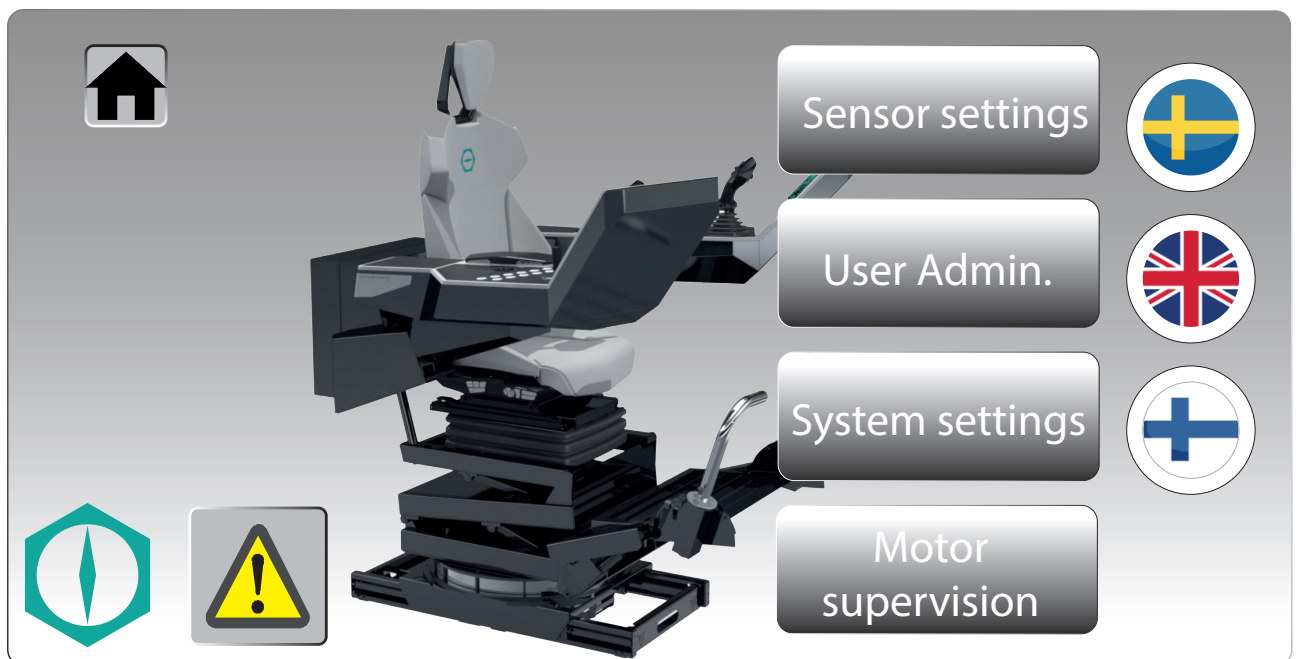




Spohn+Burkhardt

Elektrotechnische Fabrik Blaubeuren

Memory System



Bedienungsanleitung Operating Instructions

Sprachen/Languages

Deutsch – Originalbetriebsanleitung	3
English – translation of original operating instructions.....	21

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1. Safety

1.1. Documentation

These operating instructions are part of the product and contain important information on the operation of the memory system as well as the electrical adjustment of the seat. The operating instructions must always be available, in a legible condition, to the related user for the service life of the device.

1.2. Intended use

The devices described in these operating instructions are used as part of an overall system or machine. It is the responsibility of the operating organization to ensure safe, correct overall function.

Intended use always requires that all work with and on the device is undertaken based on this documentation.

The operating organization must ensure that persons who work with and on the device have read and understood these operating instructions.

These operating instructions must always be available in a legible state to all persons who work with and on the device

The manufacturer will not accept **any liability** for damage due to abnormal use, or unauthorized modifications to the device that cause injuries or damage.

1.3. Specialist personnel

All tasks on the device, as well as the integration of the device into systems and machines, are only allowed to be undertaken by trained specialist personnel authorized and trained by the operating organization.

Only specialist personnel who are able to undertake the necessary tasks due to their training, instruction and knowledge of applicable standards, laws, provisions, accident prevention regulations and safety rules are allowed to be authorized.

Work that requires specialist knowledge, e.g. of electrical engineering, mechanics or pneumatics, must be undertaken by specialists with appropriate qualifications.

By using the device as intended you will prevent injury and damage to the device and its components!

1.4. Classification of safety instructions

Hazards are classified in this documentation based on ISO 3864-2 and ANSI Z535.6 as follows:



Danger!

Serious injuries or fatality may occur if ignored.



Caution!

Minor injuries may occur if ignored.



Attention!

Damage to the device and items in the surrounding area as well as malfunctions may occur if ignored.



Note

Additional information.

1.5. Safety instructions

During all work on and with the device, always pay attention to the following safety instructions. It is the responsibility of the operating organization to ensure that the following safety instructions are observed and met by all persons who work with and on the device.



Hazard due to electric shock!

Before all work on the device, pay attention to the five safety rules in the following order:

- Disconnect from the supply of electrical power.
- Secure against switching back on.
- Check there is no electrical power present.
- Earth and short circuit.
- Cover or cordon off neighboring, electrically live parts.



Crushing hazard!

All electrically adjustable parts of the control stand will move if saved working positions are retrieved. Make sure that there are no limbs in the movement area of the electrically adjustable parts.



Crushing hazard!

During the adjustment of the horizontal console position, there is a crushing hazard between the console and the switch cabinet. During the adjustment of the horizontal console position, make sure your arm is not in the space between the console and the switch cabinet.



Crushing hazard!

With the bull's horns (footrests) folded up there is a crushing hazard during the adjustment of the consoles in the end position at the front and bottom.



Hazard due to work undertaken improperly!

Hazards will arise for persons and the device may be damaged by work undertaken improperly and unauthorized modifications to the control stand.

Spohn & Burkhardt will not accept any liability for damage caused by work undertaken improperly or unauthorized modifications to the control stand.

We strongly recommend having all work on the device undertaken by **Spohn & Burkhardt**.



Danger!

Spare parts must comply with the technical standard specified by the manufacturer. Use only original spare parts for your own safety.



Danger!

The Administrator code gives you access to the control stand's main menu. Using the main menu you can add, delete and change operator codes. No other settings (factory settings) are allowed to be changed.



Danger!

To prevent injuries,

- Persons must not stand in the rotating and swiveling area or the linear movement area of the control stand
- No objects are allowed to be stored in the rotating and swiveling area of the control stand
- The adjusting features of the control stand are not allowed to be actuated during operation.



Caution!

The correct function of the control stand must be checked each time before starting work.



Caution!

To prevent long-term harm or signs of fatigue due to an incorrect working position, adjust to the working position optimal for you before starting work.



Note

The control stand is equipped with an emergency stop button (touch-button on the memory system display) to prevent injury or damage to the control stand.

Press the emergency stop button if there are anomalies or malfunctions.

2. Description

The memory system makes it possible to save the electrically adjustable positions of the driver's seat using a personal code.

It is possible to save 5 working positions for up to 30 operators and open them as necessary via the touchscreen in the console on the control stand.

The memory system is also equipped with monitoring and alarm functions as well as an EMERGENCY STOP button.

Further functions are available in the administrator area:

- Configure system settings
- Add, change, delete operator codes.
- Specify movement limits for the seat.
- Monitor motors and motor cards.
- Open error messages.

3. Operation



Danger!

All tasks on the device are only allowed to be undertaken by specialist personnel taking into account the relevant safety regulations. Always pay attention to the safety instructions in *chapter 1. "Safety", page 22.*



Note

The function of the controls, joysticks and monitors corresponds to the related requirements of the operating organization for each variant.

For information on operation, refer to the related documentation and the instructions from the operating organization.

The working position is adjusted electrically using rocker switches (5) on the right console (3) and manually using levers and buttons as well as adjusting wheels on the seat (1). The electrical settings can be saved using the memory system and retrieved at any time using the related operator code. The operator code is entered using the display (6) for the memory system. The working positions saved for the related operator code are indicated on the display (6) for the memory system and can be selected.



Caution!

The working position is not allowed to be adjusted during operation.

3.1. Working position adjustment – electrical

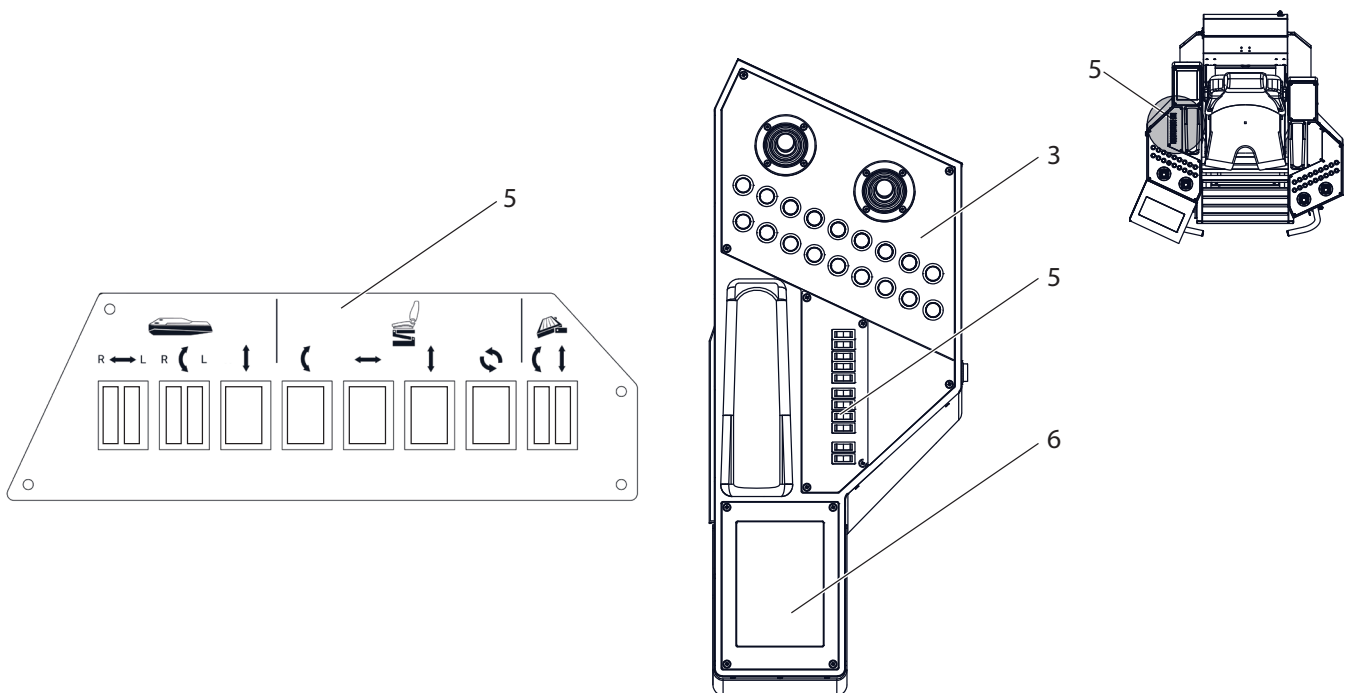


Figure 1. Controls – working position adjustment



Note

If your specific working positions are saved in the memory system, enter your operator code and select the required working position, see section 3.2.3 "Retrieving saved working position", page 30.

1. Press the rocker switches (5) to adjust the working position as follows.

		Press the rocker switch (R) to move the right console forward or backward. Press the rocker switch (L) to move the left console forward or backward.
		Press the rocker switch (R) to move the right console up or down. Press the rocker switch (L) to move the left console up or down.
		Press the rocker switch to move the consoles up or down.
		Press the rocker switch to tilt the seat forward or backward.
		Press the rocker switch to move the seat forward or backward.
		Press the rocker switch to raise or lower the seat.
		Press the rocker switch to rotate the seat to the left or right.
		Press the rocker switch to incline the footrest up or down.
		Press the rocker switch to raise or lower the footrest.

3.2. User functions

3.2.1. User login



Figure 2. Memory system display – logging in and save working position (actual product may vary from figure)

At the start of operation, the start screen appears initially on the display (6). To log in as an operator, proceed as follows:

1. Press the "User" touch-button (6.1) on the display (6).
 - A numeric keypad (6.2) appears on the display (6).
2. Enter the 4-digit operator code using the numeric keypad (6.2) and accept the operator code using the "Enter" touch-button (6.4).

The functions for the operator are now available.

3.2.2. Saving working position

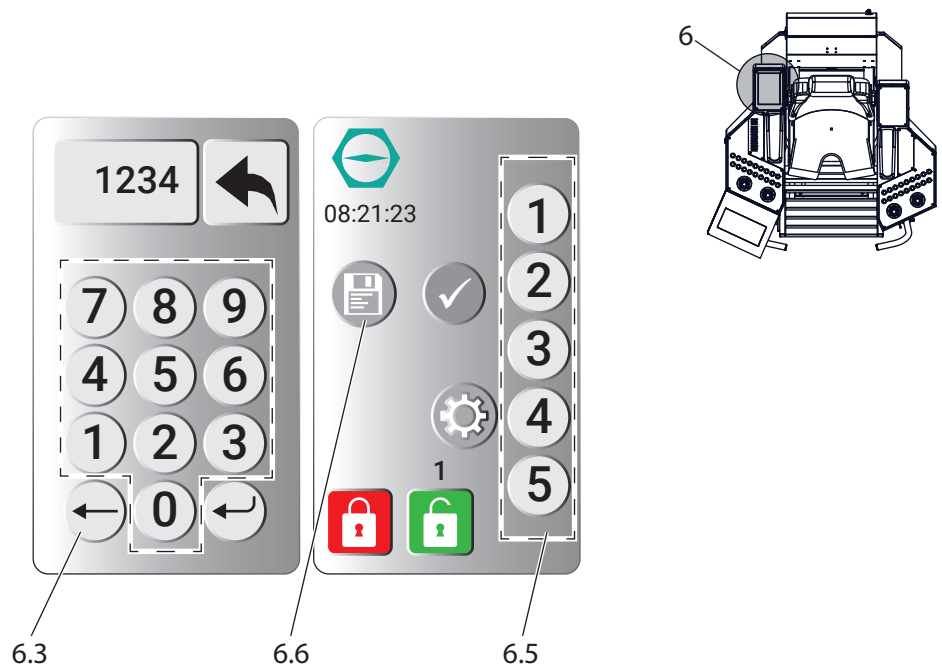


Figure 3. Memory system display – logging in and save working position (actual product may vary from figure)

Save your working positions as follows:

1. Press the "User" touch-button (6.1) on the display (6).
 - A numeric keypad (6.2) appears on the display (6).
2. Enter the 4-digit operator code using the numeric keypad (6.2) and accept the operator code using the "Enter" touch-button (6.4).



Note

You can correct any typing errors using the "Back" touch-button (6.3).

3. Set the required working position as per section 3.1 "Working position adjustment – electrical", page 26.
4. Press one of the touch-buttons 1 to 5 (6.5) to assign a number to the working position set.
5. Press the "Save" touch-button (6.6) to save the working position set under the number selected.

3.2.3. Retrieving saved working position

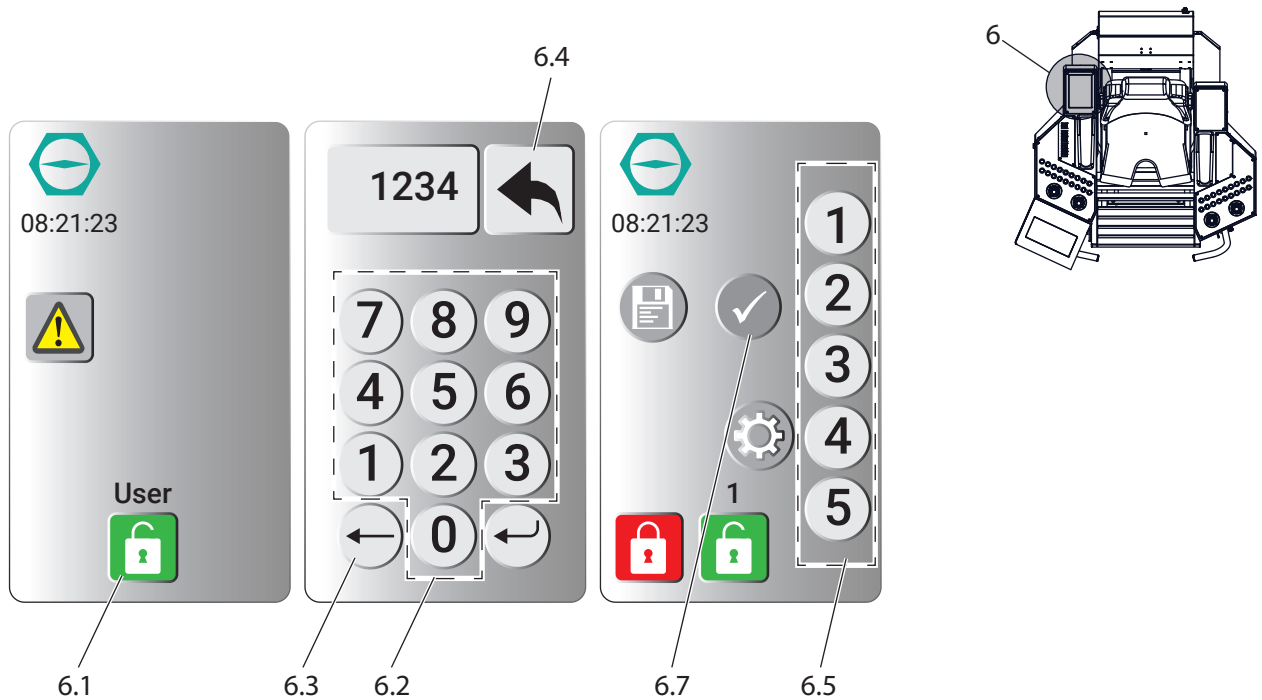


Figure 4. Memory system display – logging in and retrieving saved working position (actual product may vary from figure)

Retrieve the saved working positions as follows:

1. Press the "User" touch-button (6.1) on the display (6).
 - A numeric keypad (6.2) appears on the display (6).
2. Enter the 4-digit operator code using the numeric keypad (6.2) and accept the operator code using the "Enter" touch-button (6.4).



Note

You can correct any typing errors using the "Back" touch-button (6.3).

3. The touch-buttons 1 to 5 (6.5) appear on the display (6); these are for the working positions saved in this operator code.
4. Using the touch-buttons 1 to 5 (6.5), select the required working position and accept the entry using the "OK" touch-button (6.7).
 - The working position saved is now set automatically.

3.3. Administrator functions

3.3.1. Administrator login



Danger!

All tasks on the device are only allowed to be undertaken by specialist personnel taking into account the relevant safety regulations. Always pay attention to the safety instructions in *chapter 1. "Safety", page 22.*



Danger!

The Administrator code gives you access to the control stand's main menu. Using the main menu you can add, change or delete operator codes. No other settings (factory settings) are allowed to be changed.

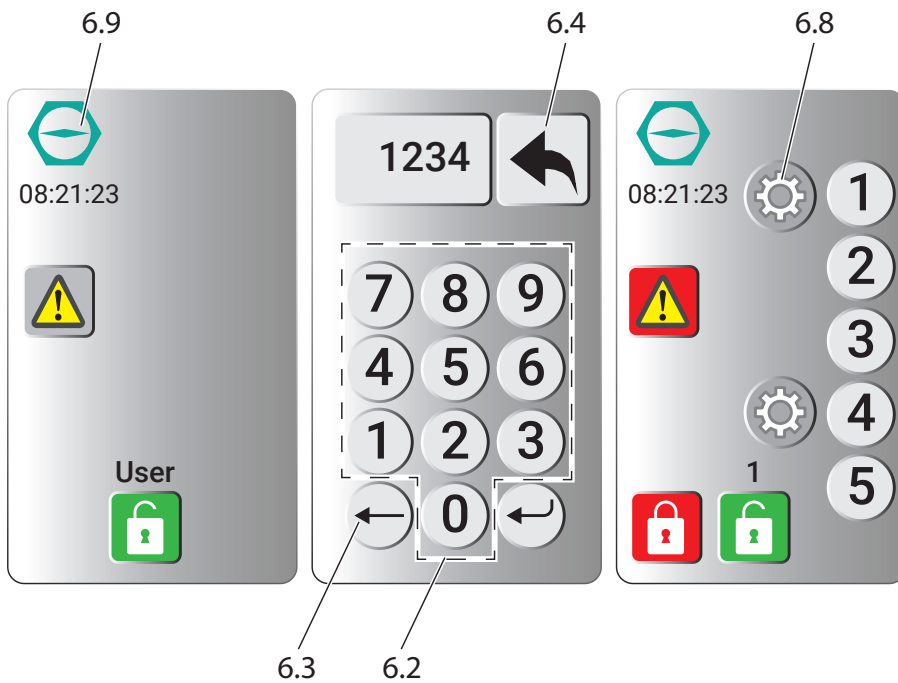


Figure 5. Administrator login (actual product may vary from figure)

Log in as the administrator as follows:

1. Press the "logo" touch-button (6.9) on the display (6).
 - A numeric keypad (6.2) appears on the display (6).
2. Enter the 4-digit administrator code (default code: 6474) using the numeric keypad (6.2) and accept the administrator code using the "Enter" touch-button (6.4).



Note

You can correct any typing errors using the "Back" touch-button (6.3).

3. Press the "Settings" touch-button (6.8).
 - The main menu appears on the display (6).

3.3.2. Setting language

Press the touch-button with the corresponding flag to select the required language.

3.3.3. System Settings



Figure 6. Administrator – System Settings (actual product may vary from figure)

1. Log in as the Administrator, see section 3.3.1 "Administrator login", page 31.
2. Press the touch-button (6.14).
3. The page for the display settings appears on the display (6), e.g.:
 - Brightness
 - Background lighting
 - etc.

3.3.4. Administering operator codes



Figure 7. Administrator – User Admin (actual product may vary from figure)

1. Log in as the administrator, see section 3.3.1 "Administrator login", page 31.
2. Press the touch-button (6.15) "User Admin".
 - The page for administration appears on display (6).

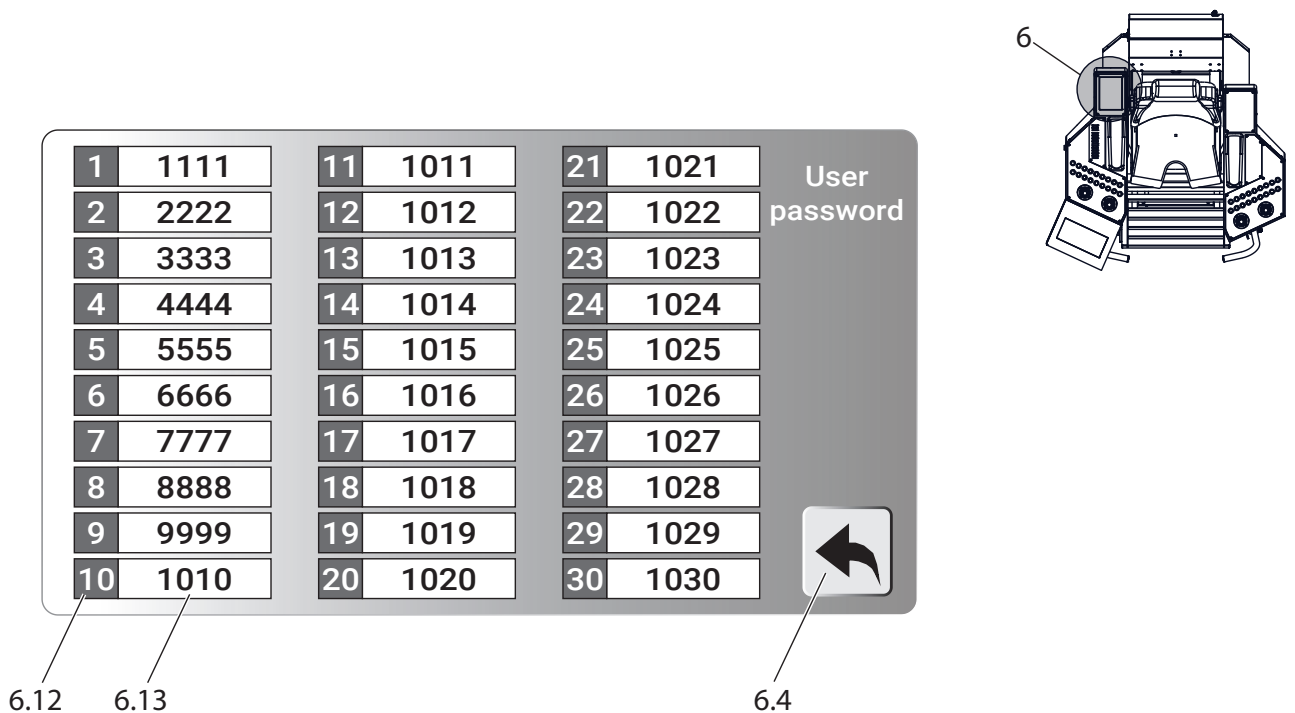


Figure 8. Administrator – administering operator codes (actual product may vary from figure)

3. Press the touch-button (6.12) with the required number, you can now
 - Add a new code (6.13),
 - Delete a code (6.13), or
 - Change a code (6.13).
4. Accept your entry using the "Enter" touch-button (6.4).

3.3.5. Sensor Settings



Note

The sensor settings are configured by Spohn & Burkhardt before the delivery of the control stand and are not allowed to be changed without consultation with Spohn & Burkhardt (for address see Imprint, page 2).

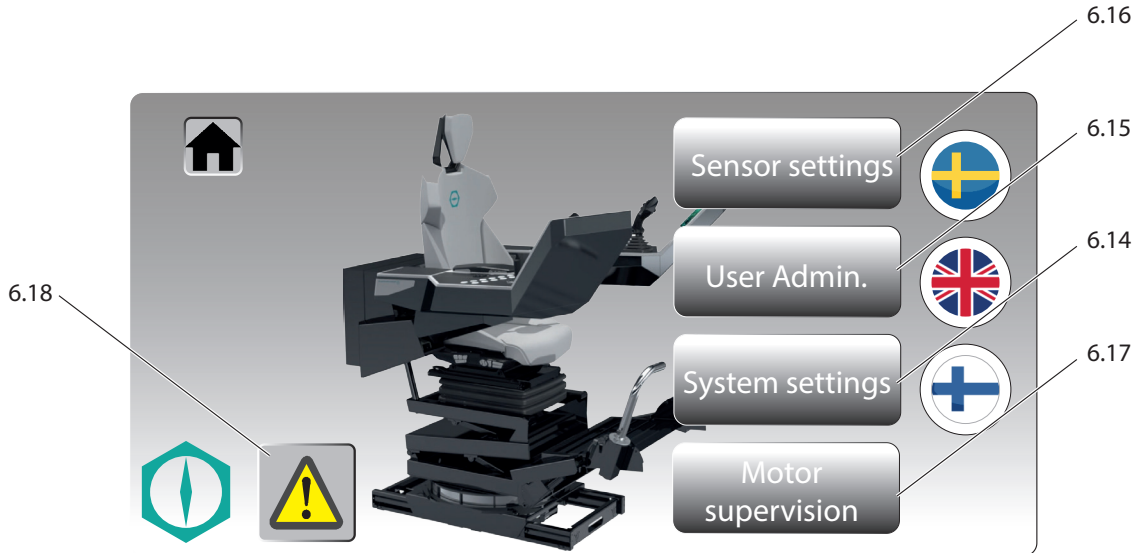


Figure 9. Administrator – Sensor settings (actual product may vary from figure)

1. Log in as the administrator, see section 3.3.1 "Administrator login", page 31.
2. Press the touch-button (6.16) "Sensor settings".
 - The page for the sensor settings appears on the display (6).

3.3.6. Motor supervision



Note

The settings for monitoring the motors are configured by Spohn & Burkhardt before the delivery of the control stand and are not allowed to be changed. For changes to the motor settings, contact Spohn & Burkhardt (*for address see Imprint, page 2*).



Figure 10. Administrator – Motor supervision (actual product may vary from figure)

1. Log in as the administrator, see section 3.3.1 "Administrator login", page 31.
2. Press the touch-button (6.17) "Motor supervision".
 - The page for monitoring the motors and motor cards appears on the display (6).

3.3.7. Error messages



Note

The error messages provide information about troubleshooting. For troubleshooting, contact **Spohn & Burkhardt** (for address see Imprint, page 2).

The touch-button (6.18) "Alarm" illuminates red as soon as an error has been detected.

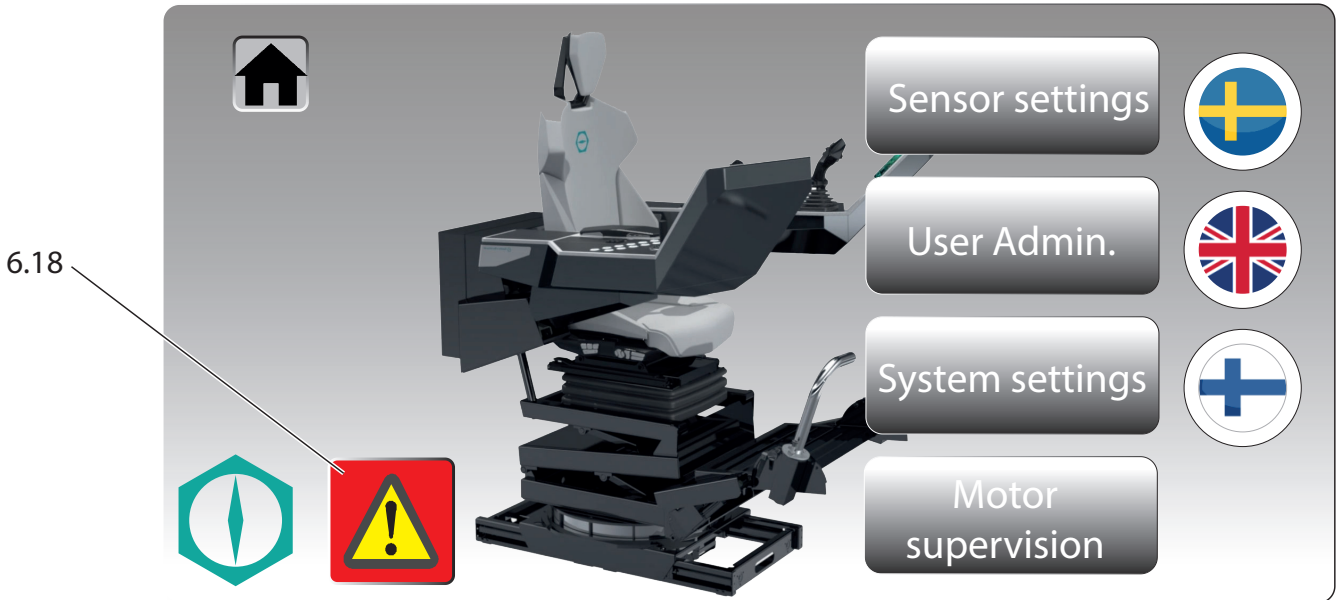


Figure 11. Administrator – Alarm (actual product may vary from figure)

1. Log in as the administrator, see section 3.3.1 "Administrator login", page 31.
2. Press the touch-button (6.18) "Alarm".
 - The page with the error messages appears on the display (6).

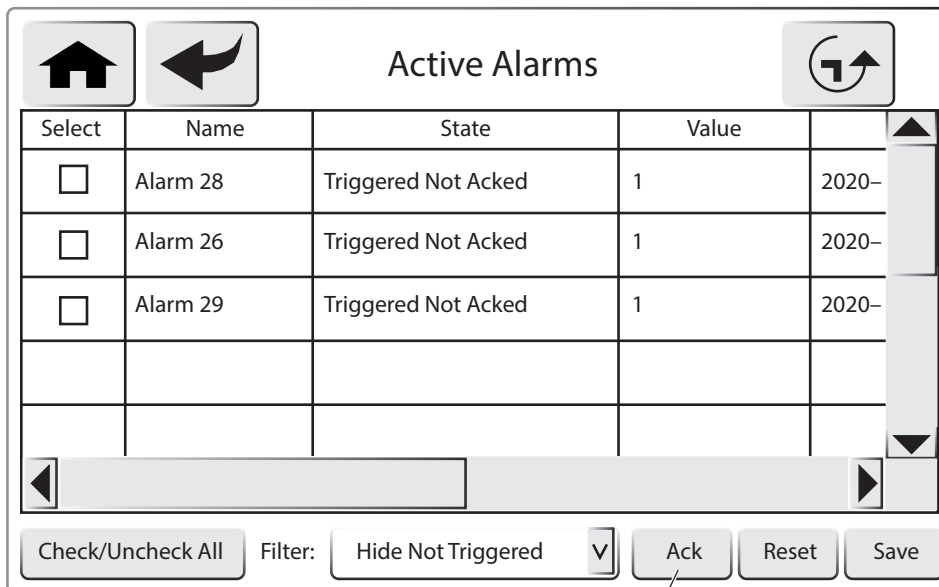
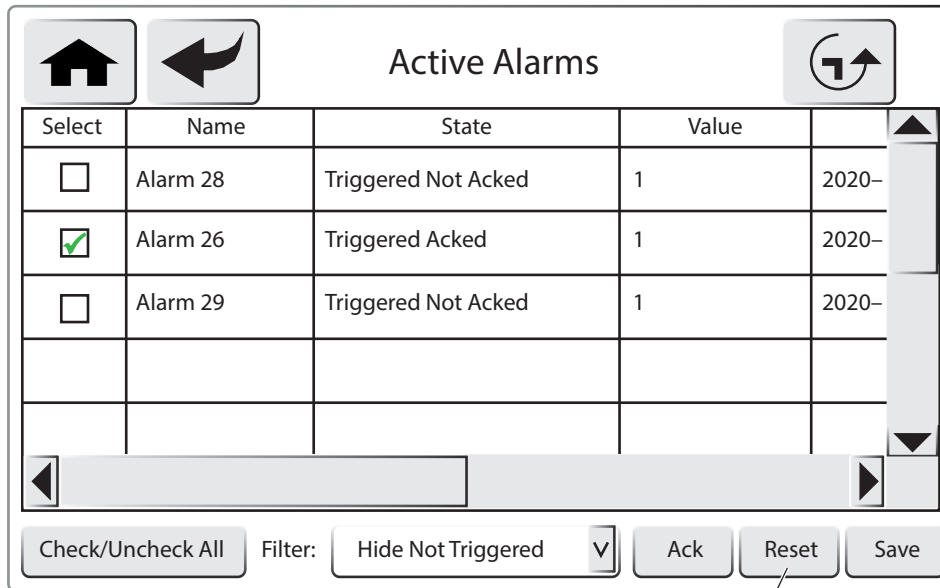


Figure 12. Administrator – acknowledging error messages (actual product may vary from figure)

3. Press the touch-button (6.19) "Ack" to acknowledge the selected error message.
 - The selected error message appears on the display (6) with a green check mark.



6.20

Figure 13. Administrator – resetting error messages (actual product may vary from figure)

4. Press the touch-button (6.20) "Reset" to reset the selected error message.
If you cannot reset the error, contact **Spohn & Burkhardt** (for address see Imprint, page 2).



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