions can be created. Exceptions have higher priority than the week program and will overwrite the week program for a definable time period. Exceptions can have one of the following time periods:

- Specific Date
  e.g. Christmas Eve or 5.5., the whole of May, or the whole year of 2013
- Date Range
  e.g. Summer holidays from 29.7-7.9.2013
- Recurring Event
  e.g. every last Friday of every month
- Calendar Reference
  A project-wide calendar provides dates, e.g. regional holidays and public/religious festivals or any other particular date. The time period can be a specific date, a date range or a recurring event.

  NOTE: When updating the controller firmware via CARE, schedules will be hidden on the HMI if the read access level of the current HMI user is lower than the read access level specified in CARE.

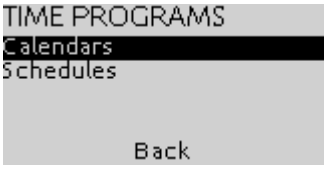
Set / Edit General Schedule Properties

Purpose Set or edit general schedule properties such as the default value and the time period for which the schedule is valid. In addition, the write priority, write access level and BACnet object ID can be viewed.

NOTE: The name of the schedule cannot be changed.

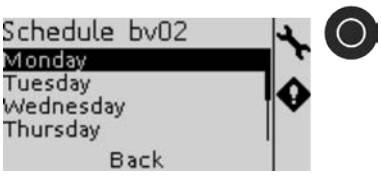
Procedure

1. On the controller housing, press the **Time Program** operating key . The TIME PROGRAMS menu displays.

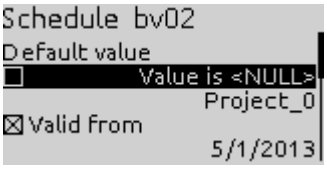


2. Turn the rotate&push button to navigate to and highlight **Schedules**.

3. Push the rotate&push button. The schedule is displayed.
4. Press the softkey adjacent to the **Settings** command symbol .

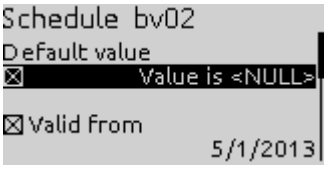


The settings of the schedule are displayed. Here you can set or edit the default value and the valid period.

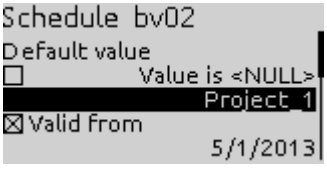


5. To edit the default value do one of the following:

   a. Turn the rotate&push button to navigate to and highlight **Value is <NULL>**.
   b. Then, enable the option by pushing the rotate&push button.



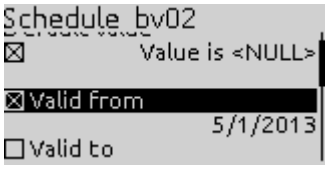
   c. Or, turn the rotate&push button to navigate to and highlight the value.
   d. change the value by turning the rotate&push button
   e. adjust the value by pushing the rotate&push button



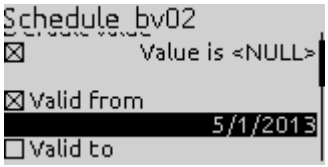
NOTE: The schedule default value is used at 00.00 (twelve midnight) as present value of all switched properties (switch points) when no other value is in effect. The schedule default value can be NULL or any value, for example, ´value in %` for analog outputs, or ´running` for digital outputs. The NULL value removes the

current value entry of the switched properties from the priority array. Then the next lower value in the priority array becomes the present value of the switched properties.

6. Turn the rotate&push button to navigate to and highlight **Valid from** (start date of valid period).
7. Enable the option by pushing the rotate&push button.



8. Turn the rotate&push button to navigate to and highlight the date**.**

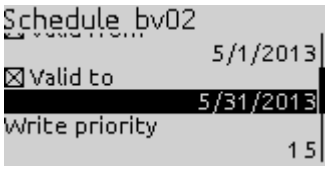


9. Push the rotate&push button.

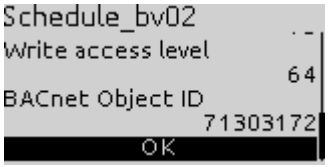
   A calendar displays.

10. Select the date in the calendar as described in the "Scrolling through Calendar" section.

11. Set or edit the Valid to (end date) part of the valid period in the same way as the Valid from part.



12. Turn the rotate&push button to navigate to and highlight the **OK** command.



13. Push the rotate&push button to save settings.

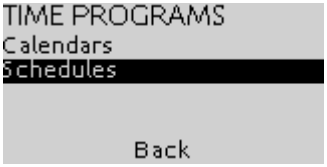
Adding Switch Point

Purpose Add a switch point to a day which is part of the schedule.

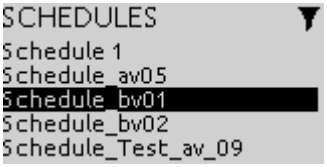
Procedure

1. On the controller housing, press the time program operating key . The TIME PROGRAMS menu displays.

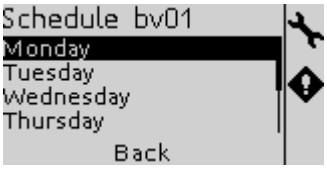
2. Turn the rotate&push button to navigate to and highlight **Schedules**.



3. Push the rotate&push button. The list of SCHEDULES is displayed.
4. Turn the rotate&push button to navigate to and highlight the schedule to which you want to add switch points.



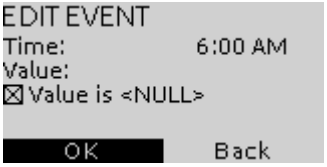
5. Push the rotate&push button.
   The schedule is displayed.



6. Turn the rotate&push button to navigate to and highlight the day.
7. Push the rotate&push button.
   The day is displayed.

8. On the controller housing, press the soft key right adjacent to the **Add** command symbol ✚.
   The EDIT EVENT screen is displayed.

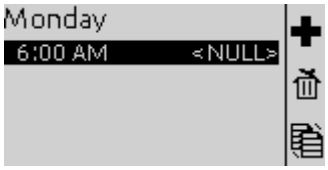
9. Set the time and value as described in the "Adjusting and Saving Values and Options" section and the "Enable/Disabling Options" sections.



10. Turn the rotate&push button to navigate to and highlight the OK command.

11. Push the rotate&push button.

    The screen of the day redisplays. The switch point is added and displayed in the list.



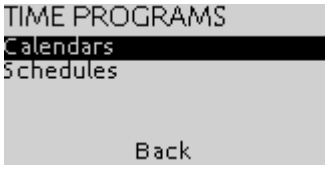
12. Add further switch points in the same way.

Copying Switch Point

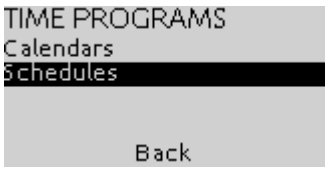
Purpose Copy a switch point from one day to other days.

Procedure

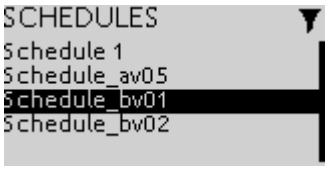
1. On the controller housing, press the **Time Program** operating key . The TIME PROGRAMS menu displays.



2. Turn the rotate&push button to navigate to and highlight **Schedules**.

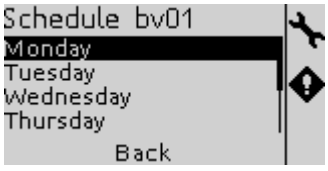


3. Push the rotate&push button. The list of SCHEDULES is displayed.
4. Turn the rotate&push button to navigate to and highlight the schedule to which you want to add switch points.



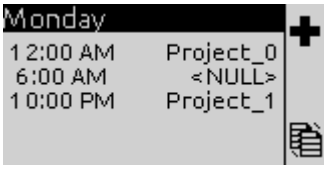
5. Push the rotate&push button.

   The schedule is displayed.

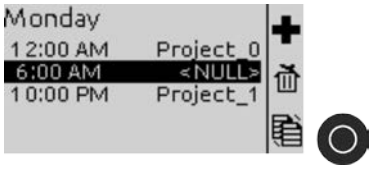


6. Turn the rotate&push button to navigate to and highlight the day.
7. Push the rotate&push button.

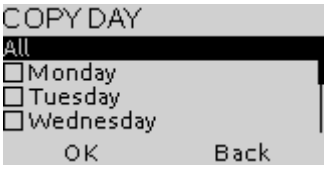
   The day with its switch points is displayed.



8. Turn the rotate&push button to navigate to and highlight the switch point you want to copy.
9. On the controller housing, press the soft key right adjacent to the **Copy** command symbol .



The COPY DAY screen is displayed.



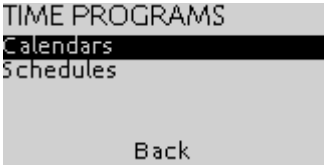
10. Copy the switch point as described in the "Copying Items" section.

Editing Switch Point

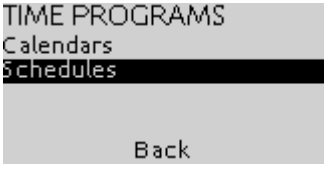
Purpose Copy a switch point from one day to other days.

Procedure

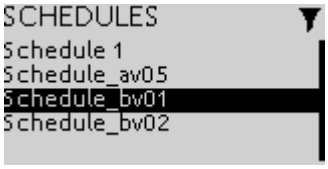
1. On the controller housing, press the **Time Program** operating key . The TIME PROGRAMS menu displays.



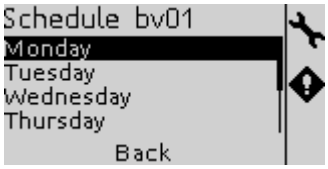
2. Turn the rotate&push button to navigate to and highlight **Schedules**.



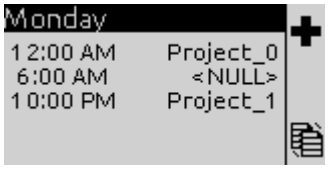
3. Push the rotate&push button. The list of SCHEDULES is displayed.
4. Turn the rotate&push button to navigate to and highlight the schedule to which you want to add switch points.



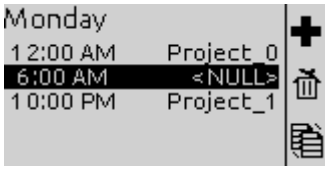
5. Push the rotate&push button.
   The schedule is displayed.



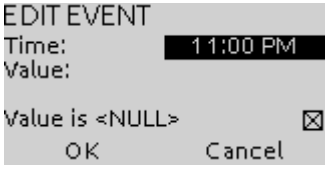
6. Turn the rotate&push button to navigate to and highlight the day.
7. Push the rotate&push button.
   The day with its switch points is displayed.



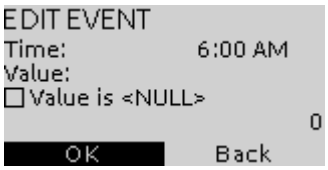
8. Turn the rotate&push button to navigate to and highlight the switch point you want to edit.



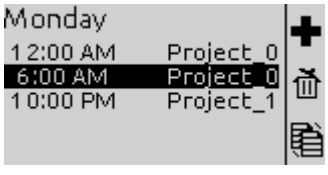
9. Push the rotate&push button.
   The EDIT EVENT screen is displayed.



10. Set the time and value as described in the "Adjusting and Saving Values and Options" section and the "Enable/Disabling Options" sections.



11. Turn the rotate&push button to navigate to and highlight the **OK** command.
12. Push the rotate&push button.
    The screen of the day redisplays showing the changed switch point.

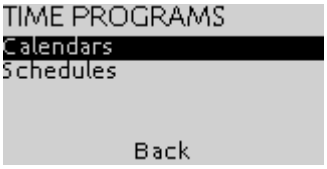


Deleting Switch Point

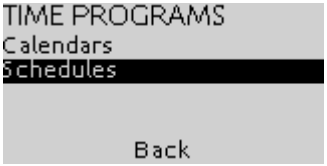
Purpose Delete a switch point.

Procedure

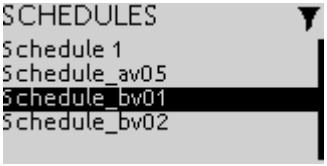
1. On the controller housing, press the **Time Program** operating key . The TIME PROGRAMS menu displays.



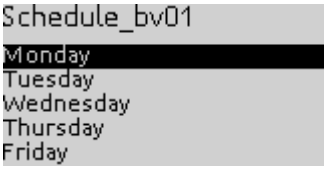
2. Turn the rotate&push button to navigate to and highlight **Schedules**.



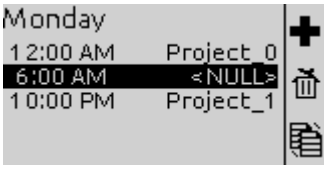
3. Push the rotate&push button. The list of SCHEDULES is displayed.
4. Turn the rotate&push button to navigate to and highlight the schedule to which you want to add switch points.



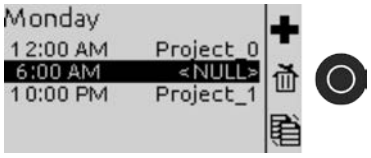
5. Push the rotate&push button.
   The schedule is displayed.



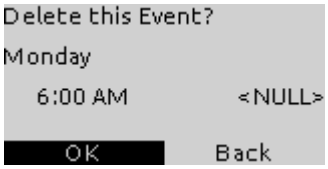
6. Turn the rotate&push button to navigate to and highlight the day.
7. Push the rotate&push button.
   The day with its switch points is displayed.
8. Turn the rotate&push button to navigate to and highlight the switch point you want to delete.



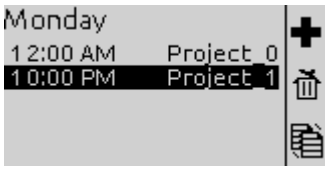
9. On the controller housing, press the soft key right adjacent to the **Delete** command symbol .



The DELETE THIS EVENT screen is displayed.



10. Push the rotate&push button.
11. The switch point is deleted and the screen of the day redisplays.



Editing Exception

As the schedule itself, exceptions include switch points that switch a datapoint property. Initially, exceptions are created in CARE and downloaded in the controller.

Purpose In the controller, you can edit the exception by doing one of the following:

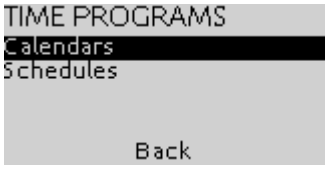
- Creation of new switch points
- Edition, copy and deletion of existing switch points

NOTE: In the controller, you cannot:

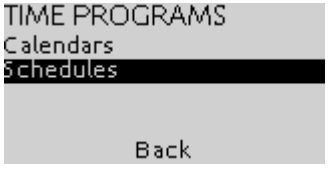
- change the name of a schedule
- create new schedules

Procedure

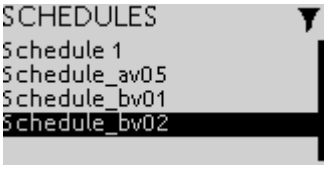
1. On the controller housing, press the **Time Program** operating key . The TIME PROGRAMS menu displays.



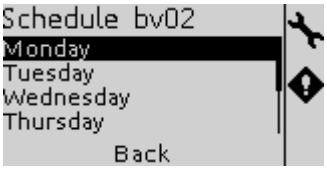
2. Turn the rotate&push button to navigate to and highlight **Schedules**.



3. Push the rotate&push button. The list of SCHEDULES is displayed.
4. Turn the rotate&push button to navigate to and highlight the schedule to which you want to add switch points.



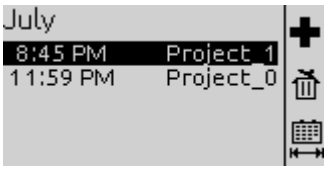
5. Push the rotate&push button.
   The schedule is displayed.



6. Press the soft key adjacent to the **Exceptions** command symbol .
   The EXCEPTIONS menu is displayed.

7. Turn the rotate&push button to navigate to and highlight the exception you want to edit.

8. Push the rotate&push button.
   The switch points of the exception are displayed.



   Do any or many of the following:

   – create new switch points (see "Adding Switch Point" section, p. 69)
   – edit switch points (see "Editing Switch Point" section, p. 72)
   – change the valid period of the exception (see "Setting Valid Period for Exception" section, p. 35)

User Options

User Access Levels

In CARE, password dependent user access levels are defined for particular functions within the application.

The predefined access levels are arranged hierarchically and the sequence with descending priority is as follows:

- System Administrator (128)
- Project Administrator (115)
- Building Engineer (96)

- Operator (64)
- Tenant (32)
- Guest (0)

Example:

When assigning ´Operator` to ´Create & Delete Calendars`, a user having a user (access) level below ´Operator`, for example ´Tenant` or ´Guest`, is not able to create and delete calendars. A user having a user level equal to or higher than ´Operator`, for example ´Building Engineer` or ´Project Admin` is able to create and delete calendars.

NOTE: When creating a project in CARE, the System Admin level is automatically assigned to the user who has created the project. Only the user who has System Admin user level can create new users and edit or delete existing users.

IMPORTANT

If you have forgotten the password, please contact your local partner.

For detailed information about the access level features, please refer to the User Access Manager chapter in the CARE User Guide EN2Z-0937GE51.

By default, all information with the lowest access level (no password needed) is displayed in the screens. To access a higher level, login by entering the corresponding password is required.

The **User Options** menu provides the following functions:

- Logout
- Change password
- Auto logout delay
- User details

For …	**… refer to the following sections and subsections**	**… on page**
Login	Basic Operation Procedures – Login/Entering Password	14
Logout	Basic Operation Procedures – Logout	15
Change password	Login / User Options – Modifying Password	78
Auto logout delay	Basic Operation Procedures – Setting Auto Logout delay	16
User details	Login / User Options – Viewing User Details	77

Viewing User Details

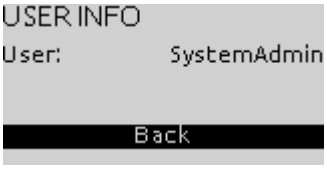
Procedure

1. In the HOME screen, turn the rotate&push button to navigate to and highlight **Login / User Options** .

2. Push the rotate&push button. The USER INFO menu displays. **Logout** is highlighted.

3. Turn the rotate&push button to navigate to and highlight **User details**.

4. Push the rotate&push button. The USER INFO screen displays. The user name and the access level are displayed.



5. Push the rotate&push button. The USER OPTOINS menu re-displays.

Modifying Password

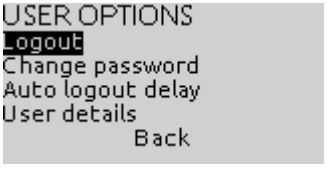
Prerequisites For modifying a password, you must:

- be logged in
- have ´SystemAdmin` access level or at least a user level higher than the user of which password you want to change.

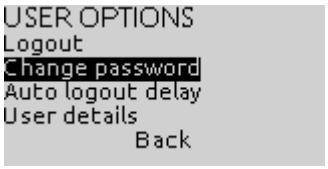
Procedure

1. In the Home screen, turn the rotate&push button to navigate to and highlight **Login / User Options**.

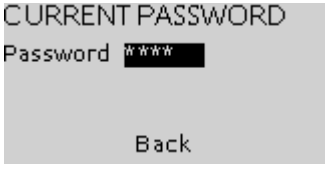
2. Then push the rotate&push button.
   The USER OPTIONS menu displays.



3. Turn the rotate&push button to navigate to and highlight **Change password**. Then push the rotate&push button.



The CURRENT PASSWORD screen displays.

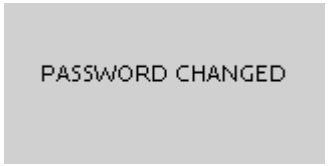


4. In the CURRENT PASSWORD screen, enter the current password as described in the “Login / Entering Password” section, step 4 et seq.

The NEW PASSWORD screen displays.

5. In the NEW PASSWORD screen, enter the new password twice as described in the “Login / Entering Password” section, step 4 et seq.

The following screens display consecutively.



FIRMWARE UPGRADE

When updating the controller firmware via CARE, data points, fast access lists, calendars, schedules, and parameters will be hidden on the HMI if the read access level of the current HMI user is lower than the read access level specified in CARE.

TROUBLESHOOTING

The power and status LEDs at the EXCEL WEB II controller indicate the controller´s statuses and allows troubleshooting. Please refer to the following tables that describe the behavior, meaning and necessary action to check status and solve errors and/problems.

Power LED (green)

	Power LED Behavior	Meaning	Action
1	ON	Normal operation	No action necessary
2	OFF	Power supply not OK	Check power supply voltage / wiring

Status / Alarm LED (red)

	LED Behavior	Meaning	Service Action
1	LED remains OFF after power-up	Normal operation	➢ No action necessary
2	LED is lit continuously after power-up	The controller has encountered a hardware problem or The application has a fault or The controller has been powered up without an application or The operator has manually stopped the application, e.g., using XW-Online. In this case, the LED will light up 13 minutes after power-up without application	➢ Try powering down and then powering up the XCL8010. ➢ If problem persists, check and – if necessary – reload the application. ➢ If problem still persists, replace hardware

Rx Tx **RS485-1 Send (Tx) / Receive (Rx) LED (yellow)**

	RS485-1 LED Behavior	Meaning	Action
1	Both LEDs are flashing	Normal operation, RS485-1 is functioning properly	➢ No action necessary
2	Both LEDs are OFF	No RS485-1 communication	➢ Check RS485-1 termination switch
3	Rx Led is flashing and Tx is OFF	RS485-1 communication is switched off but controller is receiving data from other controllers	➢ Switch on RS485-1 communication via the CARE PC tool. Hardware may be defect if this does not work
4	Tx Led is flashing and Rx is OFF	Controller is trying to establish a RS485-1 connection but there is no answer	➢ RS485-1 baud rate is not correct; other controller may have the same device number on RS485, wiring problem or hardware defect

L1, L2 **Application LEDs (yellow)**

NOTE: The LED can be used to display application-dependent status information like “Cooling Mode”, “Heating Mode”, “Service Interval” etc.

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