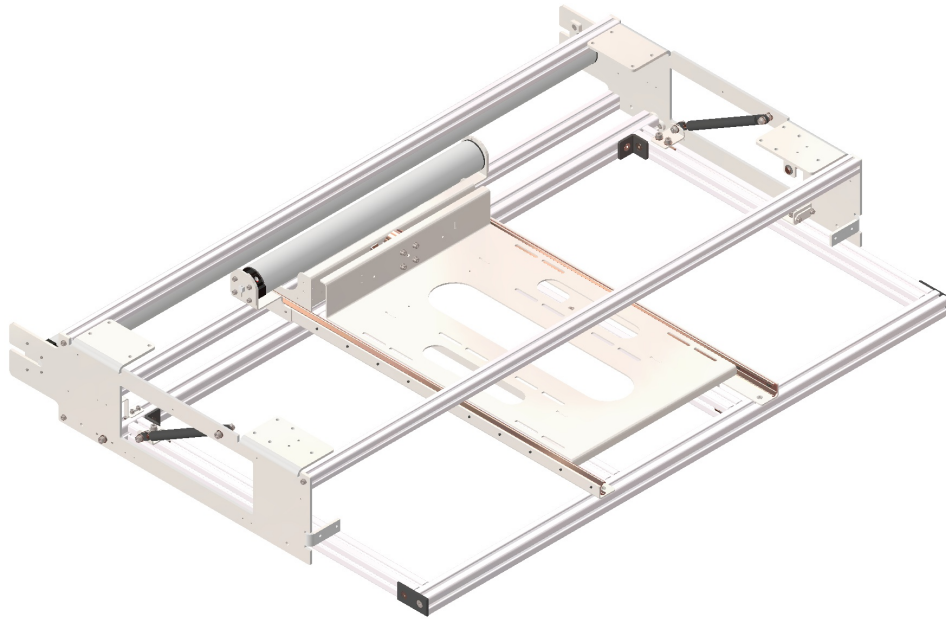




Operating manual Slimline Home with lowering and rotation 50"



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Intended use

The product is used to raise and lower LCD and plasma TV sets. All company names and product designations contained herein 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 that the delivery is complete and notify us within 7 days of receipt if the delivery is not complete.

Safety and hazard information

Please read this chapter carefully and follow all the instructions given. This will ensure 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 will invalidate the warranty! We generally accept no liability for consequential damage. We accept no liability for damage to property or personal injury caused by improper handling or non-observance of the safety instructions! In such cases, all warranty claims are void.

- > For safety reasons, unauthorised conversion and/or modification of the product is not permitted. Do not disassemble it.
- > The product is not a toy and does not belong in children's hands.
- > The product must not get damp or wet.
- > Do not leave the packaging material lying around carelessly; in the worst case, children could suffocate if they swallow it.
- > The product will be damaged if dropped from even a small height.
- > Before using the product for the first time, please check that the Flatlift including the mounted TV set can be moved in and out freely and ensure a collision-free ride.

Quality

When selecting the components, we have paid special attention to high functionality, easy handling, safety and reliability.

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

We support you with individual customer care during your installation.



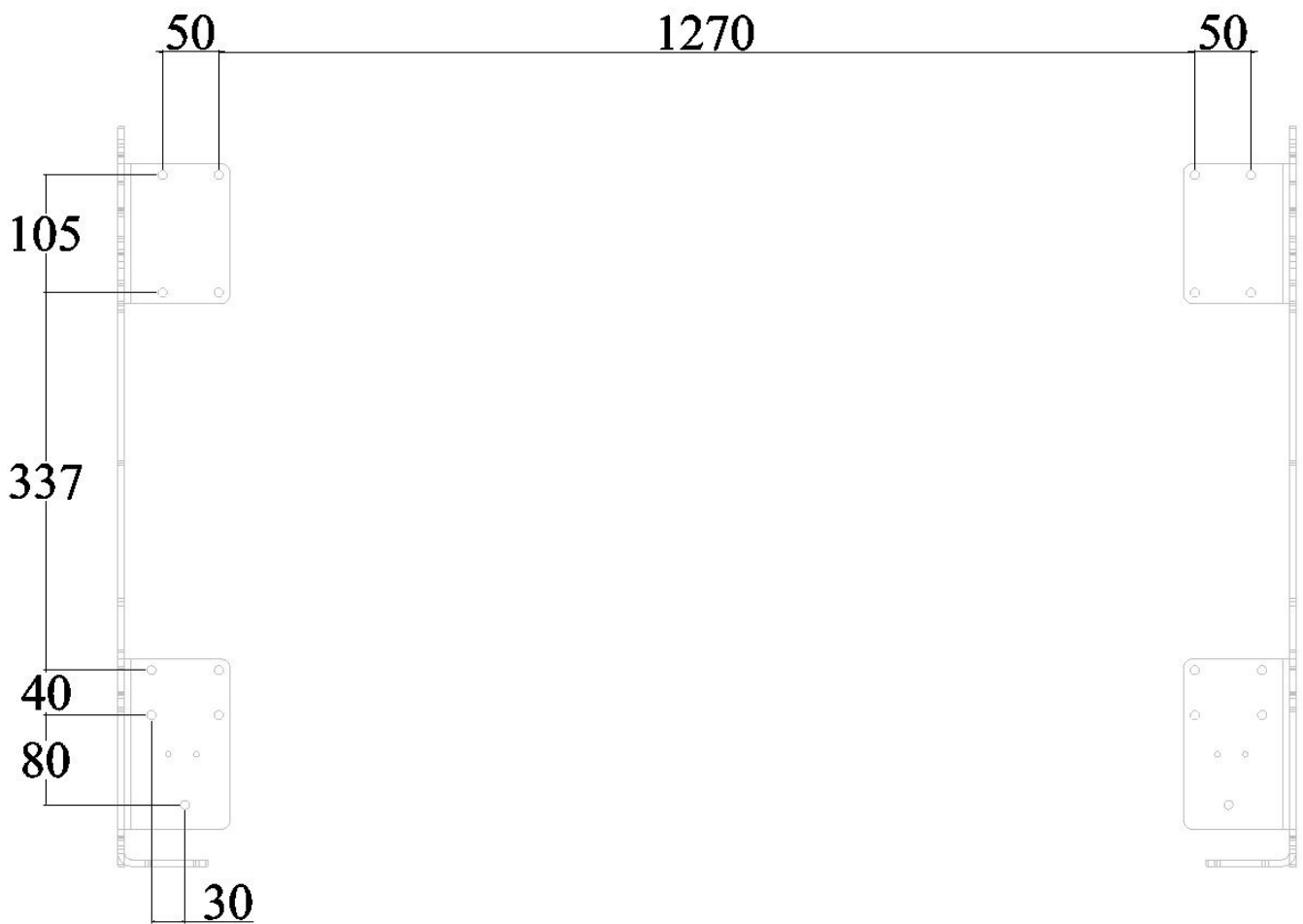
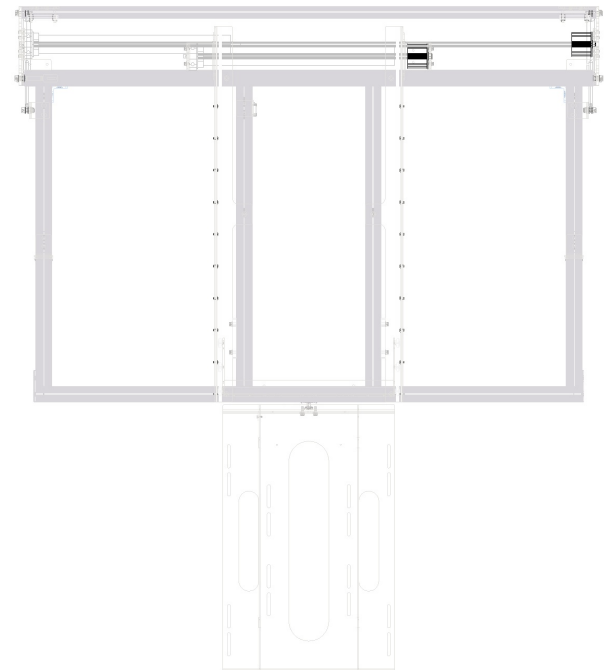
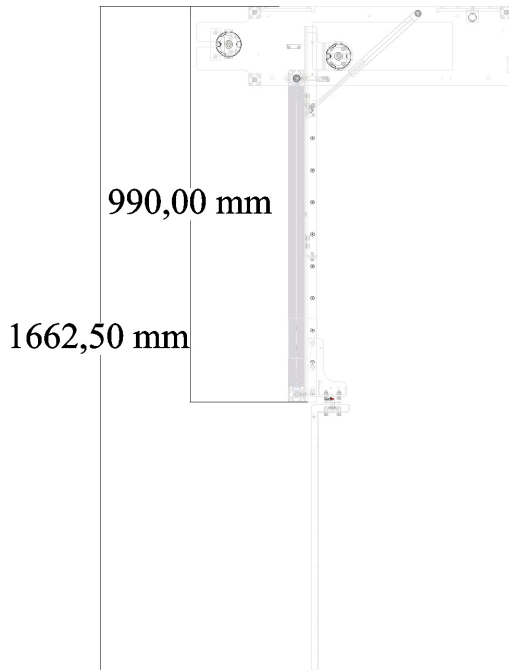
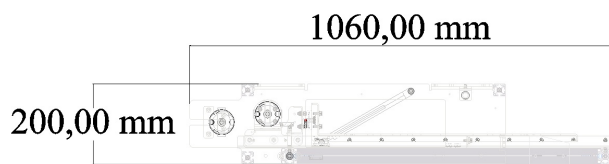
Characteristics:

- > Flatlift installation dimensions
W=1472.2mm D=1060mm H=200mm
- > angle max. 90
- > lowering max. 780mm
- > manual rotation 180° L/R
- > lifting speed 38mm/sec
- > TV weight max. 25kg / 250 N / including encasing
- > TV size 50" (inch)
(max. possible TV size in mm: W=1250 D=100 H=740)
- > duty cycle 5%
- > Low noise level
- > ambient temperature +5°C to 40°C
- > Connection to room control possible
- > TV limit switch (optional)
- > 230V emergency power supply (optional)

Delivery:

- > Flatlift Slimline Home with lowering 50"
- > Siemens Logo SPS control
- > Radio receiver (pre-installed)
- > Radio hand-held transmitter
- > Adjustment key





Bohrbild



Initial setup:

1. Attach your Slimline Home Lift to the ceiling with at least 4 screws. You can use the drilling diagram (p.05) for the hole spacing.
2. Connect the cables to the control using the labelling.
Connect the cables to the control unit according to the labelling.
3. Press the left button on the handheld transmitter to open the system. Press the right button to close the system.
4. Since all systems are tested and adjusted in production without load before shipment, please carry out a test run before carrying out any further assembly work.
5. Mount the TV set. The height may vary depending on the TV set. For this purpose, the mounting plate (Fig. 1) has slotted holes so that the TV can be adjusted in height. The TV should not protrude over the lower edge of the system.
6. Mount your TV with 4 screws on the plate over the VESA mountings on the TV set.
7. It may happen that the Flatlift does not close completely because the straps have tightened a little under the weight of the TV set. This can be adjusted via the Siemens Logo PLC control. See page 9.
8. 4 brackets are provided on the side of the flap for mounting the ceiling panelling (Fig. 2). For the creation of the cladding, please refer to the drawing on page 12. Even after the cladding has been installed, it may be necessary to readjust the positions of the system. See page 9 for this.

When the positions are adjusted, the lift is ready for operation.

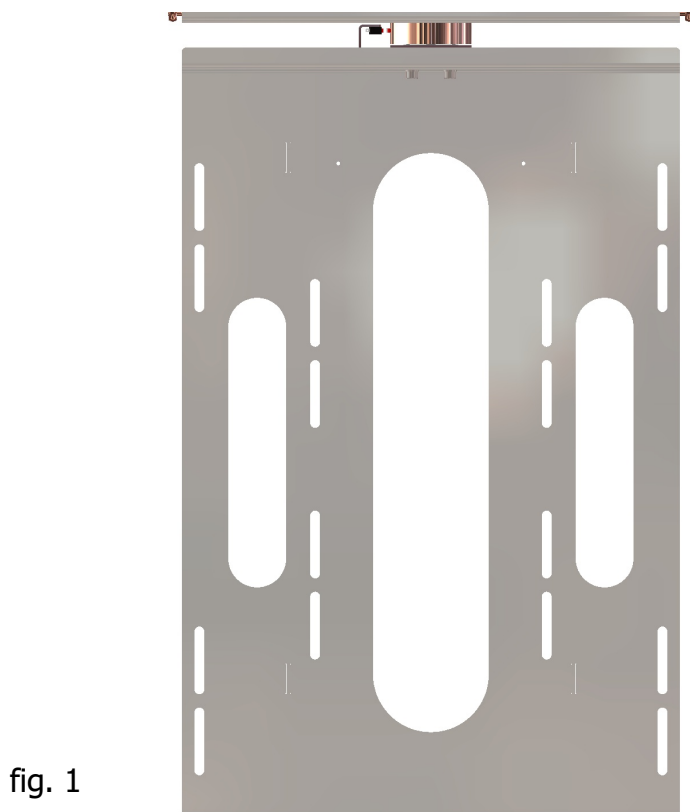


fig. 1



fig. 2



It may happen that the end positions cannot be set via the Siemens logo, as the drive is stopped via its internal limit switches. In this case, the end position would have to be readjusted on the drives. In this case, the direction of rotation of the axis must be observed. The direction of rotation is indicated by arrows on the adjustment screws. See fig. 3. The end position of the position can then be increased or decreased by turning these adjusting screws. However, the position is still controlled by the Siemens logo, so that an adjustment does not have a direct visible effect.



fig. 3



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 control to adjust the lift system or to check the current status of the system.

Navigation in the menu of the Siemens Logo:

Use the cursor keys on the Logo control to move around the information and programming menu. When the control is started, a display appears with the flat lift, lift model and version number of the software. To be able to move in the menu, press the cursor **"Down"** once. The display changes to the date/time display. To be able to check the **status of the system**, now press the cursor **"Right"** once. The display should show page **1/9**. The page is shown at the top right of the display. This page shows the **inputs** of the system. Depending on the lift system, certain inputs must be switched (**highlighted in black**) for the system to function properly. The following list can be used to check the lift:



Inputs:

I-1: Open signal: Start condition: off	Can be used to check whether the "open" signal is present (e.g. when the "open" button is pressed on the hand-held transmitter).
I-2: Close signal: Start condition: off	Can be used to check whether the "Close" signal is present (e.g. when the "Close" button is pressed on the hand-held transmitter).
I-3: Signal flap open: Start condition: off	Can be used to check whether the "flap open" signal is present.
I-4: Lowering up signal: Start condition: on	Can be used to check whether the "lowering up" signal is present.
I-5: Signal flap closed: Start condition: on	Can be used to check whether the signal "damper closed" is present.



Functional sequence:

Extend:

Pressing the "Extend" button switches input 1 (I-1). The system will now open the flap. When the flap is open, input I-3 is switched. Now the lowering leads downwards.

Retract:

By pressing the "Retract" button, I-2 is switched. The system will first move the lowering upwards until input I-4 is switched. Then the flap will close until switch I-5 ends the programm.

Set parameters:

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

Select "Programm" -> press "OK"

Select "Set Para" -> press "OK"

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

Press the "OK" key to be able to change the parameter with the cursor keys. When the value is set, confirm with "OK". Press the "ESC" key several times to exit the parameter and the programming menu.

Adjustable values:

In each of the available parameters, a time can be programmed that causes a delay in the programme sequence. Thus, if a time is increased, the system will only pass on the signal "delayed".

T =00:00

Ta =00:00

Only the value at "T" is changed. The value at "Ta", if present, reflects the current value of the control. The current value is only displayed when the switch is actuated.

The adjustable parameters are:

Flap open, Lowering up and Flap closed.

Please change all other parameters only after consultation with Flatlift.

Operation via the Siemens Logo control:

You can operate 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 lettering) or on page 9/9 in the information menu.

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

Cursor key assignment:

Cursor "Up": Signal "Lowering Up".

Cursor "Down": Signal "Lowering Down".

Cursor "Left": Signal "Close flap

Cursor "Right": Signal "Open flap



Zero position switch:

As this flat lift is equipped with a manual rotation, the model has a zero position switch (fig. 8).

The zero position switch ensures that the Flatlift cannot be raised or lowered in the "rotated" state in order to prevent collisions.

In order for the system to move up and down, it must be ensured that the roller of the switch is in the recess (fig. 9).

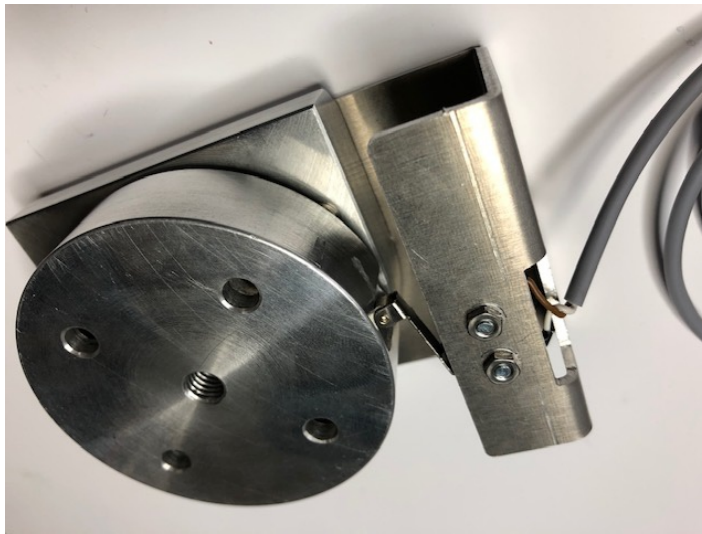


fig. 8

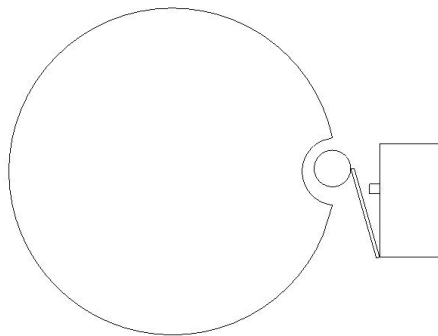


fig. 9



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.4 no.1) on the radio receiver to access the programming buttons.
2. Press the left button (fig.4 no.2). An LED (fig.4 no.3) flashes slowly.
3. While holding down the programming button, press the first button on the handheld transmitter at the same time (fig.5 no.4). The LED (fig.4 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.5 no.5).

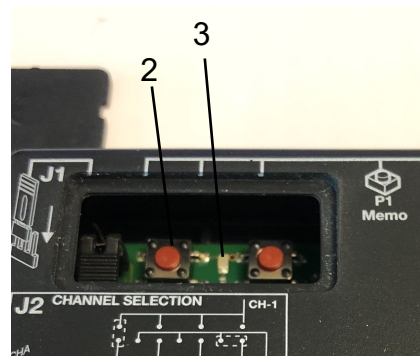
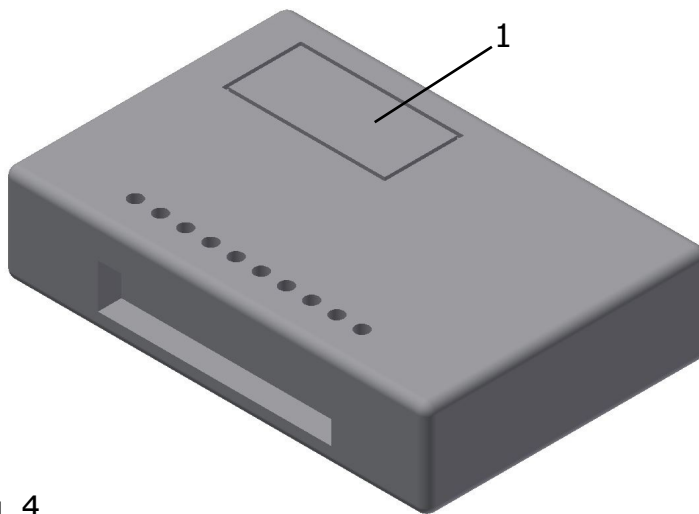


fig. 4

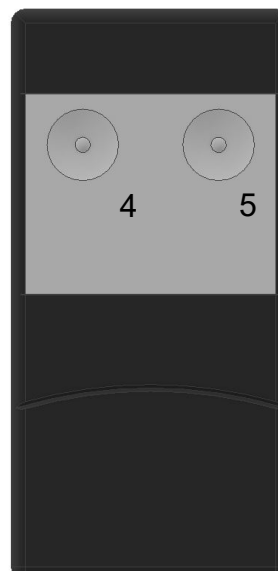


fig. 5

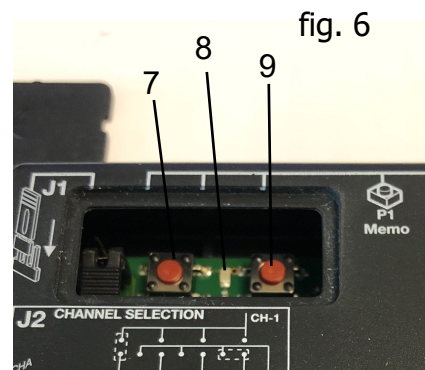
! Important ! Please only with the left programming button learn
The right button is for deleting.



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.10 fig.4 no.1) on the radio receiver to access the programming button.
2. Simultaneously press both programming buttons (fig. 6 no.7 + 9) until the LED (fig.6 no.8) flashes quickly. This is the sign of the successful deletion.
3. Now teach your handheld transmitter back in.
(See page 10)



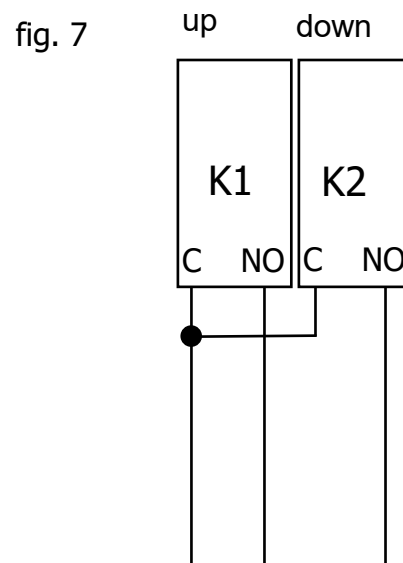
Connection to a room control:

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 - 5) on the radio receiver (fig. 4).
- 3) Now connect the blue and brown wires to one of the relay outputs (close command Flatlift).
- 4) Bring the blue wire to the second relay output and connect the blue/white wire to this relay output (open command flatlift).

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

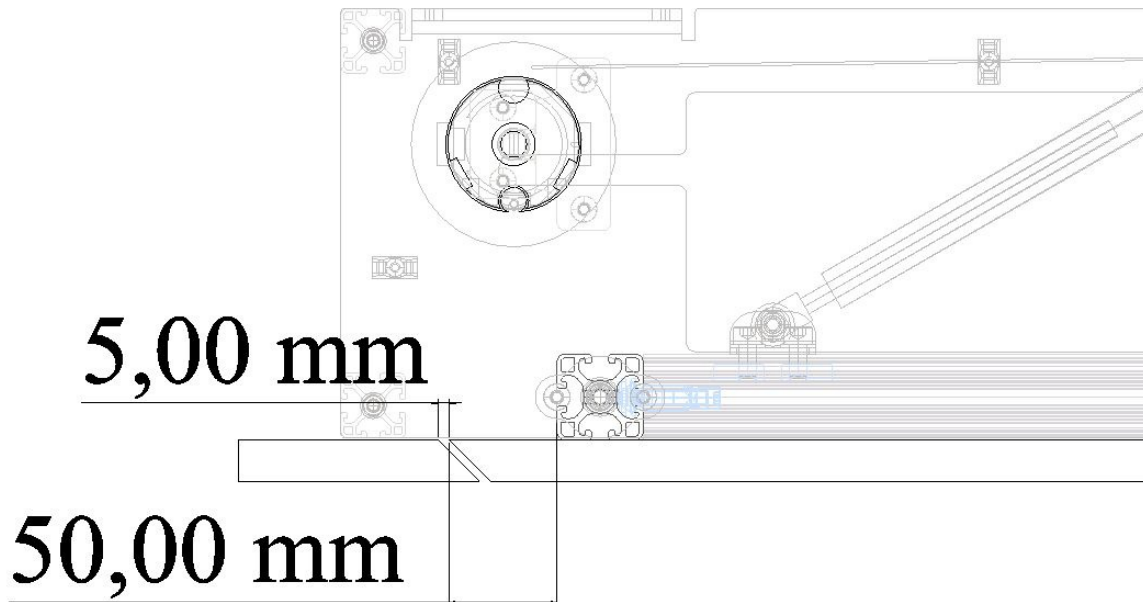
Pin 4 & 5 for up
Pin 4 & 8 for down





Product integration / cover flap paneling:

The Slimline cover flap can be clad in different variations. It is important that you provide an inspection opening that allows you to access the control and drive of the Slimline ceiling lift in the event of a fault.



We recommend a circumferential gap of 5mm. The joint can be equipped with a 45 ° bevel at the front and at the back. It is important that the cladding does not protrude more than 50 mm backwards beyond the axis of rotation, as otherwise collisions may occur.





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