



Operation manual Mover moving panel 65/75"

TV and front panel just as an example. Not included.



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Intended Use

The product is used to raise and lower panels and to move TV's horizontally. 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.



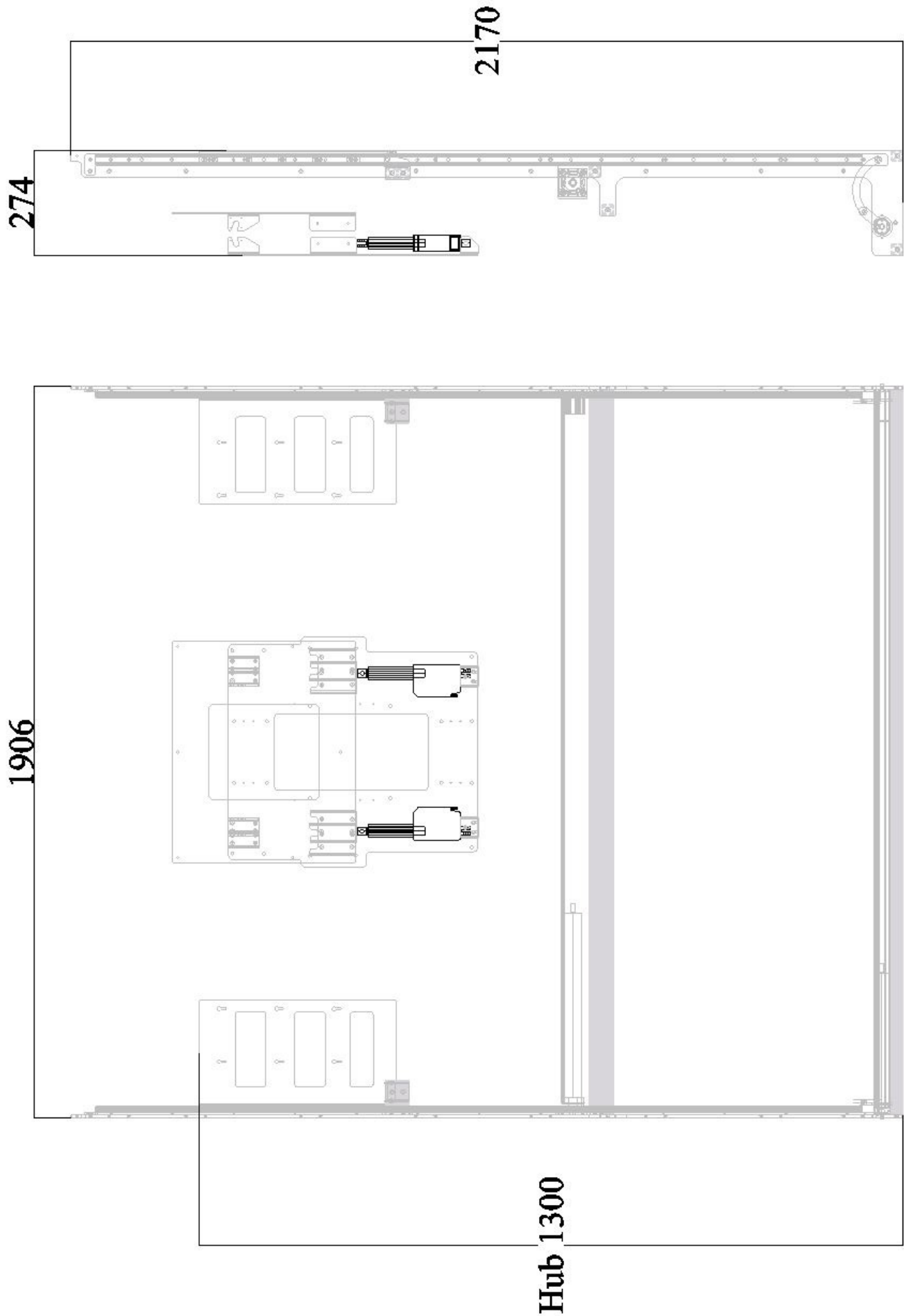
Characteristics:

- > Installation dimensions Flatlift
W = 1906mm D = 274mm H = 2170mm
- > Lifting height front panel 1300mm
- > stroke feed 120mm
- > lifting speed 25mm / sec
- > Panel weight max. 15kg / 150N
- > TV weight max. 30kg / 300N / including transfer
- > TV size 65-75 "(inches)
- > 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)
- > TV limit switch (optional)
- > Millimeter-accurate programming of the end points of the feed unit
- > 230V emergency power supply (optional)

Delivery:

- > Flatlift Mover 65-75 "
- > control box
- > 230V power cable
- > Motor cable
- > 433.92 MHz 2 channel radio receiver
- > 433.92 MHz 2 channel radio transmitter
- > Siemens Logo PLC control
- > Platinum Light Upgrade programming cable







Initial setup:

1. Fasten your panel unit on both sides with 6 screws (fig. 1 no. 1) on the side panels of the furniture to prevent tilting of the system.
2. Attach at least 4 screws to the rear panel of the cabinet (see page 5).
3. Connect all connections of the Flatlift according to the cable labeling. See page 8 for a simplified representation of the connections.
4. Connect the system to the mains voltage.
5. Button assignment of the remote control:
Links: Extending Right: retraction
6. It may happen that the drives of the feed unit have to be reinitialized. To do this, connect the radio module (P.07 Fig. 4) directly to the control box (Fig. 2). Initialize the Flatlift by pressing the "Down" button on the transmitter (P.07 Fig. 6 No. 9) for 2 x 5 sec. Afterwards you drive your Flatlift 2x completely off and on again. If the system does not react to the radio commands, you can check the system inputs on the Siemens logo controller (see page 9).
7. Your Flatlift is now ready for use as the lift endpoints have been saved in the control box.
8. You can now mount your TV set on the system.

If you disconnect the motor cable from the control box, the Flatlift system must be reinitialized.

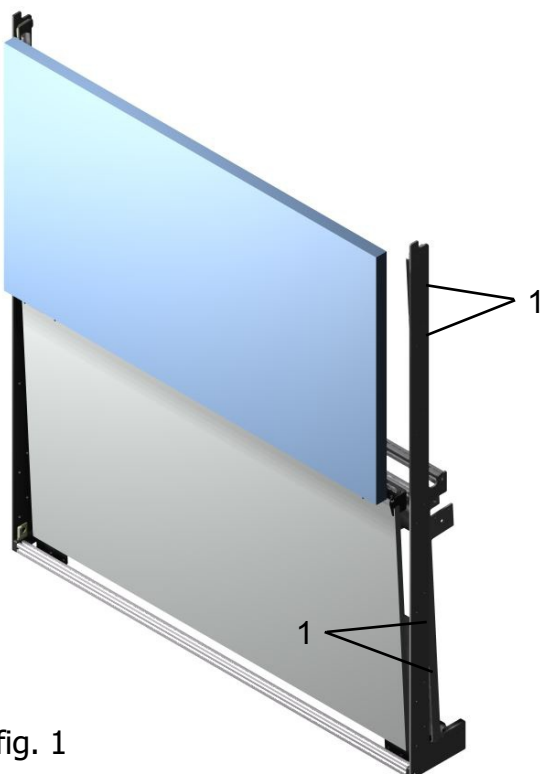
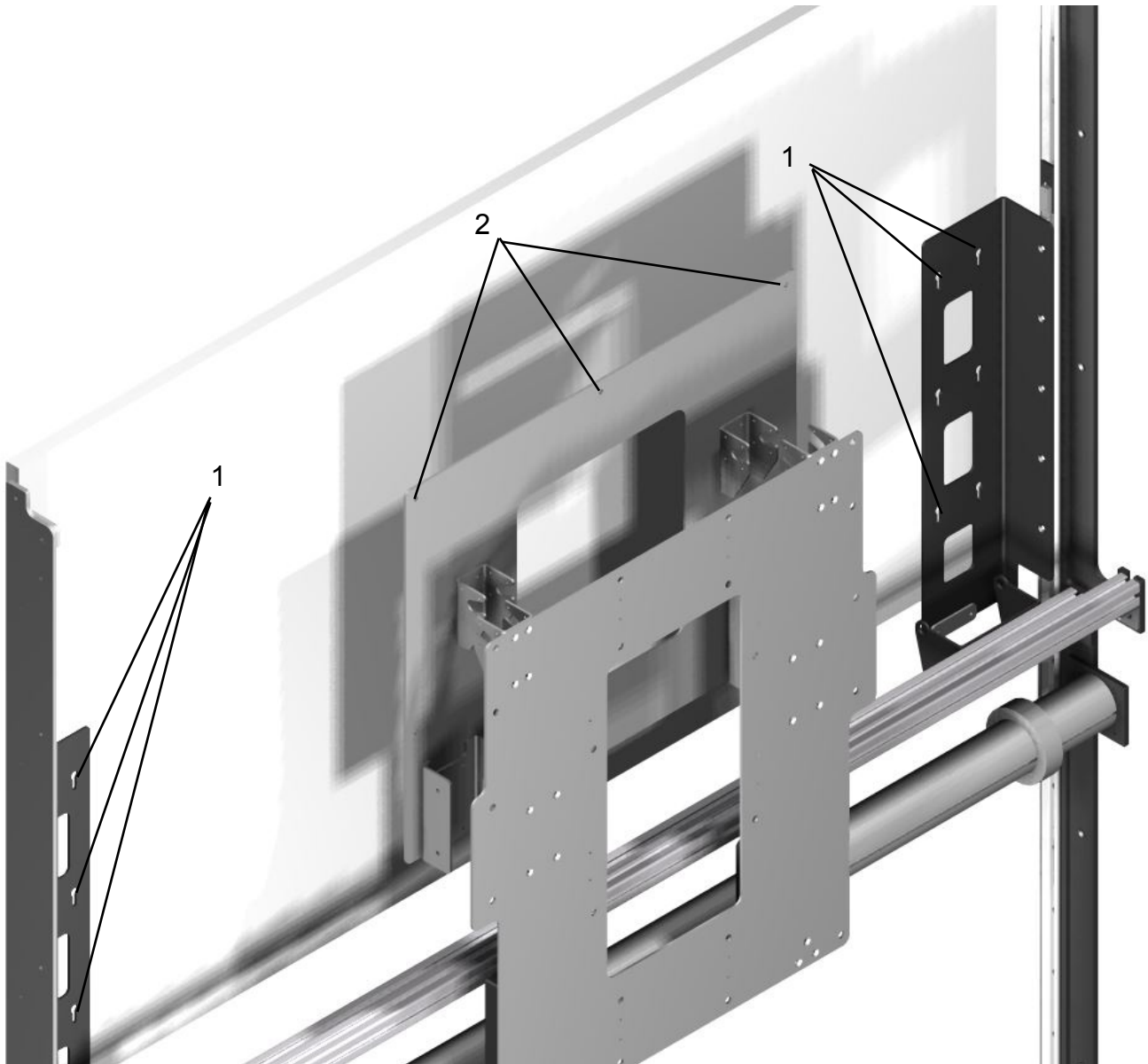


fig. 1



fig. 2



In this illustration you can see the attachment for the moving wall panel (1) and for the TV feed unit (2).

Dimensions and panel positions must be determined in the preliminary planning on site.

The keyhole guides allow a revision, so the panel can be removed.

To set the feed unit, use the programming cable and its instructions and software.

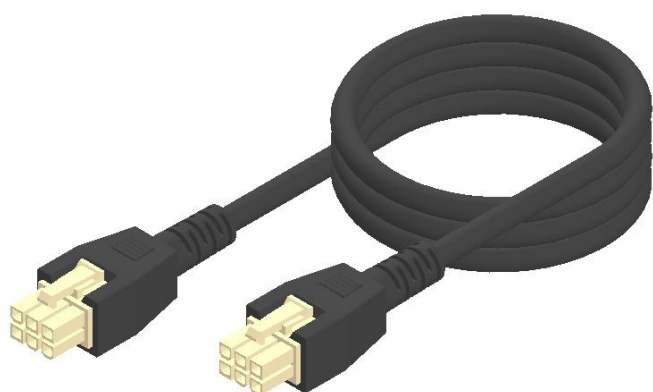


Abb. 3



Abb. 5

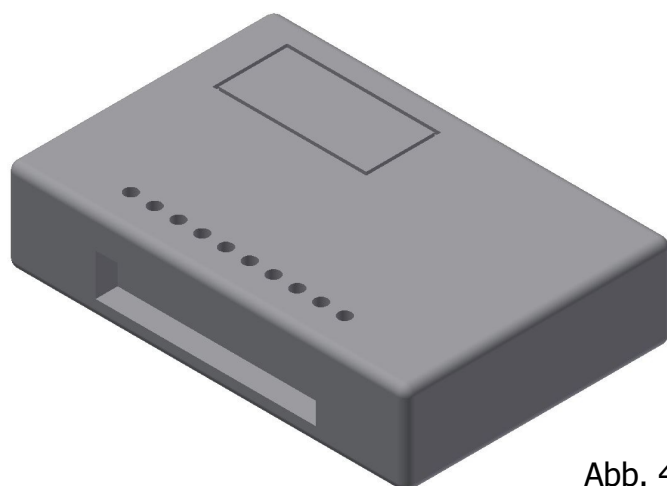


Abb. 4

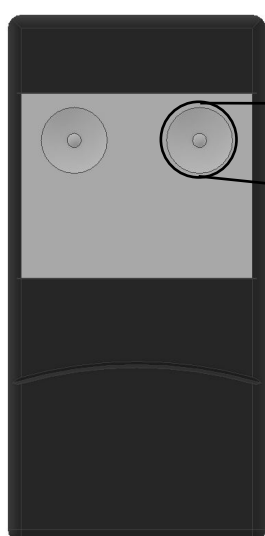
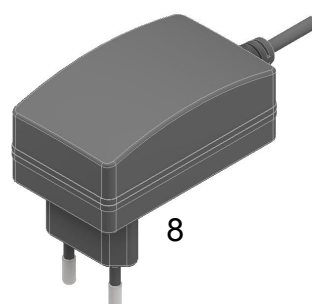
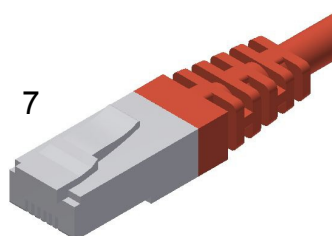
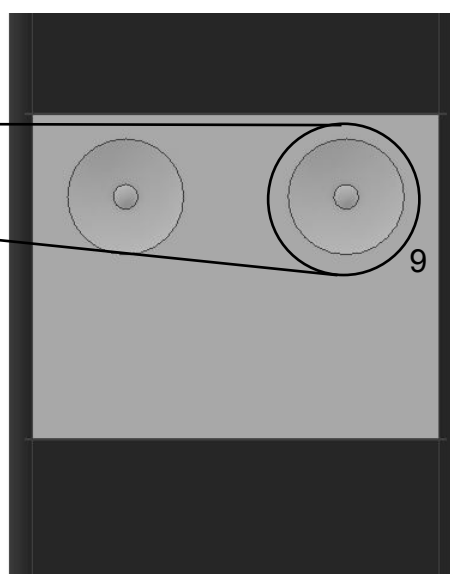
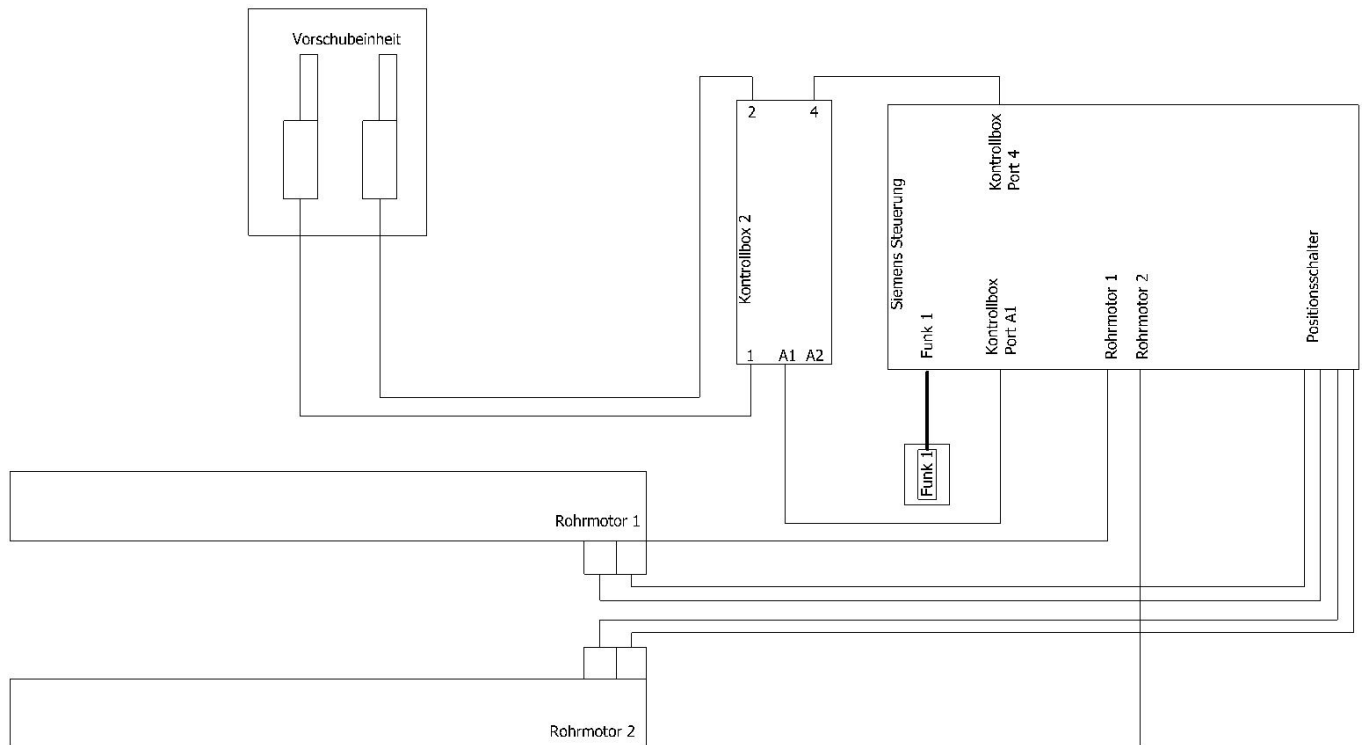


Abb. 6





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: off	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: Signal Panel Rear: Start state: offs	Can be used to check if the signal "Panel Rear" is present.
I-4: Signal Panel Front: Start state: on	Can be used to check if the front panel signal is present.
I-5: SignalPanel open: Start state: off	Can be used to check if the signal "Panel open" is present.
I-6: Signal Panel to: Start state: on	Can be used to check if the panel closed signal is present.
I-7: Signal TV Rear: Start state: on	Can be used to check the signal "Feed back" is applied.

Functional sequence:

extension:

Pressing the "Extend" button switches input 1 (I - 1). The system now moves the panel backwards. When I - 3 is switched, the panel moves down. When the Panel has reached the lower end position, I - 5 is switched. The system now drives the TV feed.

retraction:

Pressing the "Retract" button switches I - 2. The system retracts the feed. When I - 7 is switched, the panel is moved up. After this has reached the end position, the panel moves forward.



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 values:

positions:

The individual positions can be "fine-tuned" via time parameters.

To do this, select the parameter: T = 00: 00

Ta = 00: 00

Set at "T" the time to get a "caster". This means the system waits to pass on the signal until the set time has elapsed.

Default:

Panel rear: 00:00

Panel front: 00:00

Panel open: 00:00

Panel closed: 00:00

Rear feed: 00:00

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 "close panel"

Cursor "down": signal "open panel"

Cursor "left": signal "Panel back"

Cursor "right": signal "Panel before"



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).

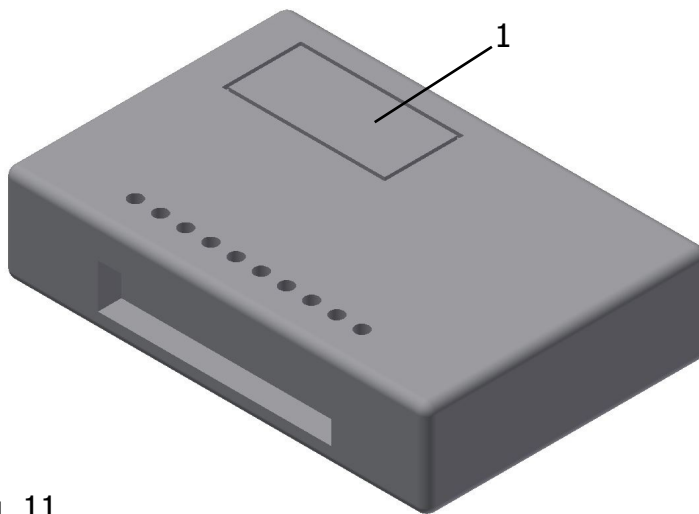


fig. 11

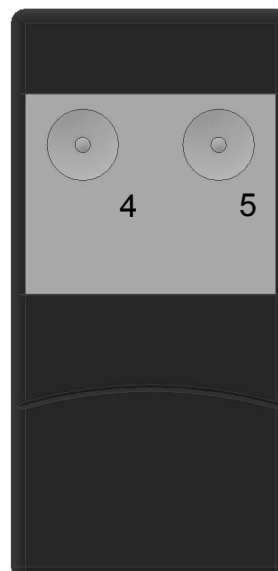
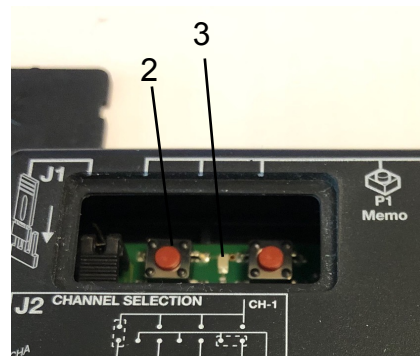


fig. 12

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



If your handheld transmitter has been successfully read in,
if you press the button to send a quiet
Hear click in the receiver.

With a handheld transmitter with four radio channels, this is
Operation with the top two buttons on radio module 1 and
performed with the lower two on module 2.

Please note that the slider on the right side of the
Hand transmitter (Fig.13 No.6) is in the lowest position.

The jumper position should also be checked.

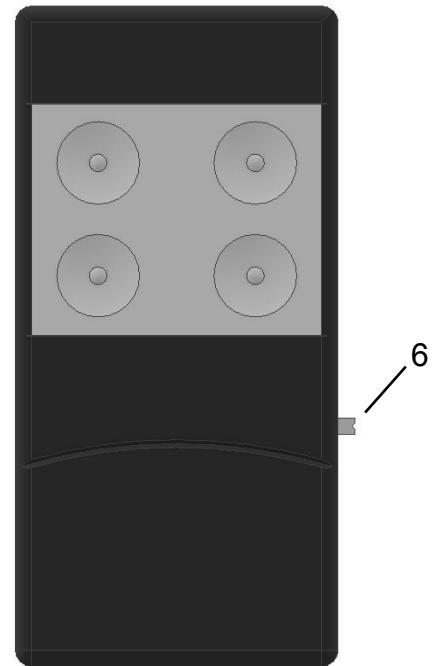
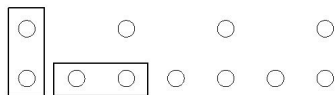


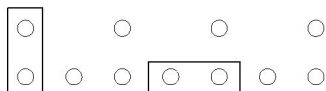
fig. 13

Jumperstellung



2-Kanal

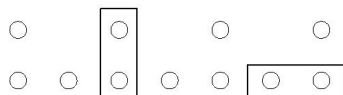
Jumperstellung



4-Kanal

Funk 1

Jumperstellung



4-Kanal

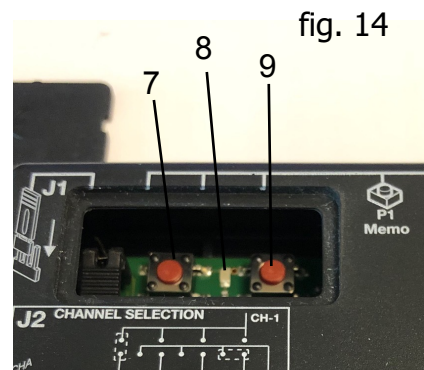
Funk 2



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.
(See page 09)



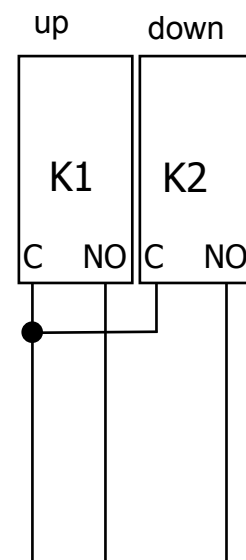
Connection to a room control:

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 (terminals 2 - 4) on the radio receiver (fig. 4).
- 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 up
Pin 4 & 8 for down







Fault diagnosis:

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

Flatlift 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 Flatlift stops and can only be moved in the opposite direction
- > Is your Flatlift fully extended?
- > Image too heavy?
- > Possibly radio channel deleted!
- > Programming error on the room control!
- > Endpoints wrongly set!

Have you equipped your Flatlift with a too heavy picture?

- > Relieve your Flatlift 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