



Operation Manual Lid-O-Matic VE

90° electric top opener with full fold in (furniture integration)



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Intended Use

The product is used to open and close or move furniture surfaces. 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 = 77,5*mm D = 242mm H = 709mm
- > angle max. 90 °
- > lifting speed 7mm / sec
- > flap weight max. 15kg
- > duty cycle 5%
- > Soft Start / Soft Stop
- > Low noise level
- > ambient temperature + 5 ° C to 40 ° C
- > Connection to room control possible (see p.09)
- > millimeter programming of the endpoints (optional)
- > 230V emergency power supply (optional)

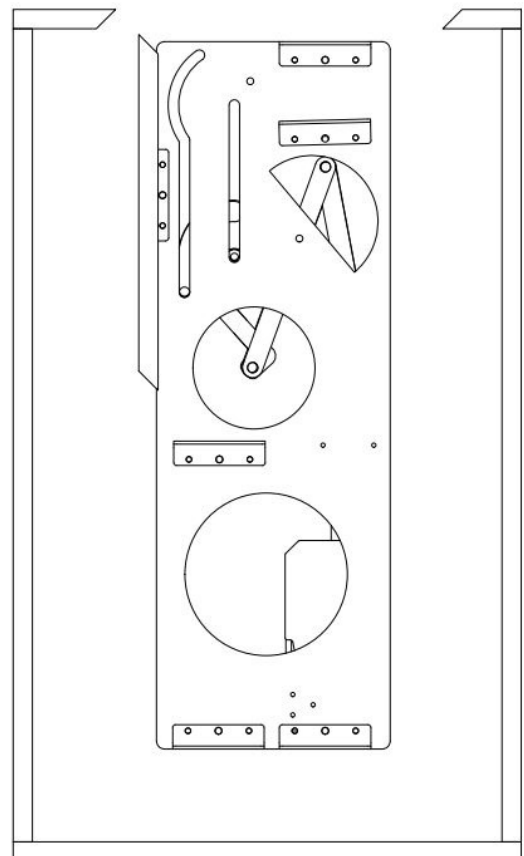
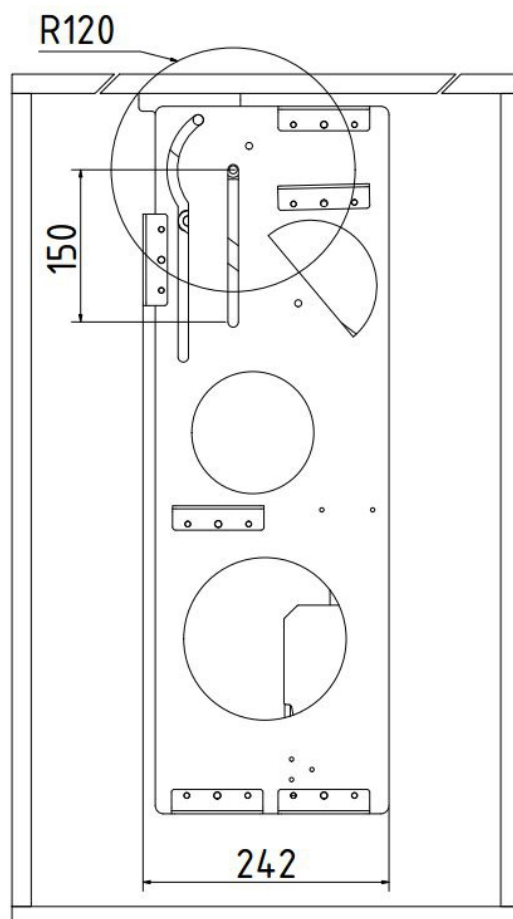
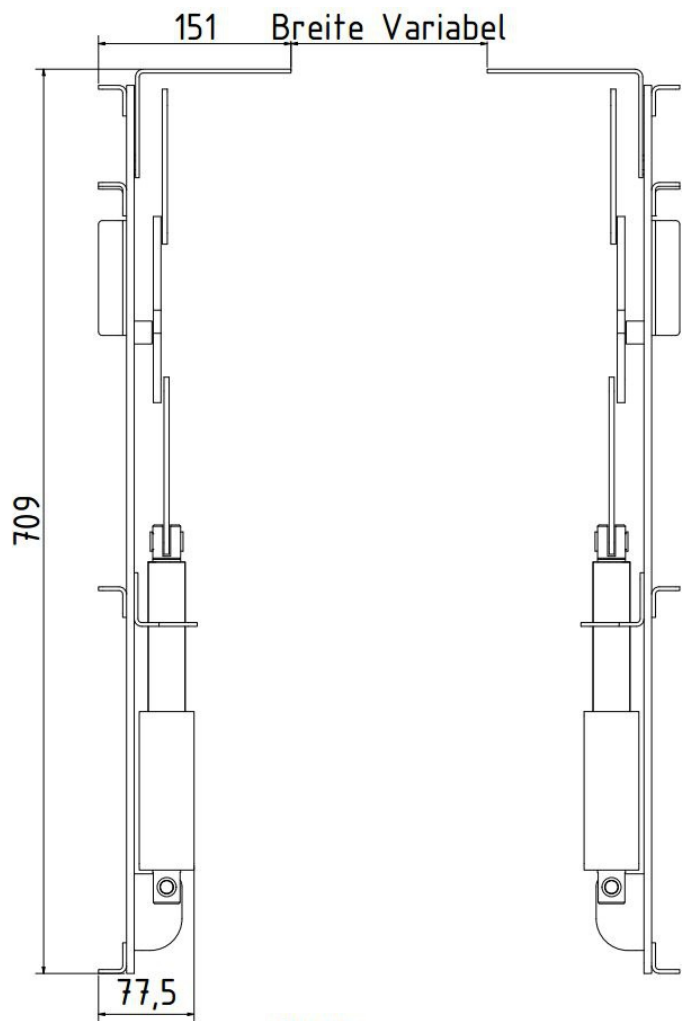
Delivery single system:

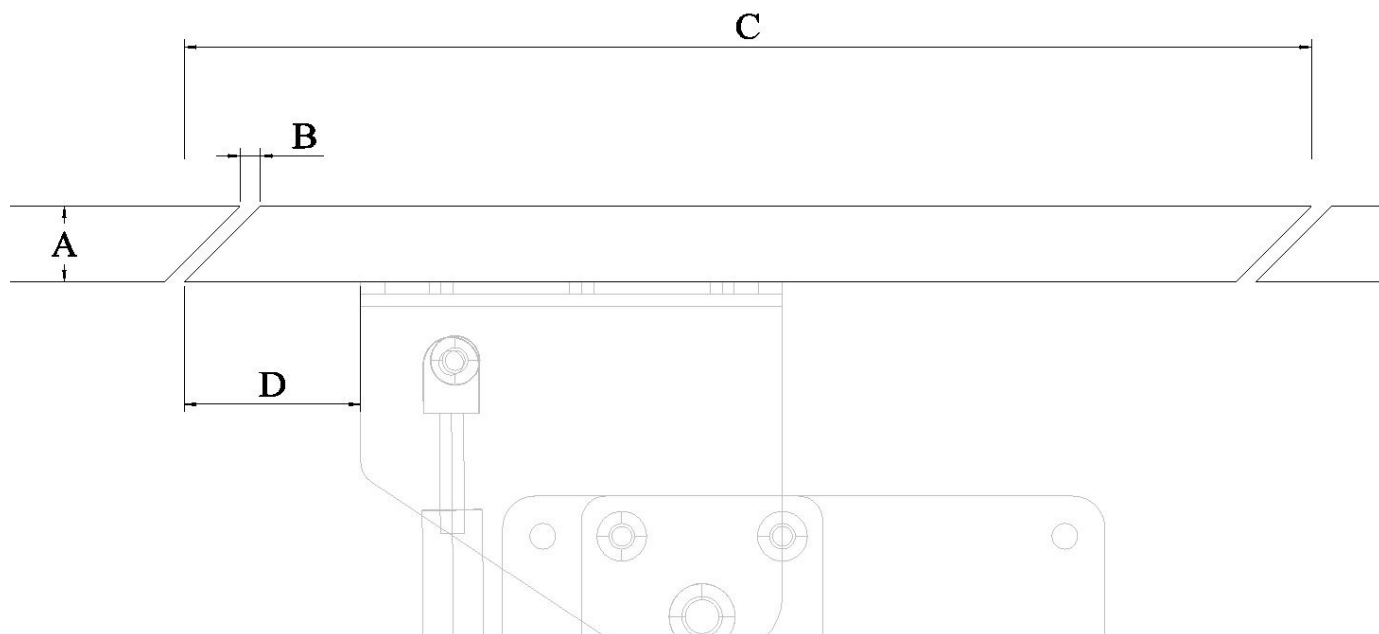
- > Flatlift Lid-O-Matic VE (90° opening with additional full fold in)
- > control box
- > 230V power cable
- > Motor cable
- > 12V power supply for radio receiver
- > 433.92 MHz 2 channel radio receiver
- > 433.92 MHz 2 channel radio transmitter

Scope of delivery combination system:

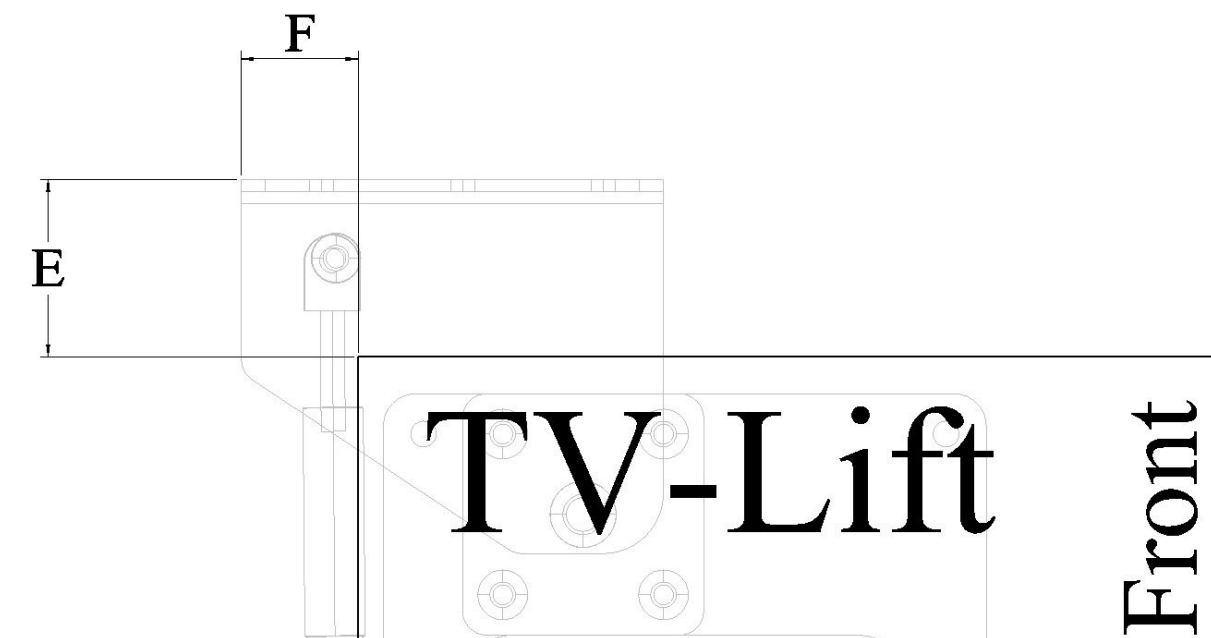
- > Flatlift Lid-O-Matic VE
- > control box
- > 230V power cable
- > Motor cable
- > Lid-O-Matic switching box





**Determine dimensions of the flap size:**

- A) Flap thickness
- B) flap clearance at least 5mm
- C) baffle depth, the flap is about the TV overhang at least 10mm
- D) Flap thickness + 44mm

**Determine positioning of the TV lift:**

- E) Minimum distance 44mm
- F) Minimum distance 29mm



Initial setup single system:

1. Mount the Lid-O-Matic in the furniture.
2. Connect the drives to the motor cables (S.08 Fig. 3) and to the control box (Fig. 2 No. 5) at connection "1" and "2". Motor cables must be connected starting from port 1 in ascending order.
3. Connect the RJ45 Western plug of the radio receiver (S.08 Fig. 4 No. 7) to the Control box (Fig. 2 No. 6).
4. Connect the control box (Fig. 2 No. 7) to the mains voltage with the mains cable (P.08 Fig. 5).
5. Connect the plug-in power supply of the radio receiver (S.08 Fig. 4 No. 8) to the mains voltage.
6. The left button on the remote control (P.08 fig. 6) is for the "up" movement and the right for "down"
7. Initialize the Flatlift by pressing the "Down" button on the transmitter (P.08 fig. 6 no. 9) for 2 x 5 sec. Afterwards you drive your Flatlift 2x completely off and on again.
8. Your Flatlift is now ready for use as the lift endpoints have been saved in the control box.
9. Mount the flap and perform another functional test. Note that possible collisions can damage the system.

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

fig. 1



fig. 2

7

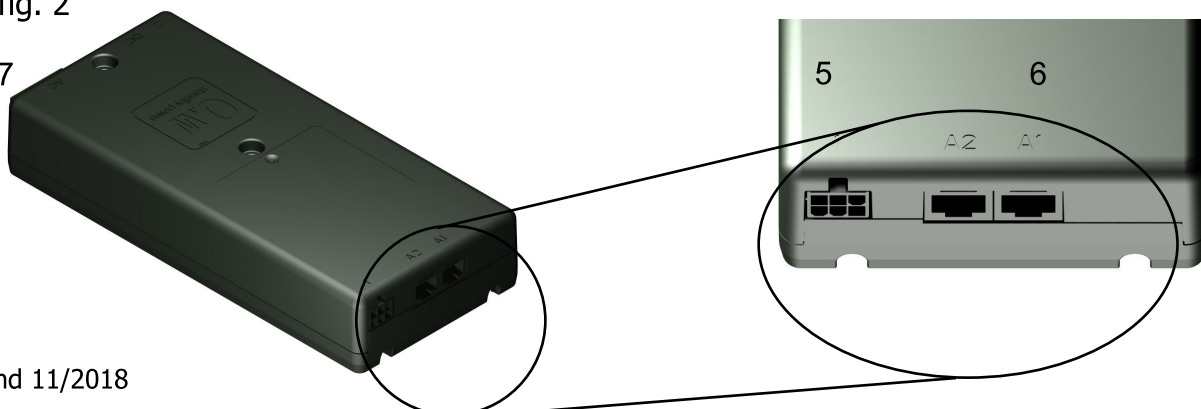




fig. 3



fig. 5



fig. 4

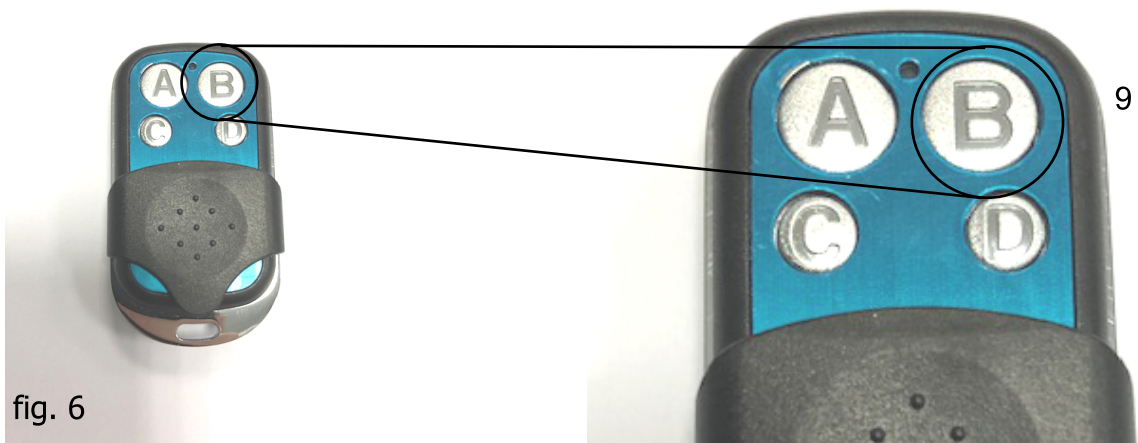


fig. 6

9



RF pairing:

You can get additional remote controls for your system.

Since the transmitters are coded, you have to teach them in.

- 1) Remove the cover (page 07 Fig. 4) on the radio receiver to access the programming button.
- 2) Press the button (fig. 2 no. 1) until the LED (fig. 2 no. 2) lights up.
- 3) Press the button on the remote control (Fig. 1 No. 1). The LED (fig. 3 no. 2) flashes once after the hand-held transmitter detection. The coupling was successful.

If your hand-held transmitter has been read successfully, you should hear a soft "click" in the receiver when you press the key to transmit. If not, repeat the procedure.

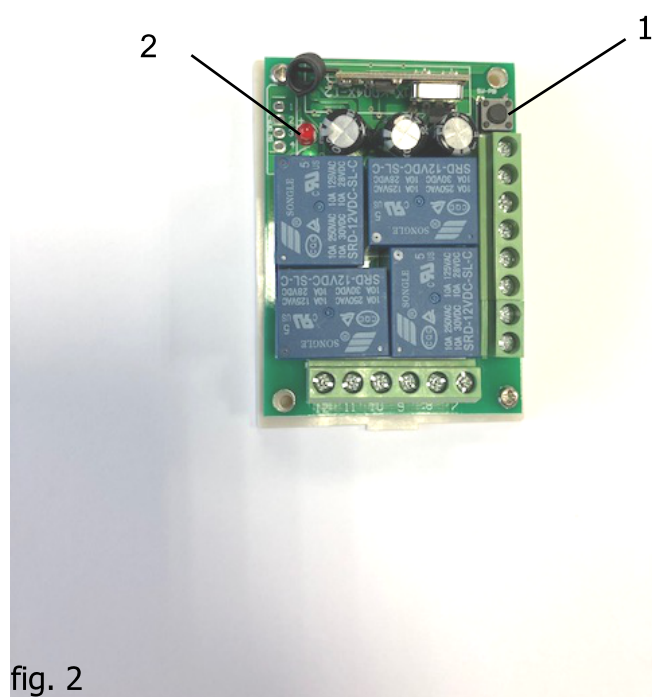


fig. 2



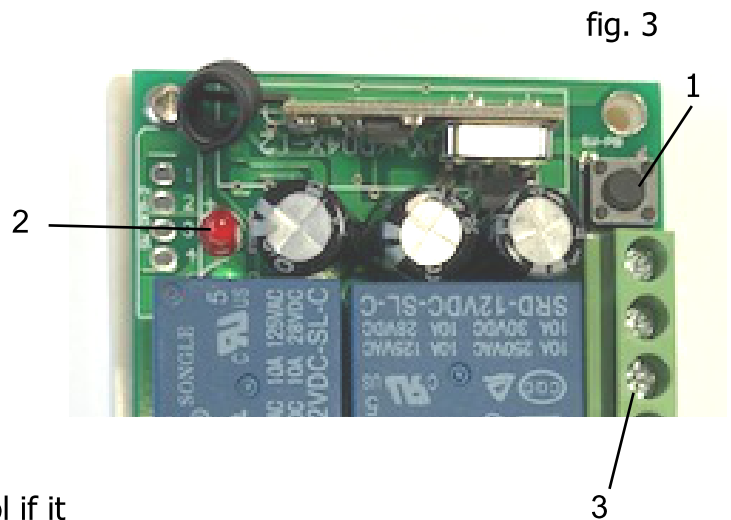
fig. 1



Reset the radio receiver:

It may occasionally happen that the stored transmitter codes in the Lost receiver. In this case, the recipient must be deleted become.

- 1) Remove the cover on the radio receiver to access the programming button.
- 2) Press the programming button (fig. 3 no. 1) for 5 seconds until the LED (fig. 3 no. 2) lights up and then goes out, then release the button. This is the sign of successful deletion.
- 3) Now learn your handheld transmitter again.



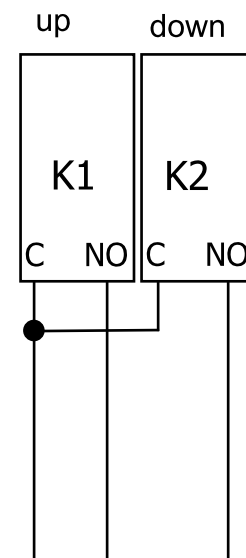
Connection to a room control:

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





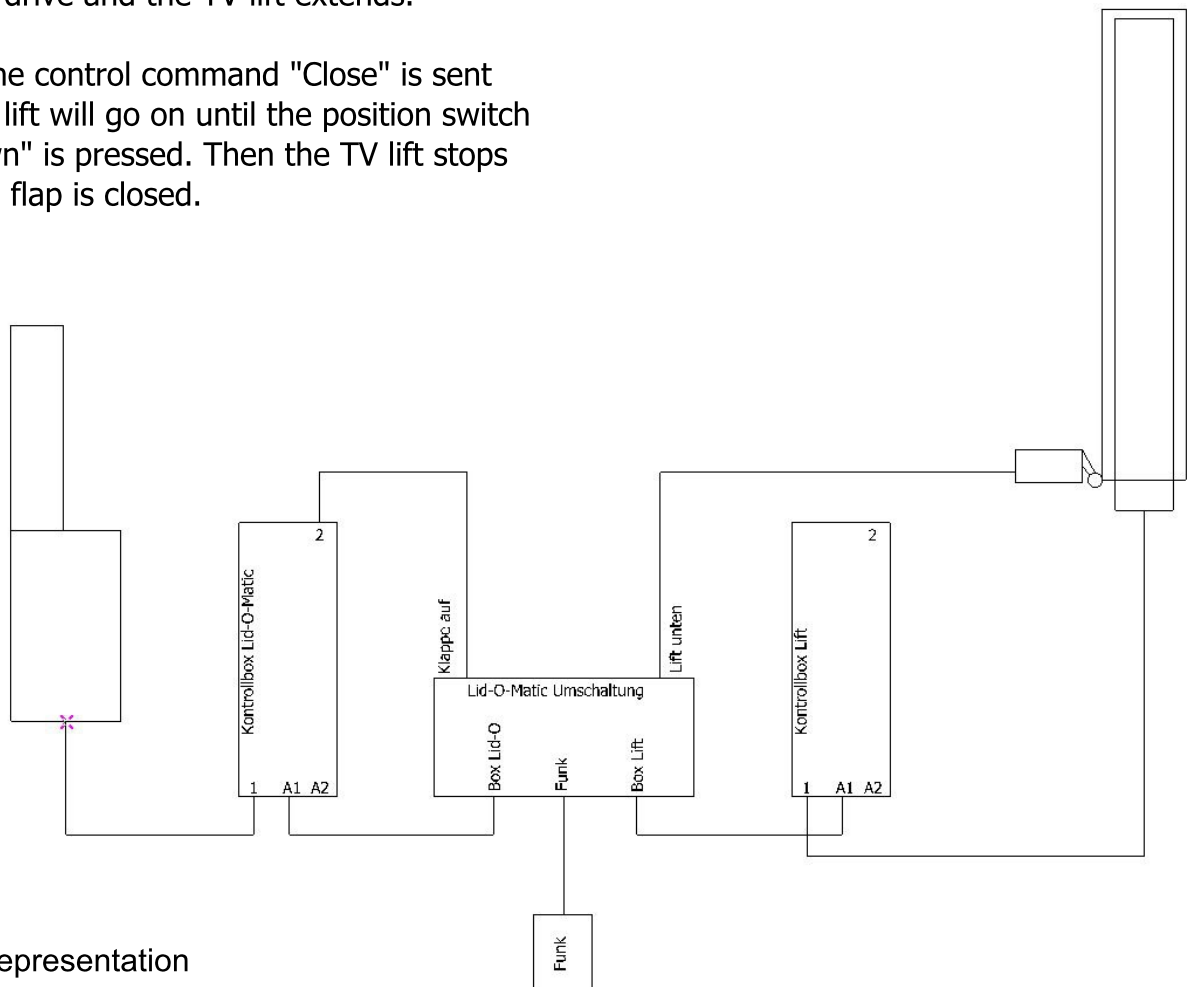
Initial setup combination system:

1. Mount the Lid-O-Matic and TV Lift in the furniture.
2. Connect all cables from the TV Lift according to the instructions. After the TV Lift has been initialised and checked for its proper function, remove the radio receiver from the RJ45 port of the TV Lift control. Instead of the radio receiver connect the control output "Control box TV Lift" of the Lid-O-Matic distribution with the free RJ45 connection of the TV Lift control.
3. Follow the instructions for the initial setup of the Lid-O-Matic on P.06. After the Lid-O-Matic has been initialized and tested for its proper function, remove the radio receiver from the RJ45 port of the Lid-O-Matic controller. Instead of the radio receiver, connect the control output "Control box Lid-O-Matic" Lid-O-Matic distribution with the free RJ45 connector of the Lid-O-Matic control.
4. Connect the radio receiver from the TV Lift to the signal input "Radio" of the Lid-O-Matic distribution.
5. Connect the motor cable of the Lid-O-Matic control with the "Control box Lid-O-Matic" on port 2 or 4
6. Position the "Lift down" position switch of the Lid-O-Matic distribution in the furniture so that it is actuated when the TV lift is retracted.
7. Test the function of Lid-O-Matic and TV Lift via the Lid-O-Matic distribution.

Functional sequence of a combination system:

-> If the control command "Open" is sent,
The flap opens until the Konrtollbox the position
"Flap on" sends to the controller. Then it stops
Damper drive and the TV lift extends.

-> When the control command "Close" is sent
The TV lift will go on until the position switch
"TV down" is pressed. Then the TV lift stops
and the flap is closed.



simplified representation



Fault diagnosis:

If your Lid-O-Matic VE 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?
- > top material too heavy?
- > Possibly radio channel deleted!
- > Programming error on the room control!
- > Endpoints wrongly set!

Have you equipped the flap with a too heavy top material?

- > Relieve the 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