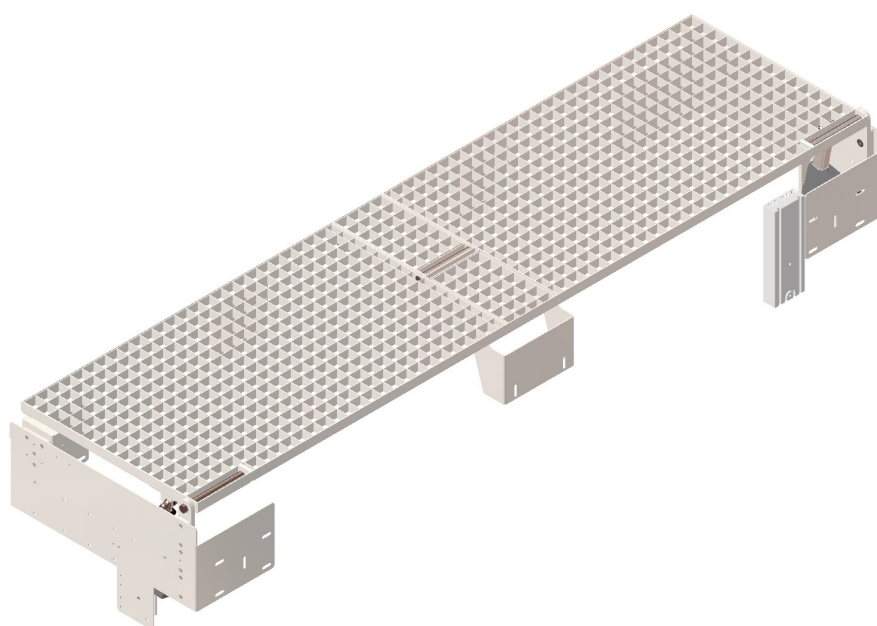




Operation manual

Bottom flap 600mm

Shaft Installation



-> K.01 Introduction

-> K.02 Properties

-> K.03 Product dimensions

-> K.04 Initial Setup

Setup P.06

Figures P.07

Siemens Logo SPS-Manual P.09

-> K.05 Product control

Transmitter setup P.13

Receiver Reset P.14

AConnection to smart home P.14

-> K.06 Diagnosis

-> K.07 Imprint



Intended Use

The product is an automatic bottom flap (shaft installation) designed as Add-On for all Flatlift 75/98 Flatlift TV-Lift Sets. All company names and product names are trademarks of their respective owners. All rights reserved.

The scope of delivery may vary depending on the product and the equipment series. Please check the completeness of the delivery and notify us within 7 days of receipt, if the delivery is not complete.

Safety and hazard warnings

Please read this chapter carefully and follow all listed instructions. This ensures reliable operation and a long service life of your lift system. Keep the operating instructions in a safe place.

Damage caused by non-observance of these operating instructions invalidates the guarantee! For consequential damages we accept no liability. In case of property damage or personal injury caused by improper handling or non-observance of the safety instructions, we assume no liability! In such cases, any warranty claim expires.

- > For safety reasons, the unauthorized conversion and / or alteration of the product is not permitted. Do not dismantle it.
- > The product is not a toy and does not belong in the hands of children.
- > The product must not be damp or wet.
- > Do not leave the packing material careless, children could choke in the worst case if swallowed.
- > Dropping from a low height will damage the product.
- > Before using for the first time, please check that it is possible for the Flatlift to move in and out, including the mounted Picture set, and ensure a collision-free ride.

The quality

We have focused our attention on high functionality, ease of use, safety and reliability in the choice of components.

We thank you for your trust in our Flatlift brand products.

Through individual customer care we support you during your installation.

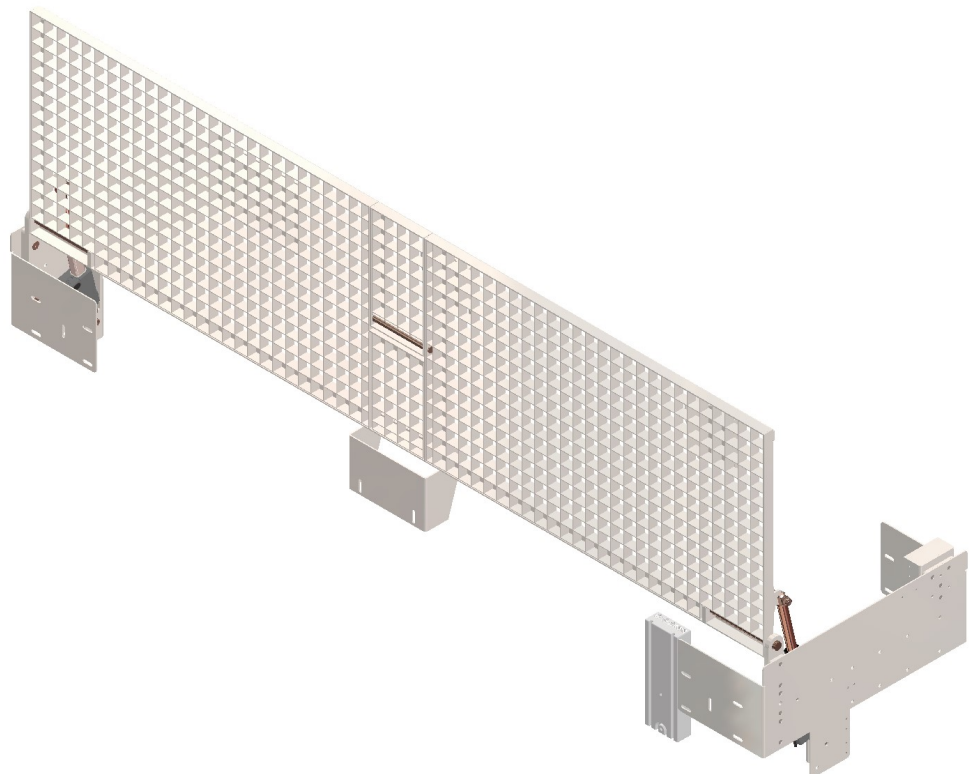


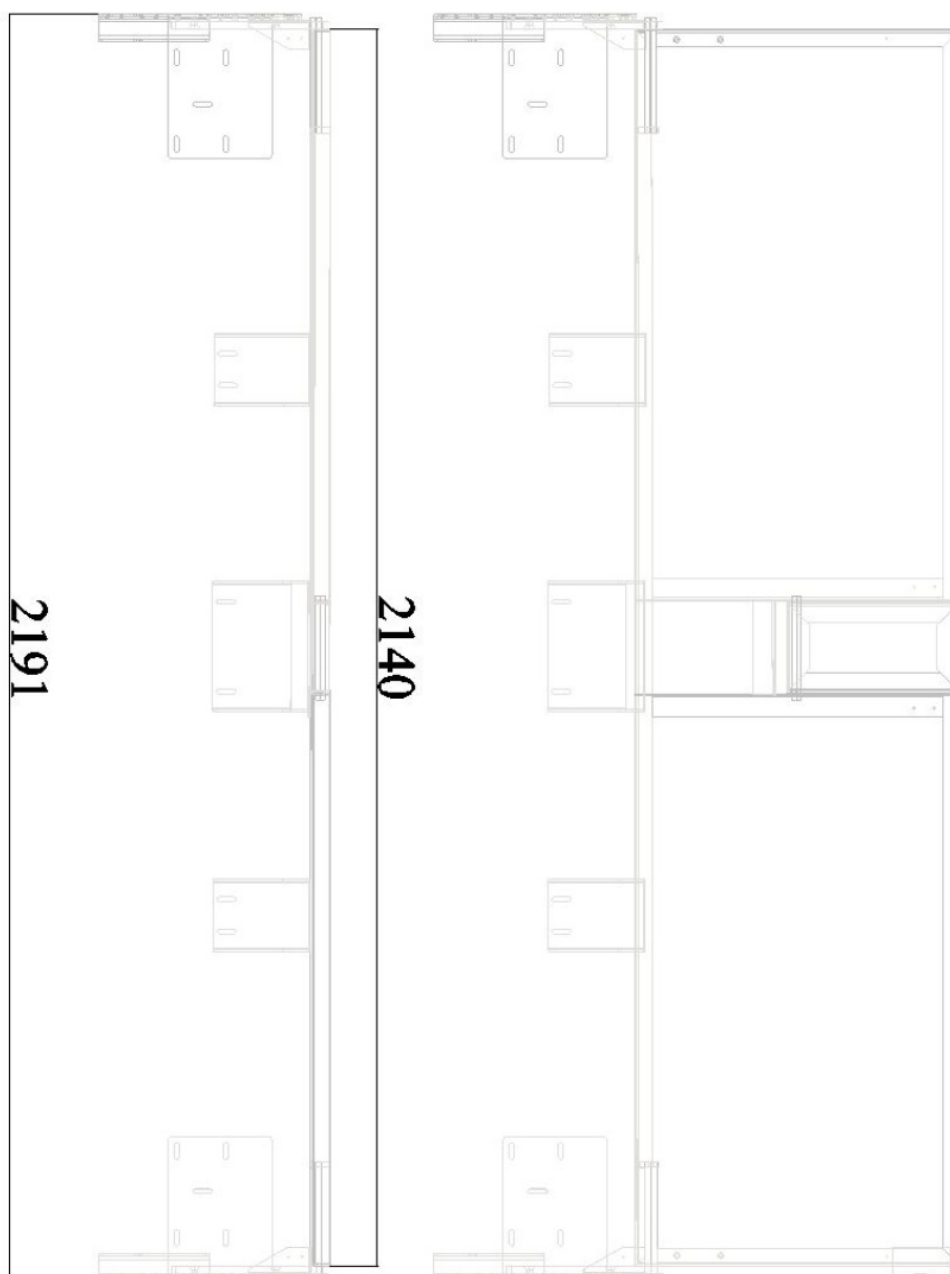
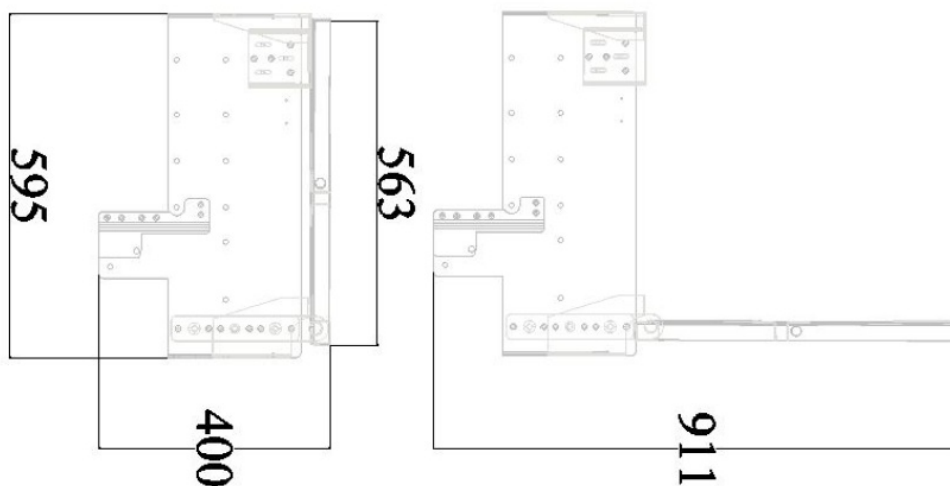
Characteristics:

- > Installation dimensions bottom flap
W = 2191mm D = 595mm H = 400mm
- > swivel angle 90 ° mm
- > lifting speed 25mm / sec
- > weight max. 100kg / 1000N / including transfer
- > duty cycle 5%
- > Soft Start / Soft Stop
- > Low noise level
- > ambient temperature + 5 ° C to 40 ° C
- > Connection to room control possible (see p.10)

Delivery:

- > Flatlift bottom flap 600mm
- > control box
- > 230V power cable







The bottom flap was specially developed as an Add-On to the Platinum 75/98.

Initial setup:

1. Remove the 4 countersunk screws from the motor mounts.
2. Remove the 4 countersunk screws from the hinges of the bottom flap.
3. Position the side parts of the flap as shown in the drawing on page 7.
4. Attach the side panels to the masonry with at least 8 screws each.
5. Insert the flap into the hinges and secure them to the side panels.
6. To set up your radio system connect to the RJ45 connection (radio 1) on the control box (port A1):
7. Connect the damper actuators to the control box on ports "1" and "2".
8. Connect the control box to the mains.
9. Initialize the Flatlift by pressing the "Down" button on the transmitter for 2 x 5 sec.
10. Extract the drives and secure the flap to the motor mounts.
11. As long as the radio is connected directly to the control box, you can open and close it without the need for the lift to be connected.
12. Align the support brackets under the flap and attach them to the masonry.
13. The flap is now ready for use and can be connected to the lift system.
14. Connect the controller to the cable label. A simplified presentation can be found on page 8.

fig. 1

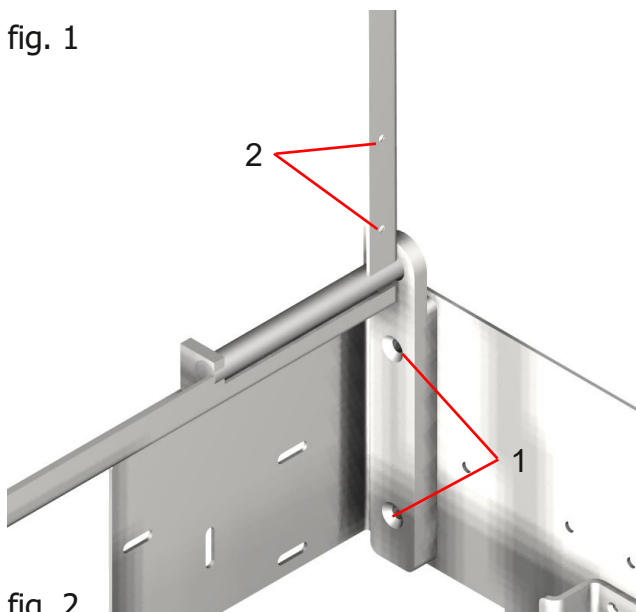


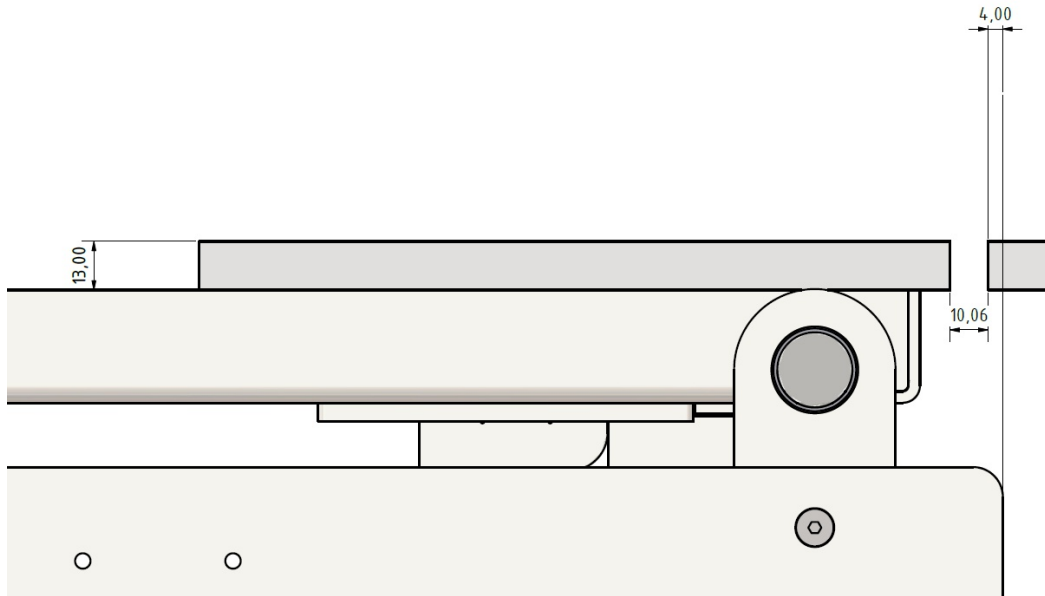
fig. 2



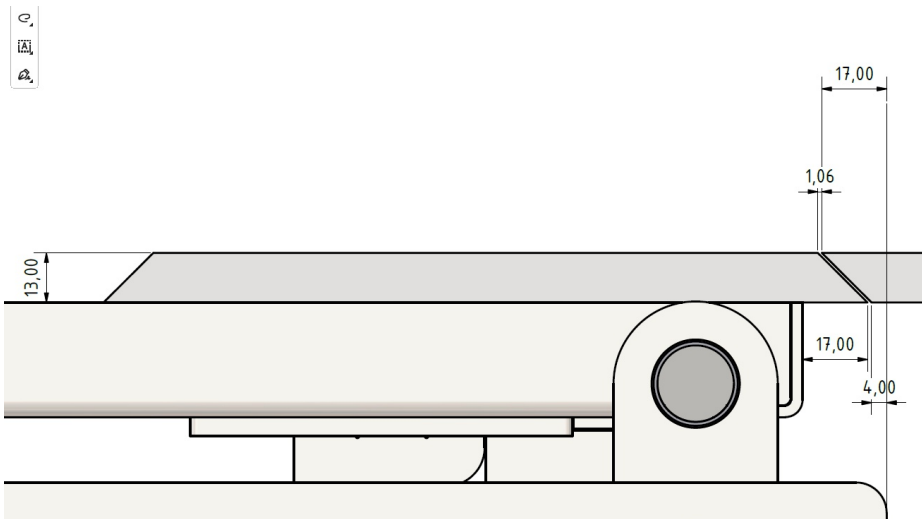


Bottom flap positioning and reference point determination

1- Normal gap dimension reference points determination:



2- Minimum gap reference points determination



The gap dimensions and reference points are determined in order to determine the exact mounting position of the flap by the installation partner. The floor structure may be a maximum of 13 mm, as shown in the drawings, to ensure collision-free movement.



fig. 3

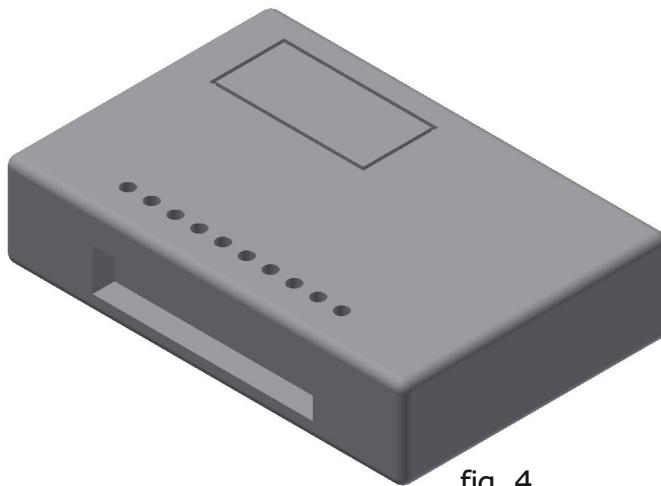


fig. 4

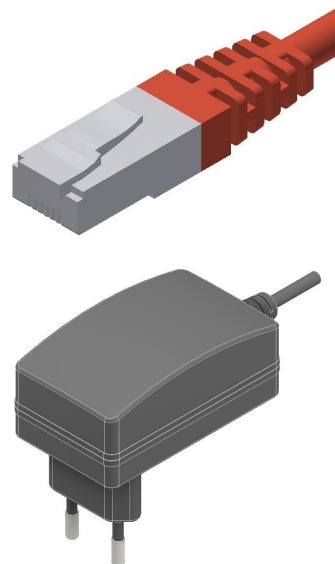


fig. 5

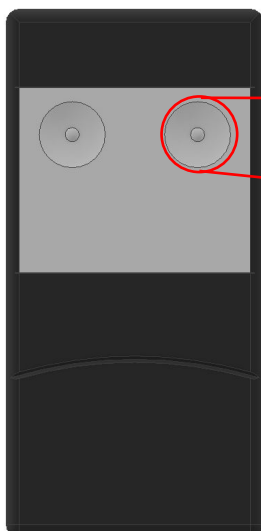
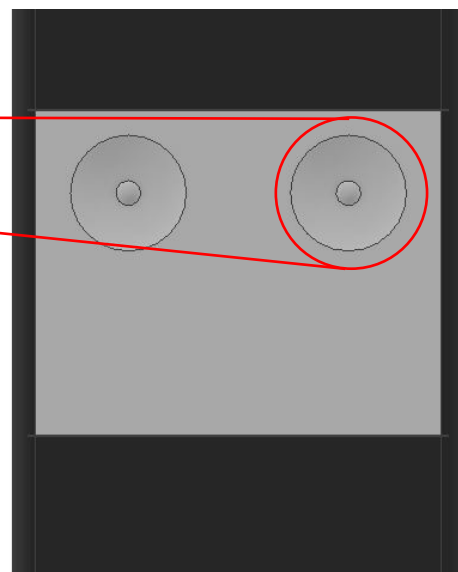


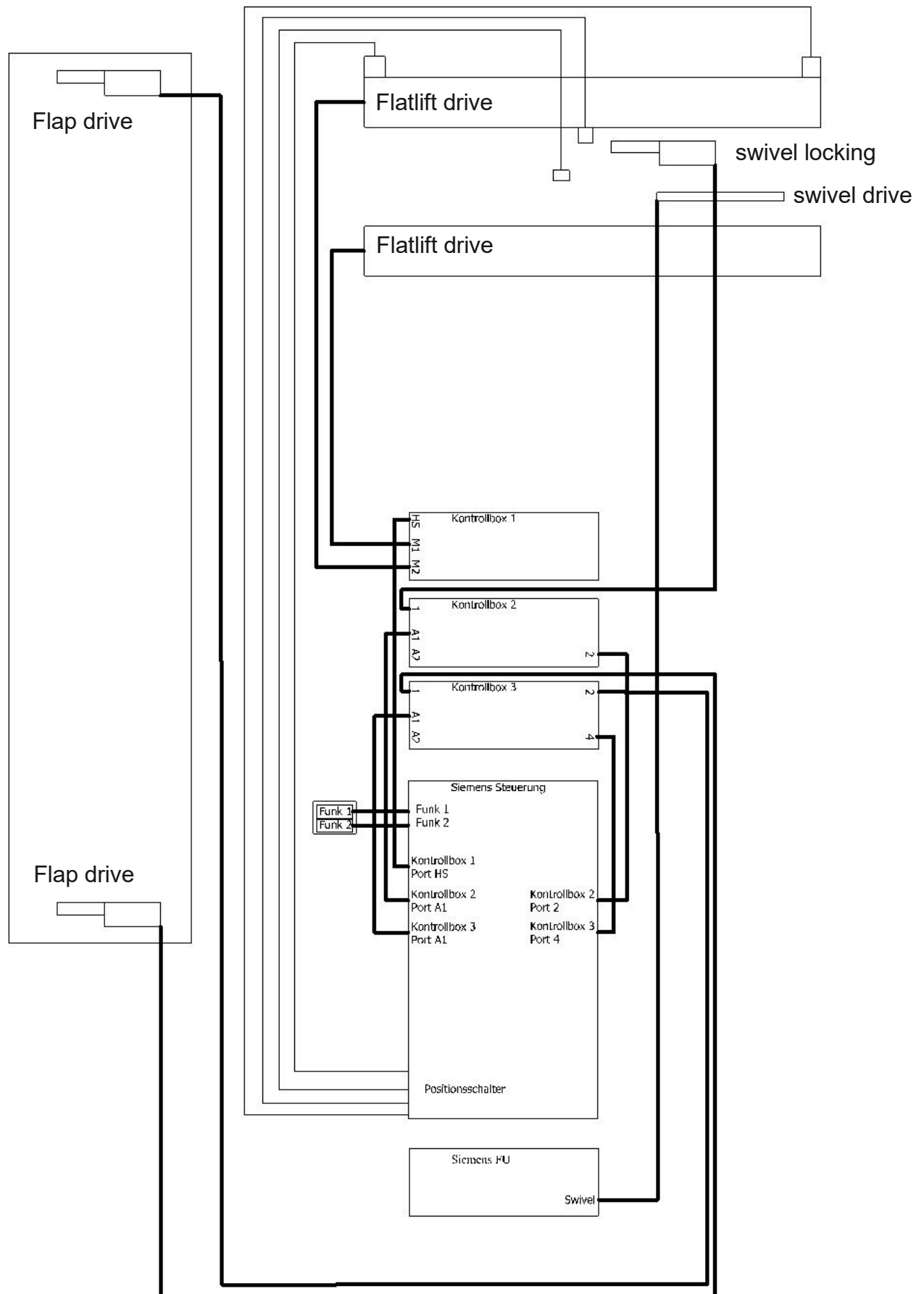
fig. 6



9



Simplified representation of the connections





Your Flatlift system is equipped with a Siemens logo PLC control. This controls the sequence of the individual movements. In addition, various settings can be made on the controller to adjust the lift system or to check the current status of the system.

Navigation in the menu of Siemens Logo:

You can use the cursor keys on the logo control to move through the information and programming menu. When the controller is started, the display will show a display with the flatlift, lift model and version number of the software. To move around the menu, press the "Down" cursor once. The display changes to the date / time display. To check the status of the system, press the cursor "Right" once. The display should show page 1/9. The page is displayed in the upper right corner of the display. This page displays the inputs of the system. Depending on the lift system, certain inputs must be switched (black background) for the system to work properly. The lift can be checked on the basis of the following list:



Inputs:

I-1: Signal extend:

Start state: off

Can be used to check if the signal "Extend" is present. (for example, if the button "Extend" is pressed on the transmitter)

I-2: Retract signal:

Start state: on

Can be used to check if the signal "Retract" is present. (for example, if the "retract" key on the hand-held transmitter is pressed.)

I-3: Turn signal left:

Start state: off

Can be used to check if the turn left signal is present. (For example, if the "Turn Left" button on the handheld transmitter is pressed.)

I-4: Turn right signal:

Start state: off

Can be used to check if the right turn signal is present. (for example, when the right-hand button on the hand-held transmitter is pressed.)

I-5: Zeroing:

Start state: on

Can be used to check if the signal "Zeroing" is present. The zero position must be applied when the system is in the home position. If zero is not present, the system will not go up or down.

I-6: Lift up:

Start state: off

Can be used to check if the signal "Lift When the lift is extended, this signal will be switched to give the logo control the rotation release.



Inputs:

I-7: Lock on: Can be used to check if the signal "Lock on" is present.

I-8: Lock to: Can be used to check if the signal "Lock to" is present.

Additional entrances in connection with the bottom flap:

I-9: Flip up: Can be used to check if the flap on signal is present.

I-10: Lift down: Can be used to check if the signal "lift down" is present.

Functional sequence in connection with the bottom flap:

Extend and turn:

Pressing the "Extend" button switches input 1 (I - 1). The flap opens until I - 9 is reached. When I - 9 is reached and I - 5 is present, the system will shut down. When the lift has reached the upper end position, I - 6 is switched, the flap closes and the twist lock opens. The system can now be rotated.

Turn to zero position and retract:

Pressing the "Retract" button switches I - 2. The system now automatically rotates to zero (I - 5). When I - 5 is reached, the bottom flap opens and the lock is closed. Then the system comes in. When I - 10 is reached, the door closes.

Set parameter:

If you are in the information level of the Siemens controller, you can switch to programming mode by pressing the "ESC" key. Now proceed as follows:

Select "Programming" -> "OK" button

Select "Parameterize" -> "OK" button

Select the parameter to be set -> "OK" button

Press the "OK" button to change the parameter with the cursor keys. If the value is set, confirm with "OK". You can exit the parameter and the programming menu by pressing the "ESC" key several times.



Adjustable swivel values:

Rotation angle:

To set the maximum rotation angle, the values "LEFT" and "RIGHT" can be set. The factory setting is as follows: on = 10100

off = 10100

Start = 10000

CNT = 10000

The start value is at the zero position and is always reset. To set the rotation angle, the values "on" and "off" can be set. It should be noted that the values must always be identical. In order to be able to set the ideal rotation angle, we recommend to set the values to 10900. When the lift is now turned, the value "CNT" indicates the current position of rotation. So, if you have reached the optimum rotation angle, release the "Turn" button on the remote control. Now you can transfer the value "CNT" into the columns "on" and "off". The system will then always stop in this position.

Approaching the zero position:

When the lift approaches zero, points "from Lef" and "from Rig" can be used for accurate positioning. Here you have to pay attention to which direction the system is going back. You can set in this parameter the time that elapses until the switch forwards the signal to the controller. That means: If the lift stops too early you have to increase the time, it stops too late you have to reduce the time.

Operation via the Siemens logo control:

You can control the movements of the system, for maintenance and set-up purposes, via the logo control. To do this, you must be in the display either on the start screen (Flatlift logo) or on page 9/9 in the Information menu.

Now the "ESC" key and the respective cursor key must be pressed together.

Cursor Keys:

Cursor "high": signal "extension"

Cursor "Down": signal "Retract"

Cursor "Left": signal "left turn"

Cursor "right": signal "right turn"



Teaching in the hand transmitter:

You can get additional handheld transmitters for your system.
Since the transmitters are coded, you must teach them in.

1. Remove the cover (Fig.11 No.1) on the radio receiver to access the programming buttons.
2. Press the left button (Fig.11 No.2). An LED (Fig.11 No.3) flashes slowly.
3. While holding down the programming button, press the first button on the handheld transmitter at the same time (Fig.12 No.4). The LED (Fig.11 No.3) now flashes quickly after the hand transmitter recognition.
4. Release all buttons.
5. To read in the second channel, repeat the process from step 2 using the second button on the handheld transmitter (Fig.12 No. 5).

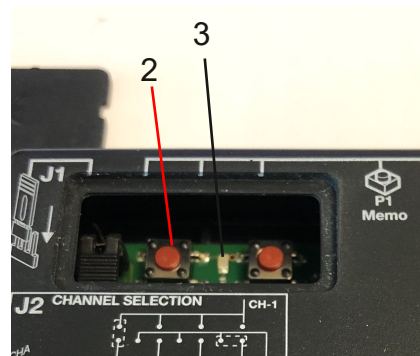
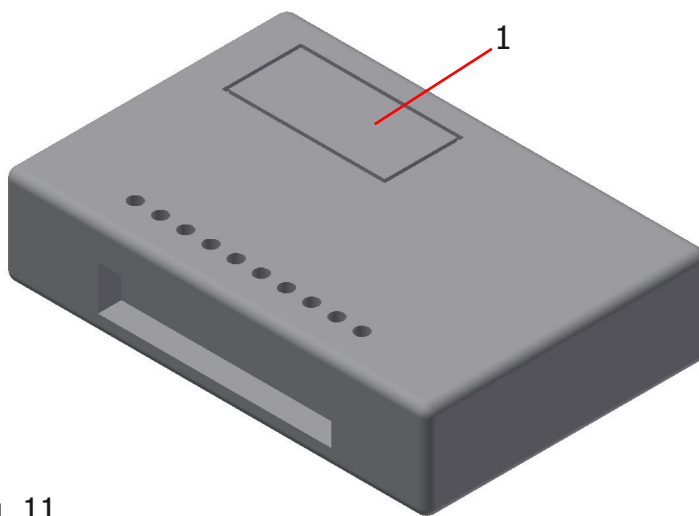
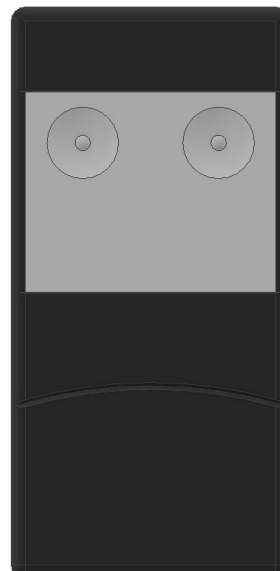


fig. 11



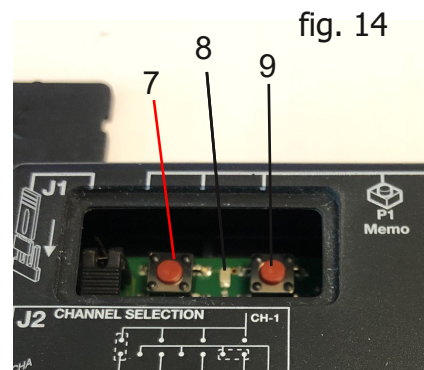
! Important ! Please only with the left programming button learn
The right button is for deleting.



Reset the radio receiver:

It can happen that the stored transmitter codes in the receiver are lost.
In this case, the recipient must be deleted.

1. Remove the cover (p.09 Fig.11 No.1) on the radio receiver to access the programming button.
2. Simultaneously press both programming buttons (fig. 14 no.7 + 9) until the LED (Fig.14 No.8) flashes quickly. This is the sign of the successful deletion.
3. Now teach your handheld transmitter back in.



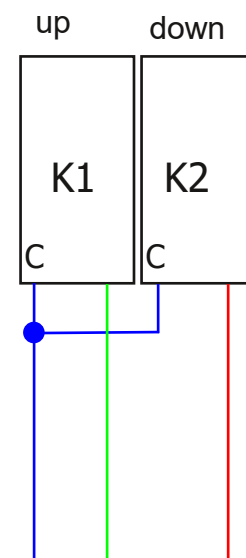
Connection to a room control:

You can connect your Flatlift to a room control if it has 2 relay outputs with floating contacts. These relays must be operated for a programmable period of time.

- 1) Disconnect the radio receiver from the mains.
- 2) Disconnect the cables by opening the terminals of the radio receiver (fig.3 no.3).
- 3) Now connect the blue and red wires to one of the relay outputs (lower control command Flatlift).
- 4) Bring the blue wire to the second relay output and connect the green wire to this relay output (lift the flatlift).

You can also use a new cable with RJ45 plug.
You can use the following pin assignment for this:

Pin 4 & 5 for lifting
Pin 4 & 8 for lowering





Fault diagnosis:

If your Flatlift does not work properly please check the following points:

Flap does not move

Is the power cord connected to the control box?

- > Check the mains connection
 - Are all plugs correctly plugged into the control box? (ATTENTION, incorrectly inserted plugs can damage the system)
- > Check all connections
 - Is damage to the cables, the control box, the handheld transmitter or the Flatlift visible?
- > Damaged components need to be replaced, please contact us
 - The flap stops and can only be moved in the opposite direction
- > Is your Flatlift fully extended?
- > Floor material too heavy?
- > Possibly radio channel deleted!
- > Programming error on the room control!
- > Endpoints wrongly set!

Have you equipped your Flatlift with a too floor material?

- > Relieve your flap and try again
 - Is the radio transmitter transmitting?
- > If necessary, replace the battery of the remote control
 - Does the receiver receive?
- > When operating the radio transmitter, a "click" should be heard from the relays on both channels.
 - (If not, delete channels and re-learn them, see page 8 + 9)

Jerky / stuttering process of the lift?

- > Please check if a radio source is transmitting 433 Mhz in the vicinity of your house (possible sources of interference: garage door opener, baby monitor, alarm system or intercom)

With a radio interference source you have to convert to a frequency of 868 MHz!
Free conversion from 433 Mhz to 868 Mhz is only possible within the first 7 days from the delivery date. If this point is available to you, please contact us.

If you have a problem during commissioning or have a problem, you can contact us by phone or email: Customer Service:

By Email: service@flatlift.de

By phone during our service hours from 8:30 am to 4:30 pm (CET) at +49 (0) 62 41 - 30 56 00

Always have the following information ready for us or email us with:

- > your customer number
- > invoice number or delivery note number
- > Date of purchase of your Flatlift
- > Name of your Flatlift system



Visit our Showroom and get a product training



Opening hours:

Mo. - Thu. 08:00 - 12:00 & 13:00 - 17:00 (CET)

Fr. 08:00 - 12:00 & 13:00 - 15:00 (CET)

Please make an advance appointment.

Imprint

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