

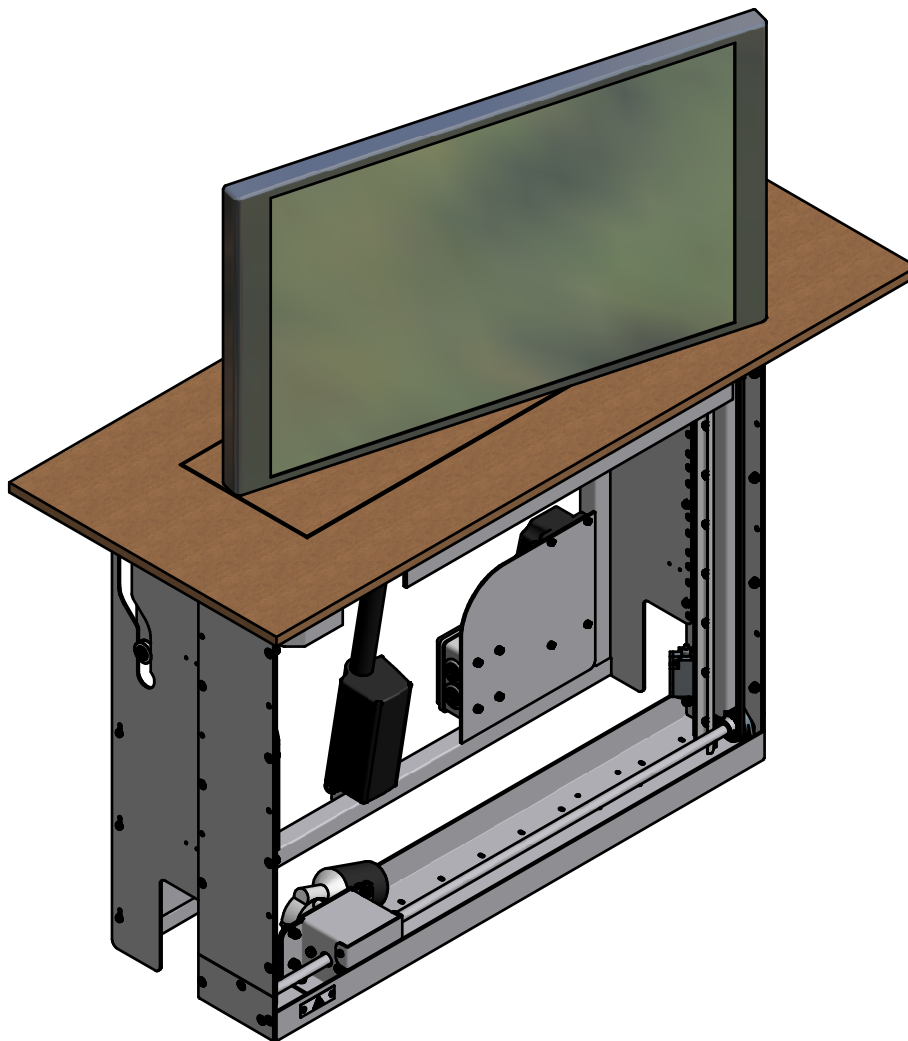


AUDIPACK®

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- Flat panel lift system
- Flat panel lift and rotate system
- Flat panel lift and hatch system
- Flat panel lift, rotate and hatch system
- Optional safety strip

Montagevoorschrift
Mounting instructions
Instructions de montage
Montageanleitung



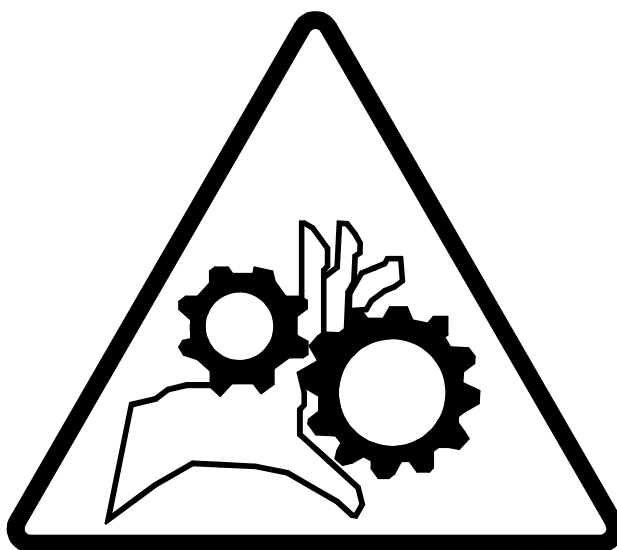
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WARNING:

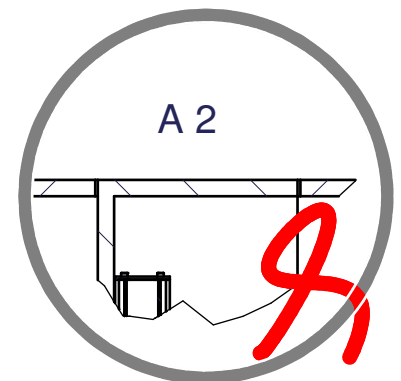
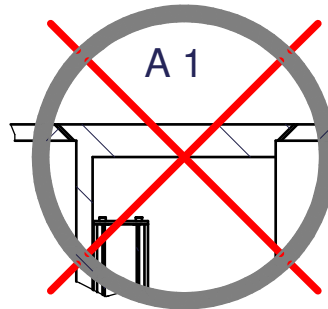
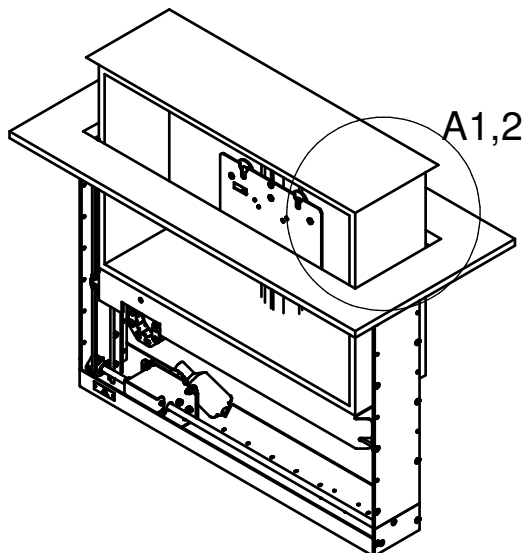
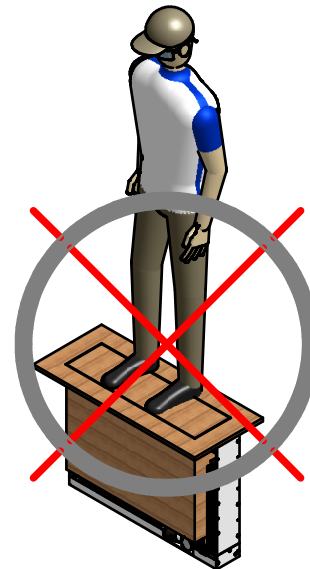
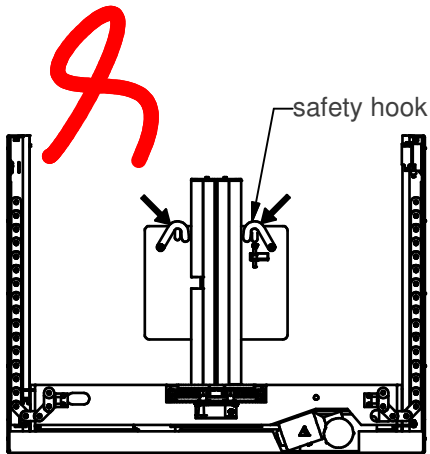
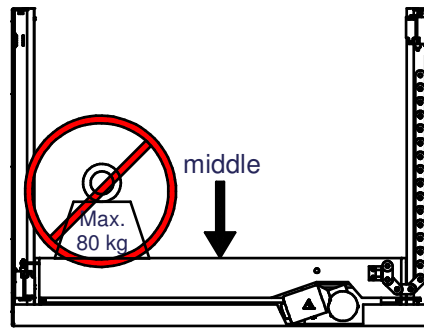
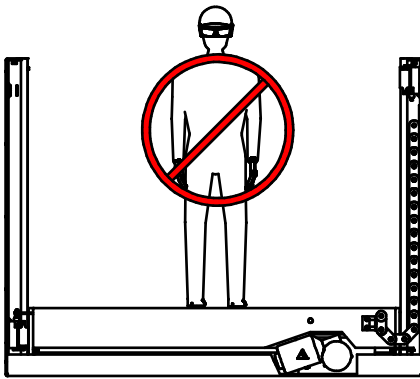
Possible damage or differences (from the manual instructions) caused by the installation which may influence the functioning of the lift-system are to be reported to the dealer (supplier) and must be repaired/fixed immediately.

Attention:

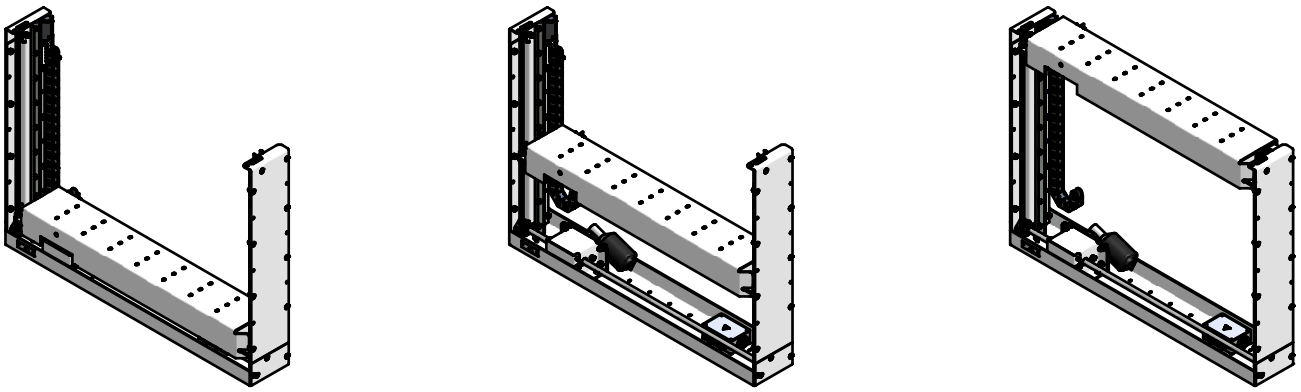
Beware of fingers, tools, hairs and clothing when installing the system.
When testing the system beware of the silent and strong motor drive!



Attention!



Mounting the lift system.



Standard colour RAL 9005 (black).

1. Mounting instructions -screws-

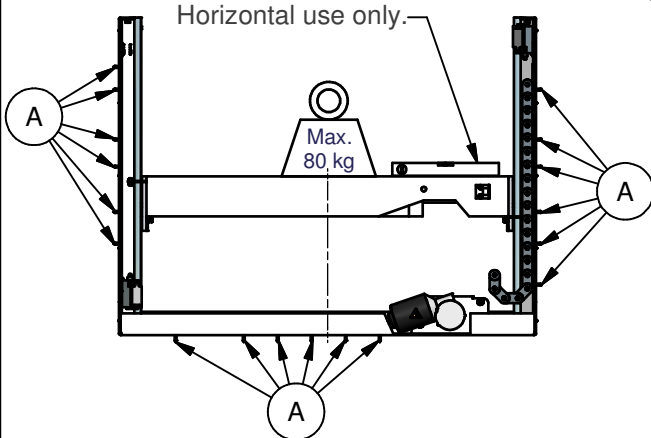


Screw min length: 25mm, (min 18x)

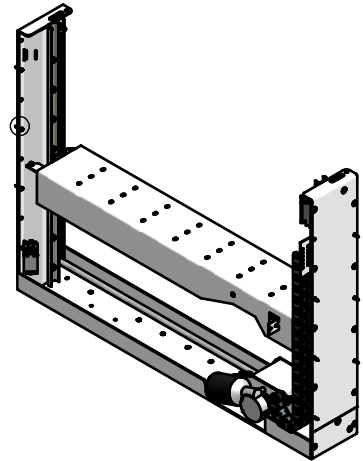
A

Horizontal use only.

Max.
80 kg



A



Mounting instructions -bolts-

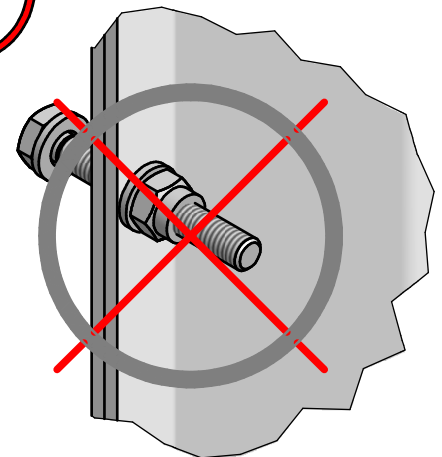
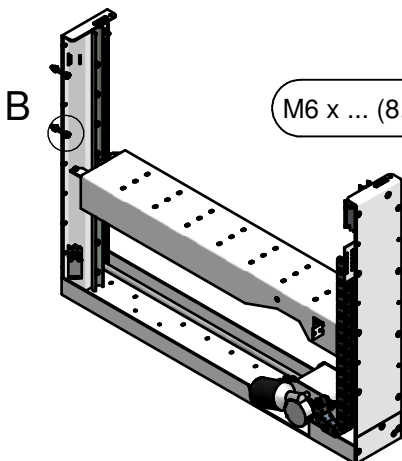


B

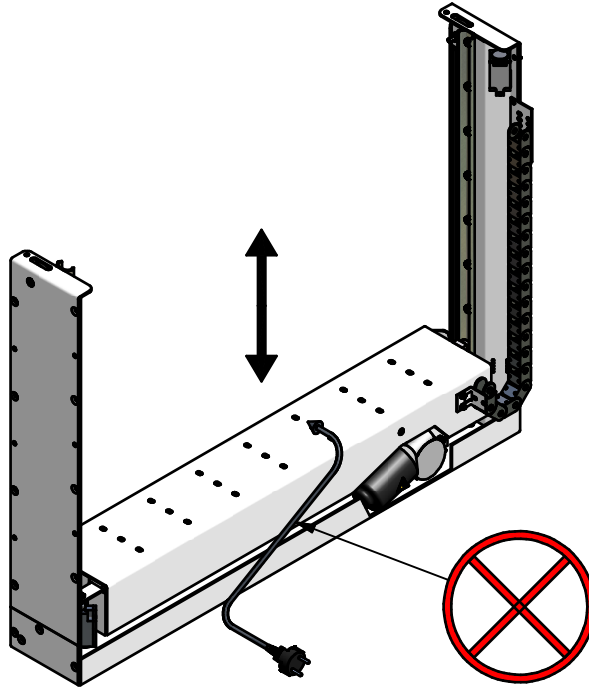
M6 x ... (8.8)



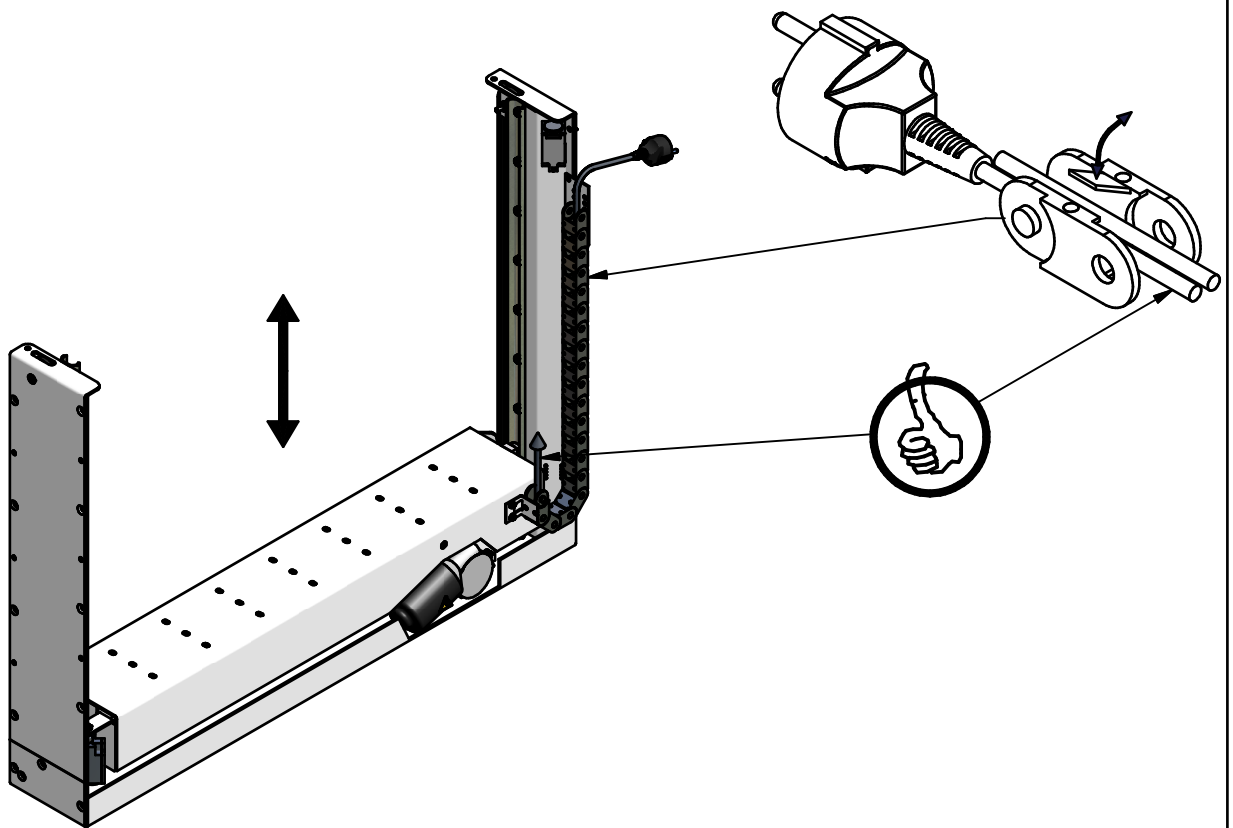
B



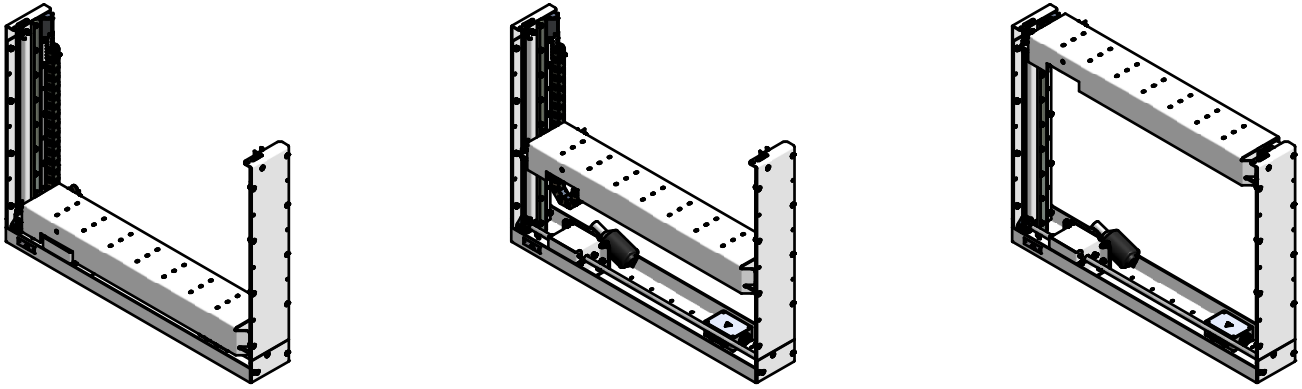
Cable guidance



ALWAYS use the cable guidance(s)

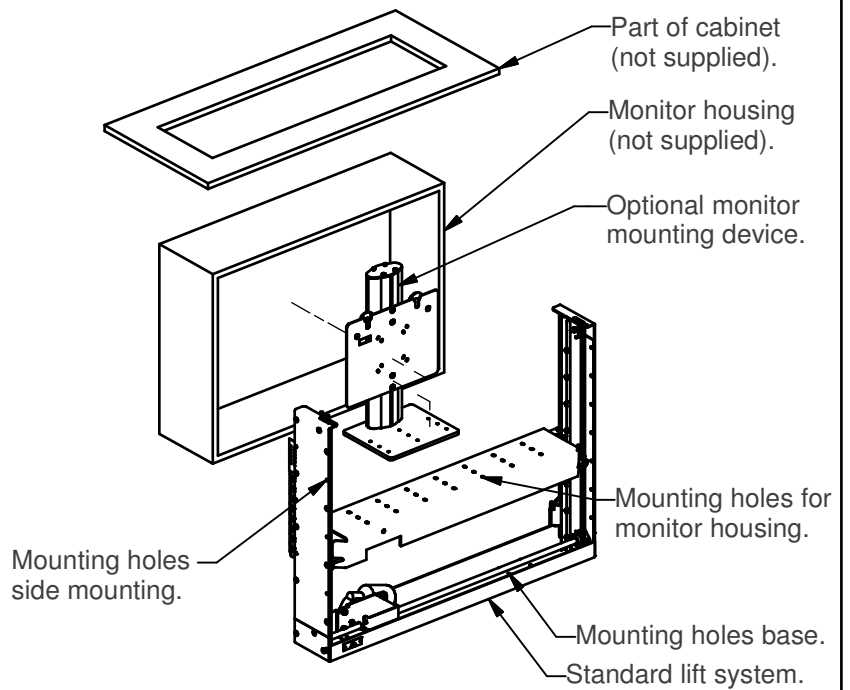
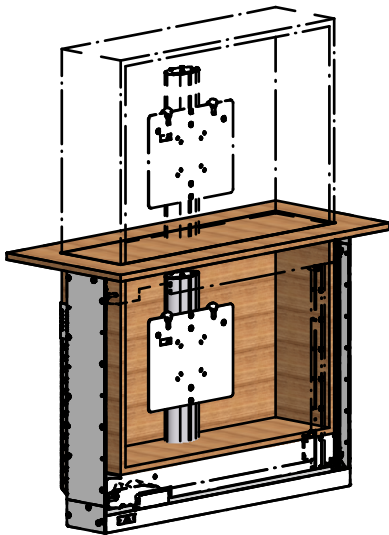


Lift system.

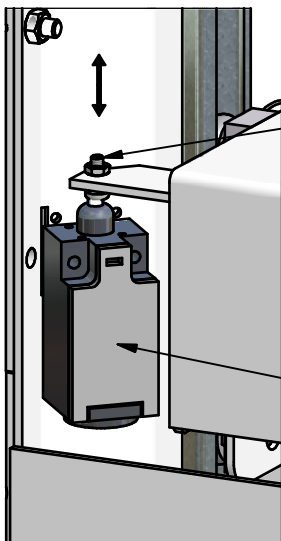


Standard colour RAL 9005 (black).

Application.



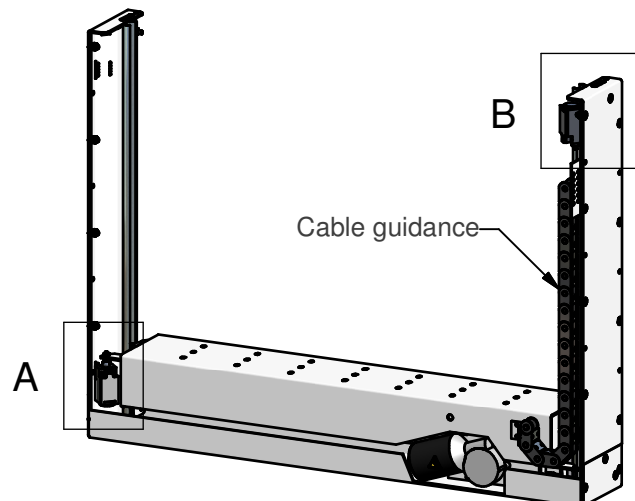
Adjusting limit switches lift.



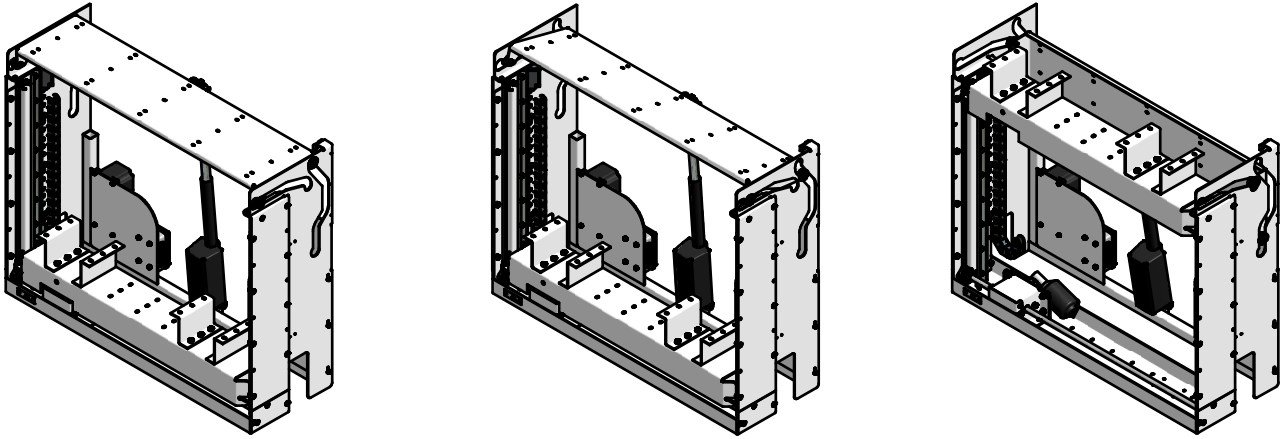
A (lower position)
B (Upper position)

1. untighten M4 nut.
2. adjust M4 screw.
3. tighten M4 nut again.

Limit switch.

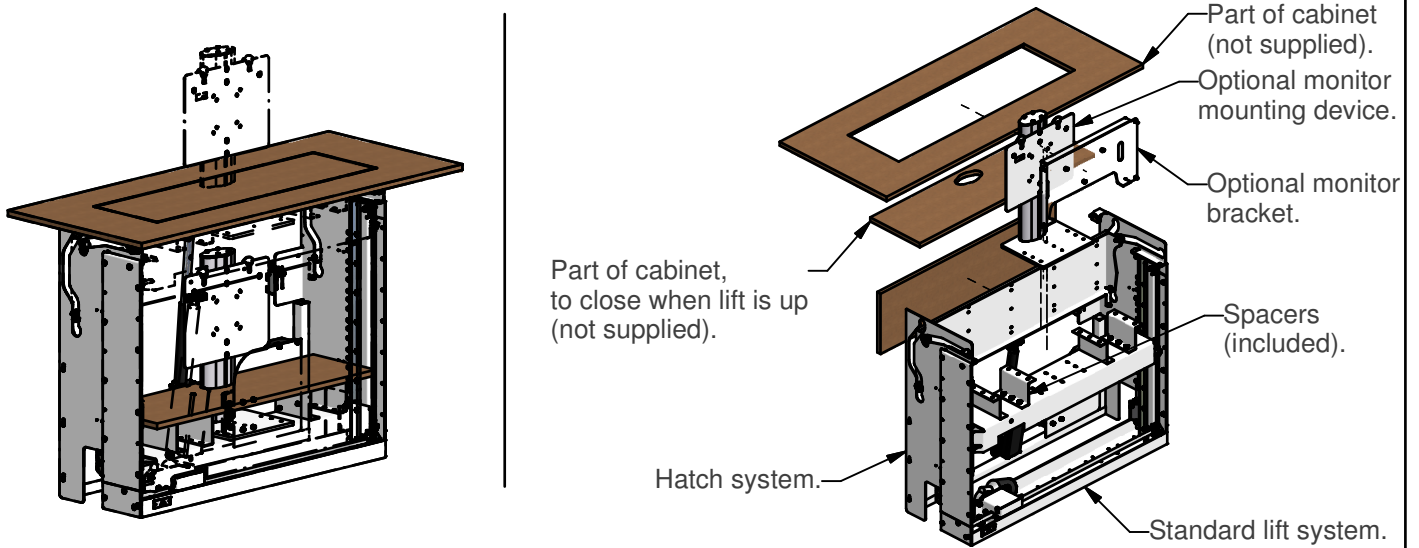


Lift and hatch system.

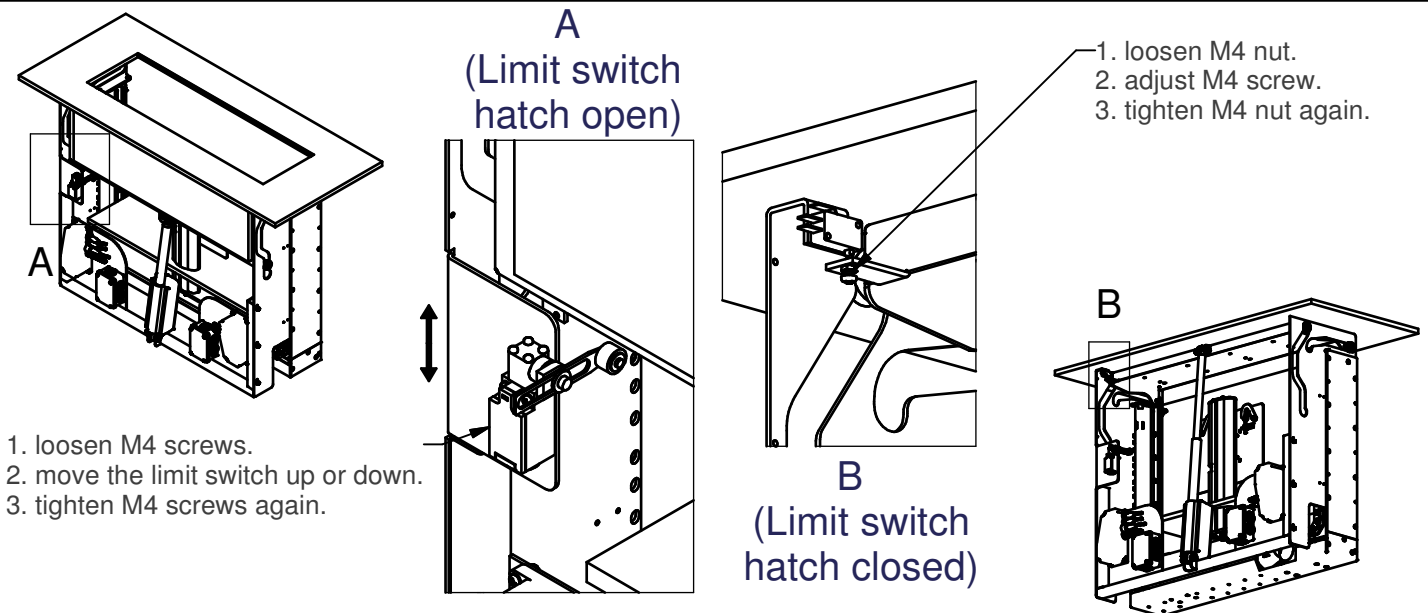


Standard colour RAL 9005 (black).

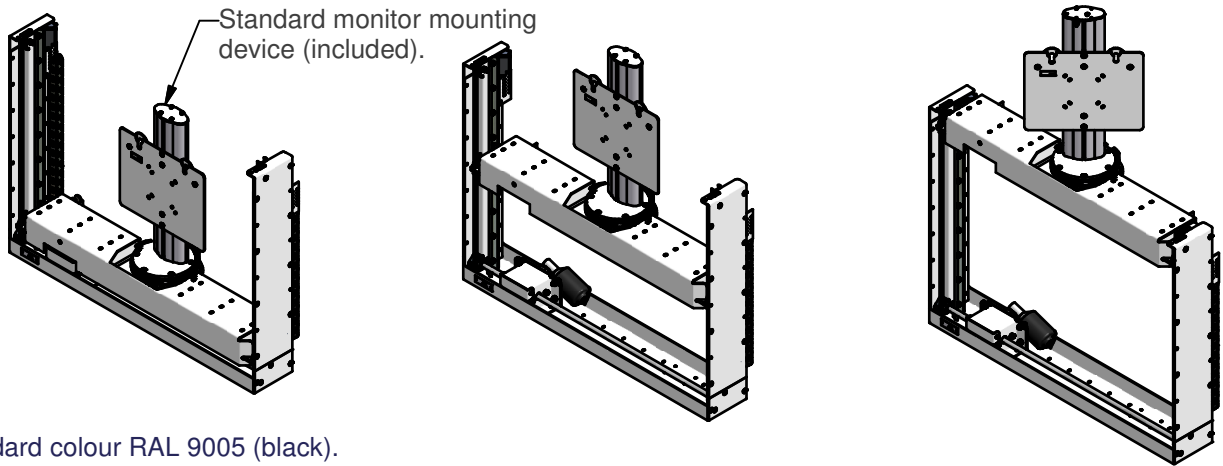
Application.



Adjusting limit switches hatch.

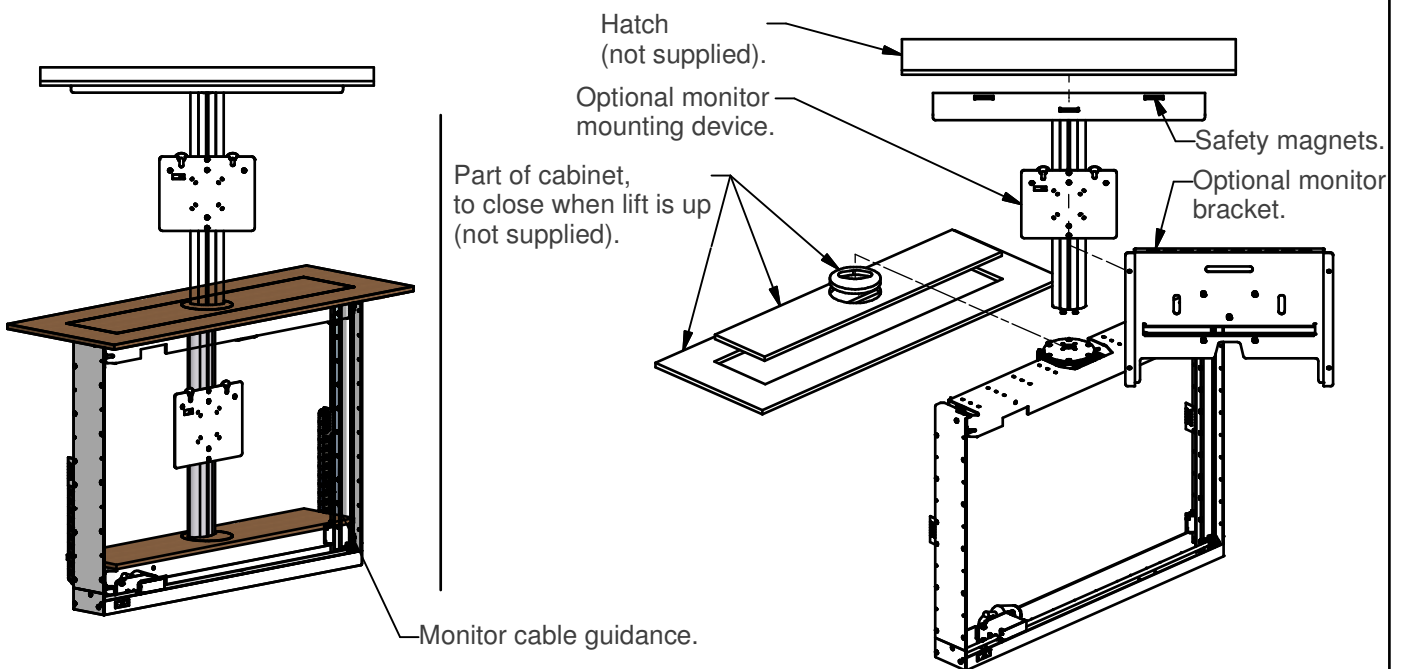


Lift and rotate system.

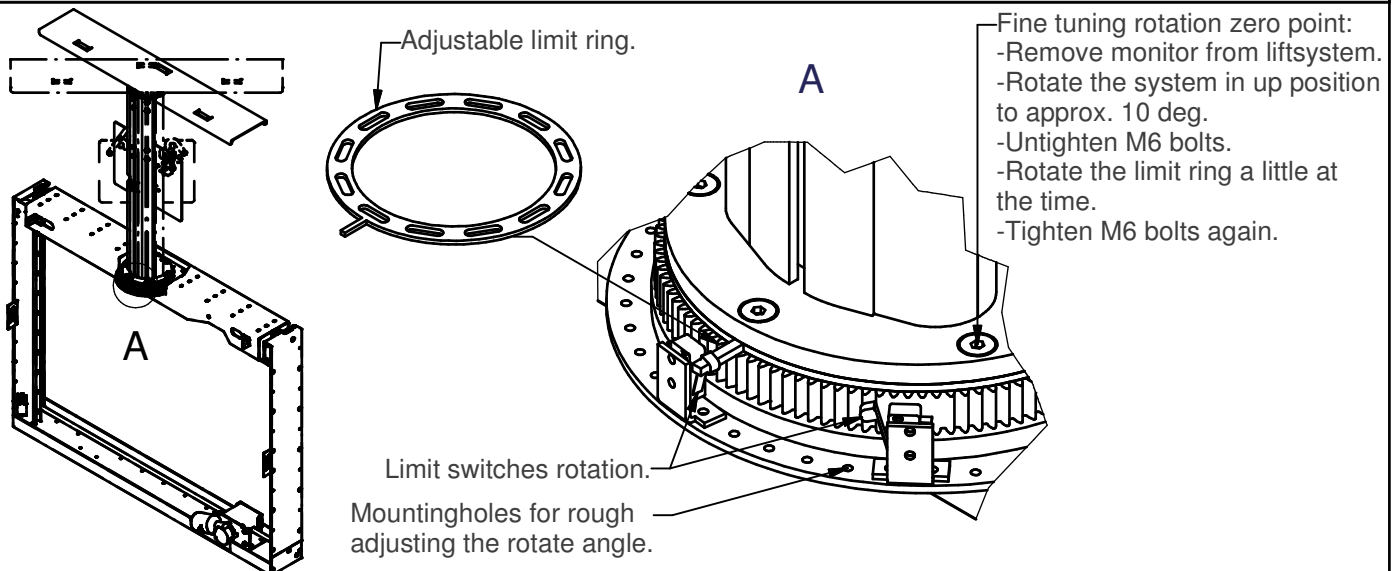


Standard colour RAL 9005 (black).

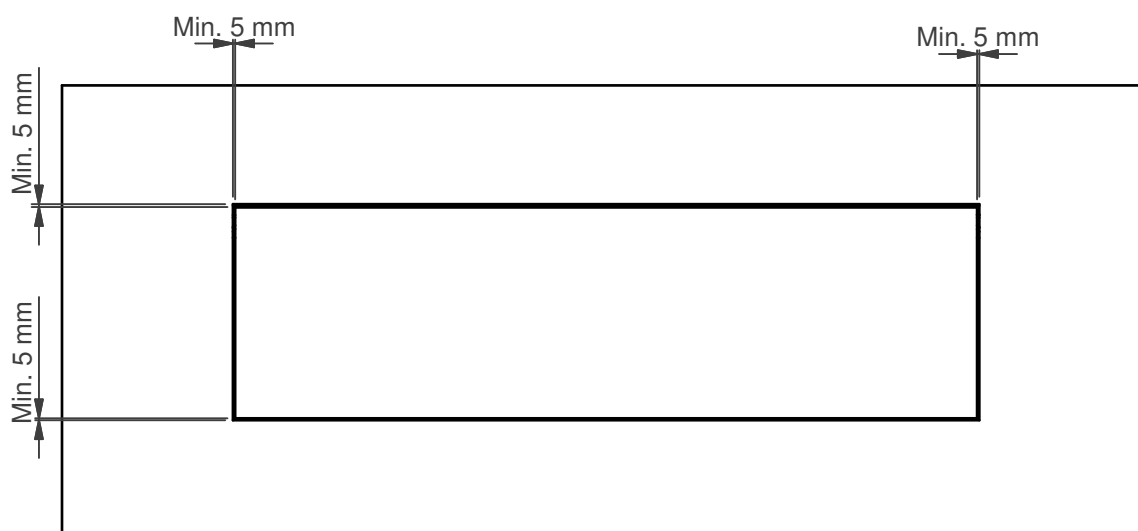
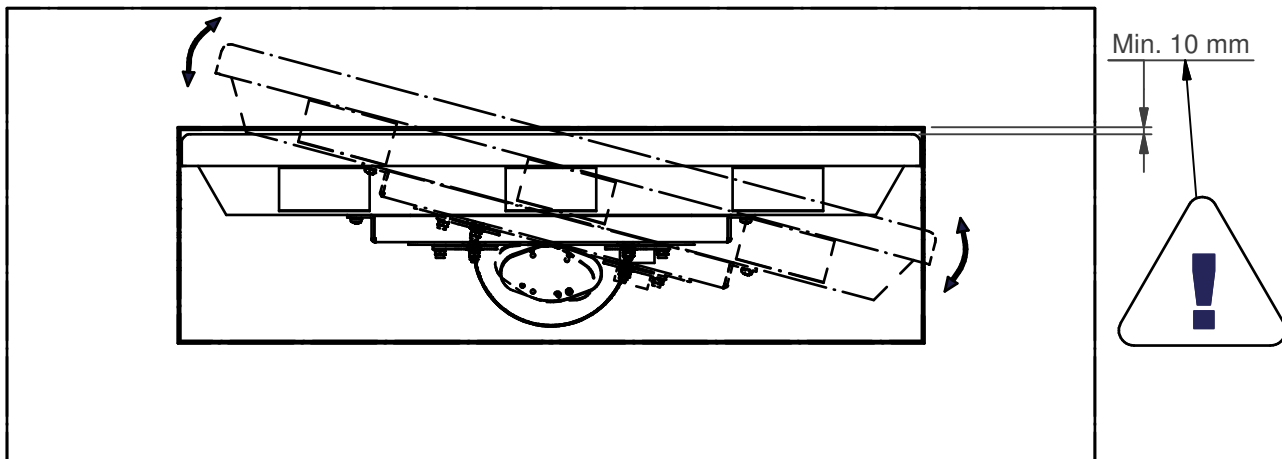
Application.



Adjusting limit switches rotation.

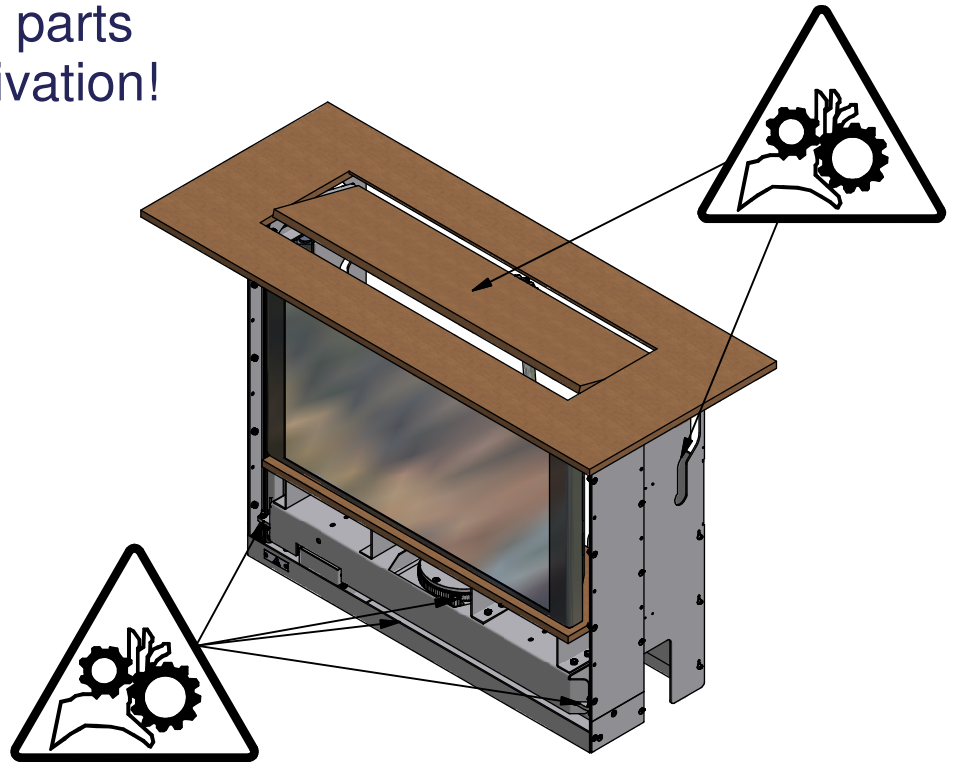


Attention!

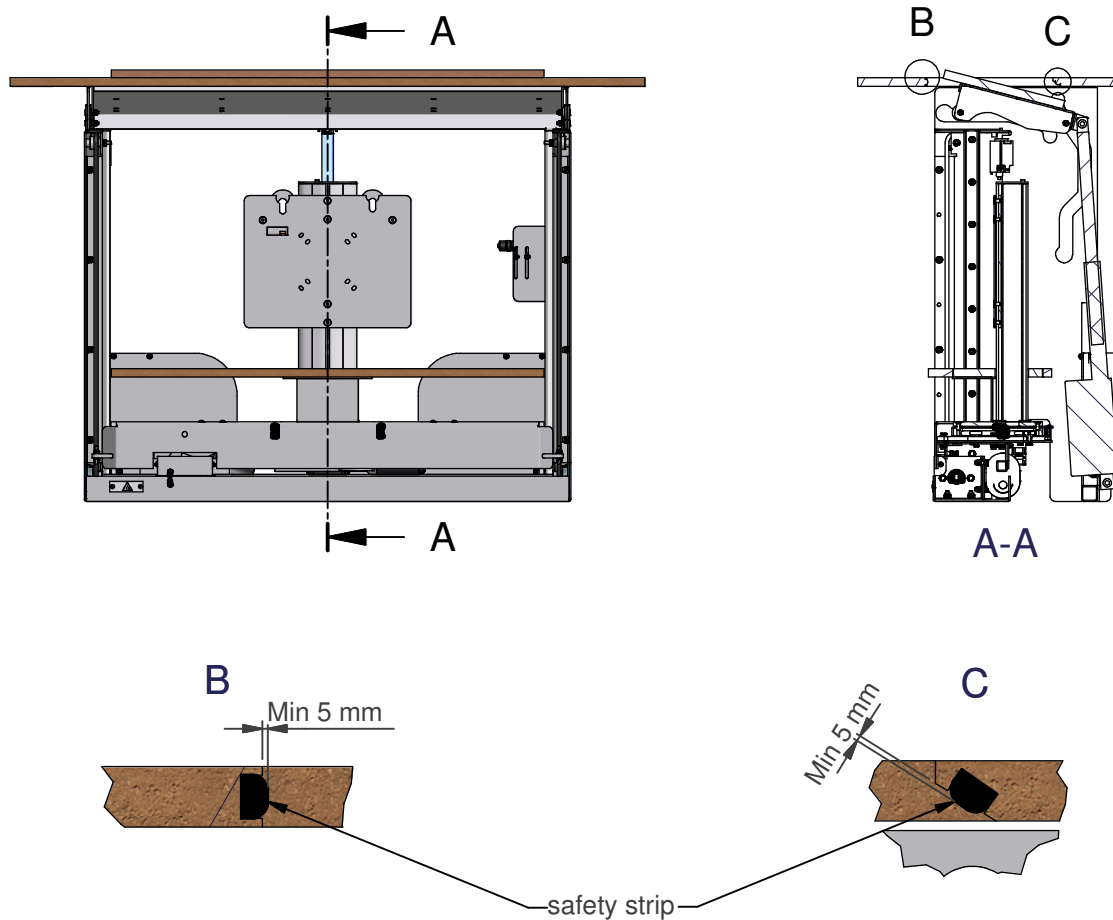


Safety strips

Beware of moving parts during system activation!

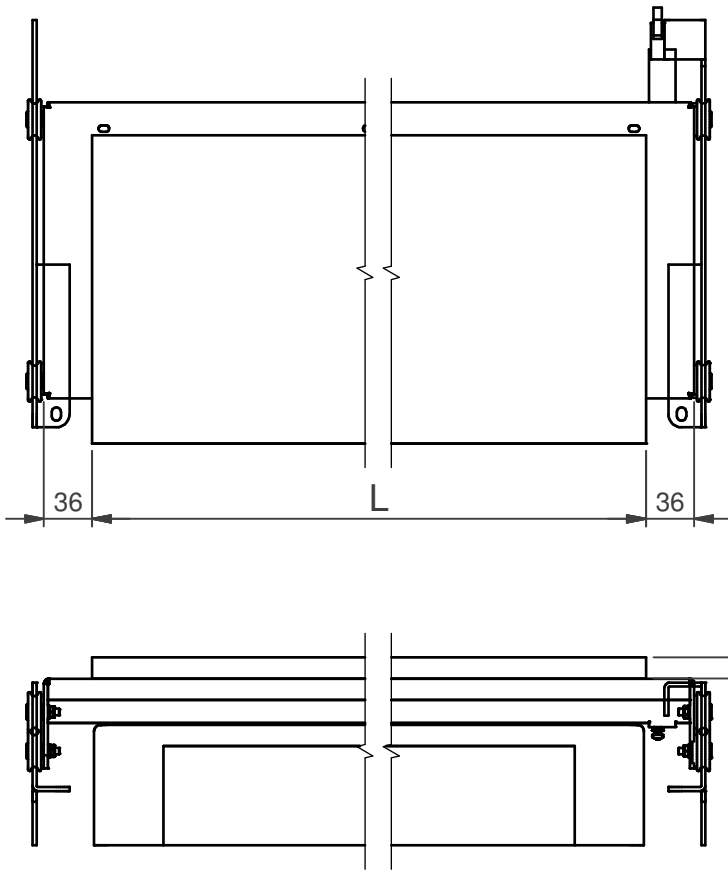


Positioning the rubber safety strips



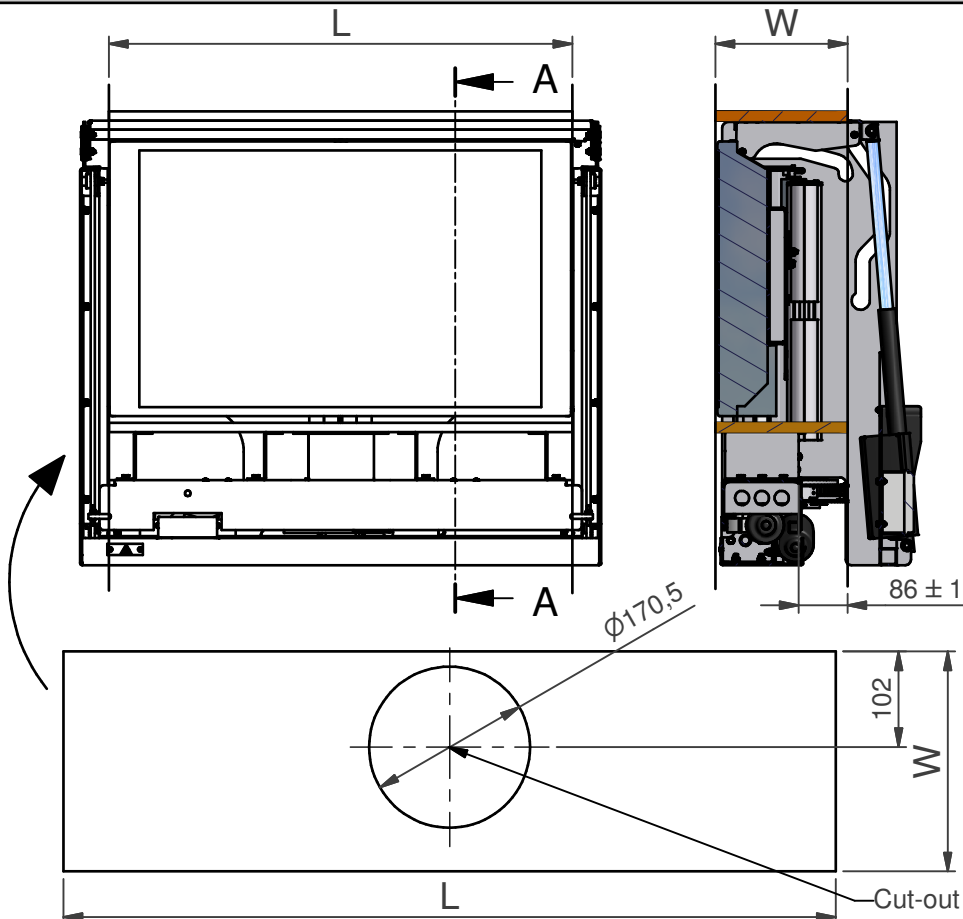
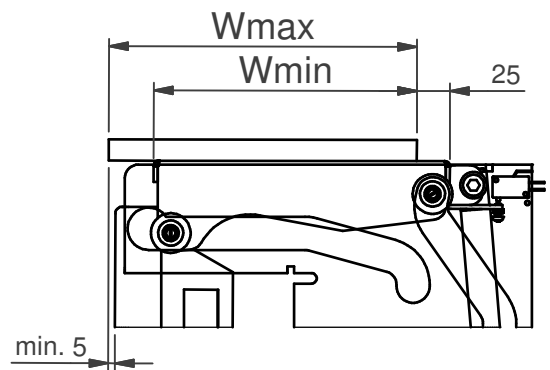
Do not cut, shorten or bend the rubber safety strip!

Panel dimensions electric hatch.



MODEL	L	W _{min}	W _{max}
A	818	200	243
A1	1018	200	243
B	1108	200	283
B1	1308	200	283
C	1273	200	283
C1	1473	200	283

NOTE: All dimensions are ±..., in mm.



Disc cut-out optional rotation.

SCALE 1:1

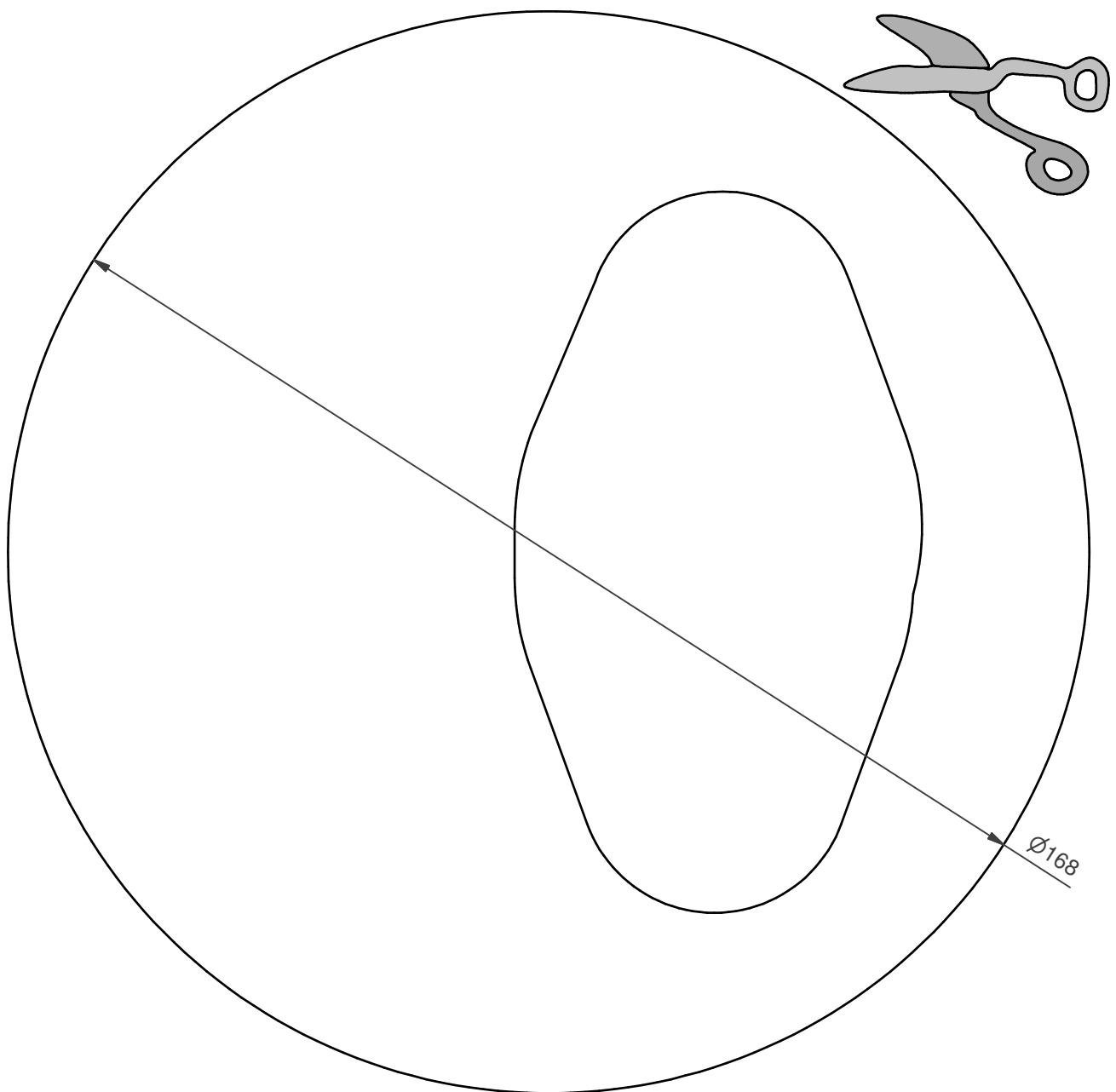
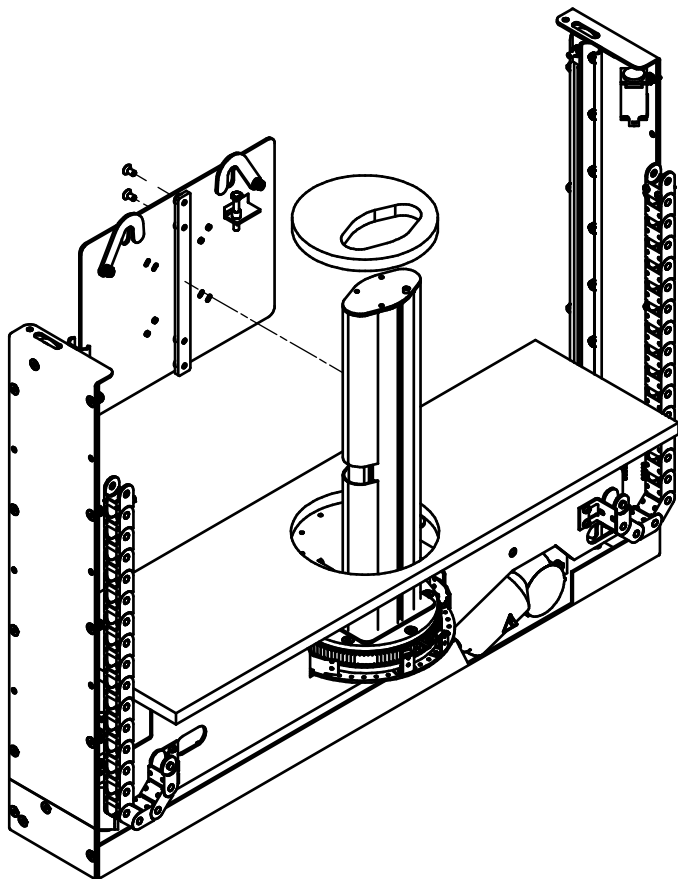
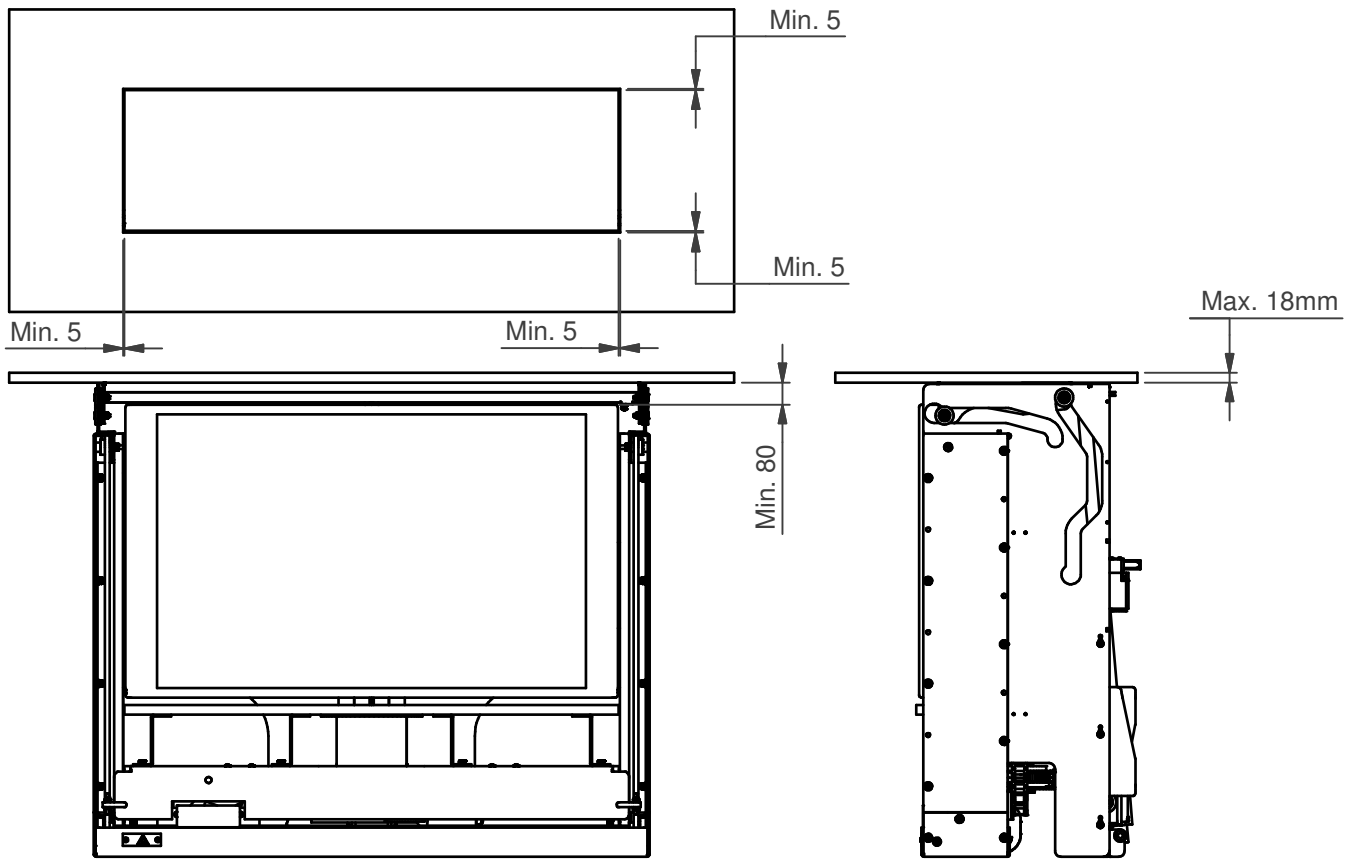
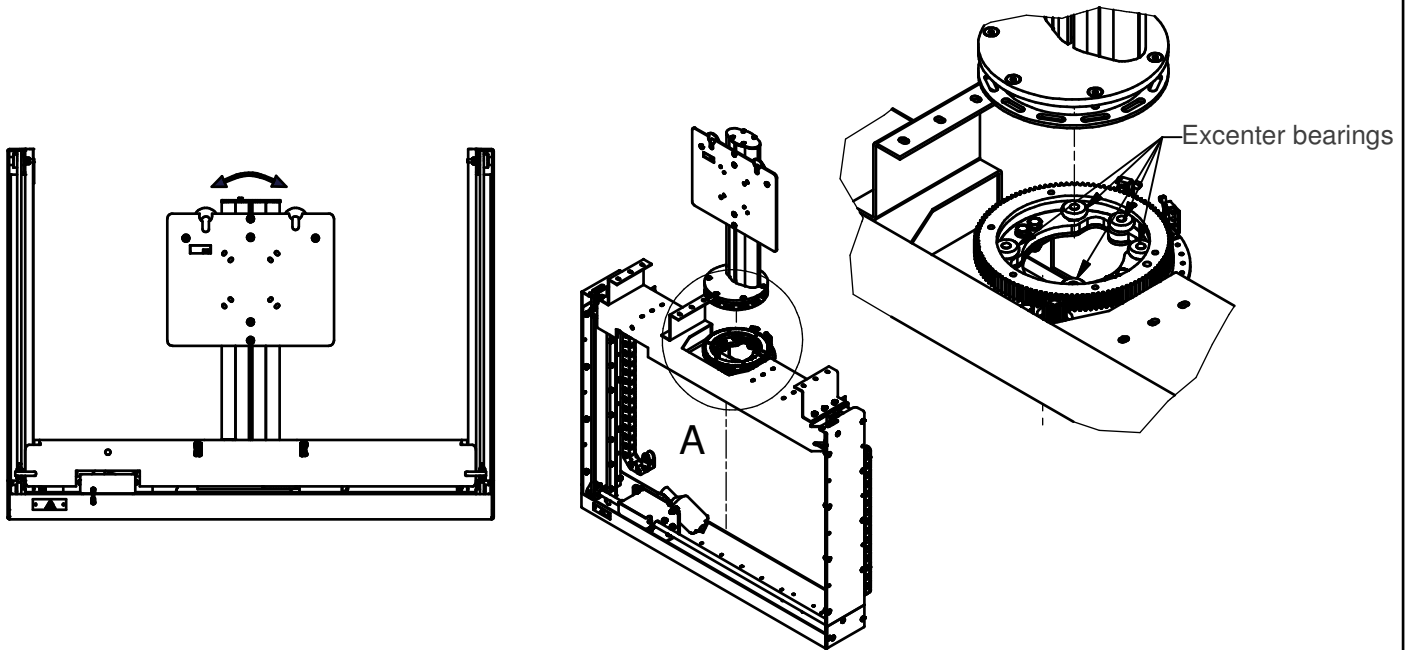


Table top finishing, electric hatch.



Maintenance: bearings of rotate system

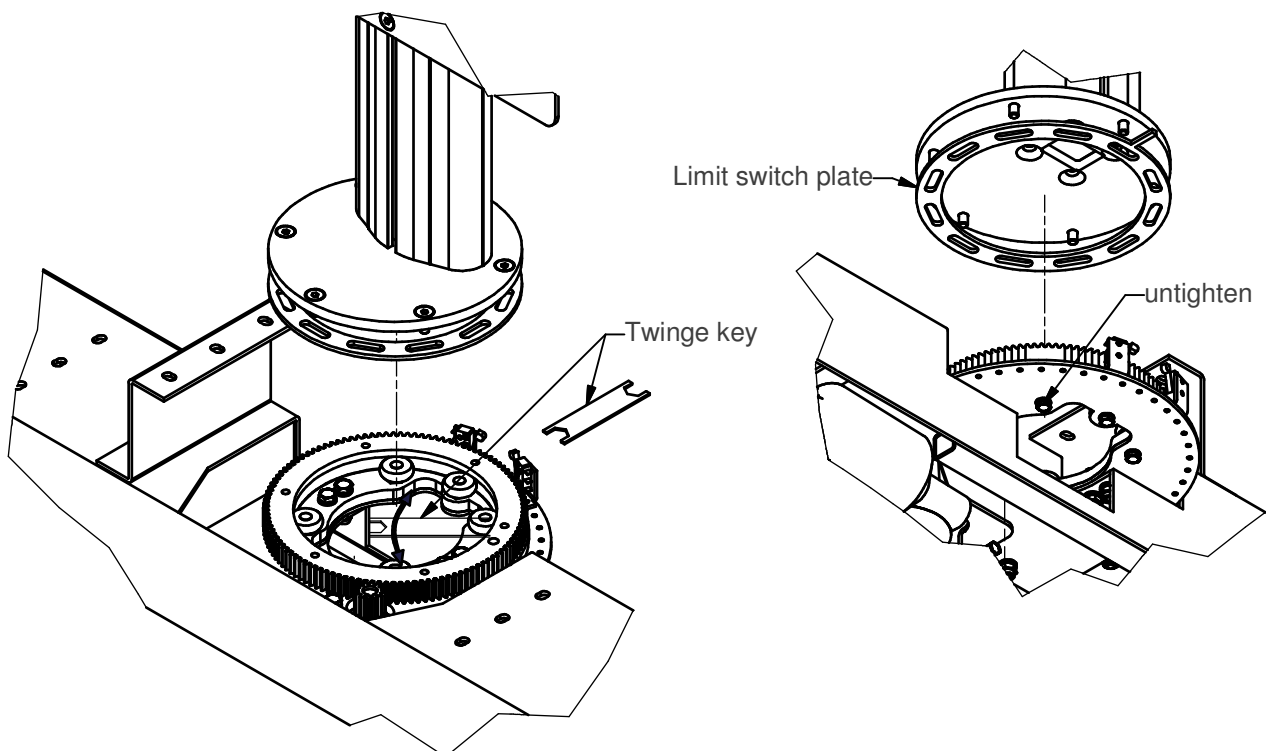


For readjusting the rotation bearings follow the next instructions:

Position the lift in the upper position.
Remove the flat screen from the lift.
Release the screws in the top of the round plate.
By removing the round plate all bearings are visible.

Explanation:

The bearings are mounted on a base plate.
By loosening the M5 screws below the plate, it is possible to rotate the bearing with the special twinge key.
With the special Twinge key the excentric bearing can be adjusted. In this way the tolerance can be made smaller.
After adjusting, firmly tighten the M5 screws below the base plate.



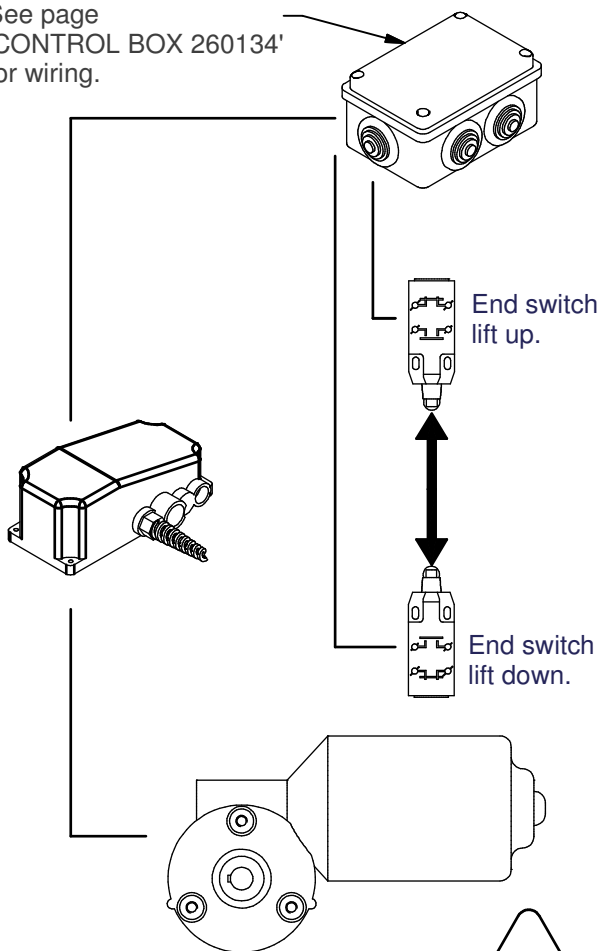
Performed by authorised personnel only!

Electrical equipment.

Lift with hatch

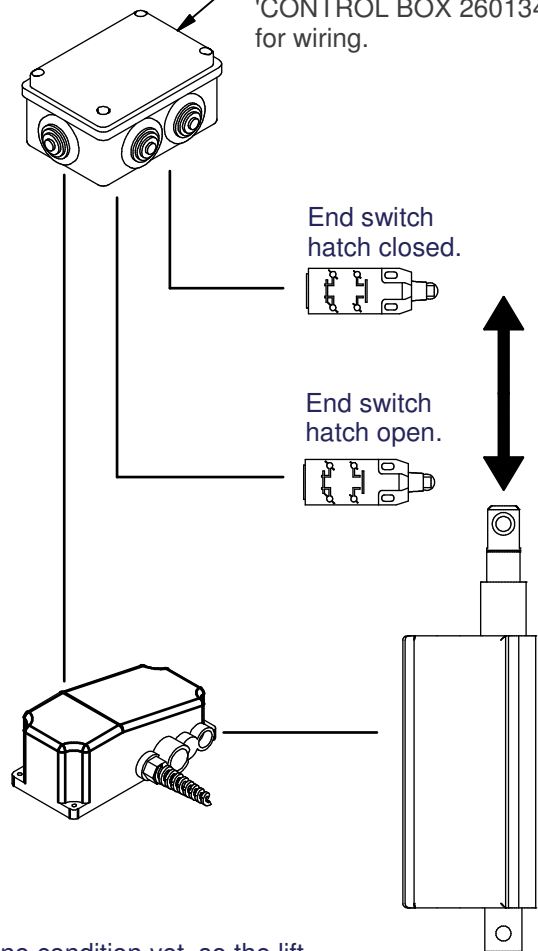
Lift

See page 'CONTROL BOX 260134' for wiring.



Hatch

See page 'CONTROL BOX 260134' for wiring.

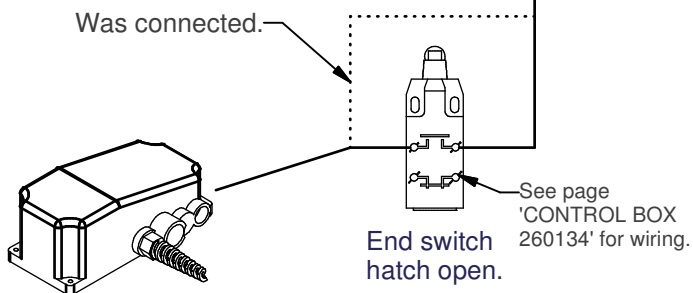
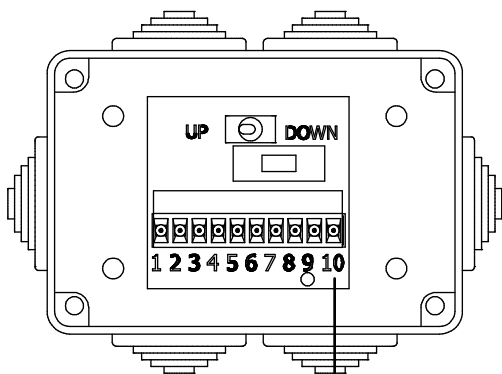


Beware; there is no condition yet, so the lift can go up while the hatch is closed!
Please see next drawing.

Additional condition

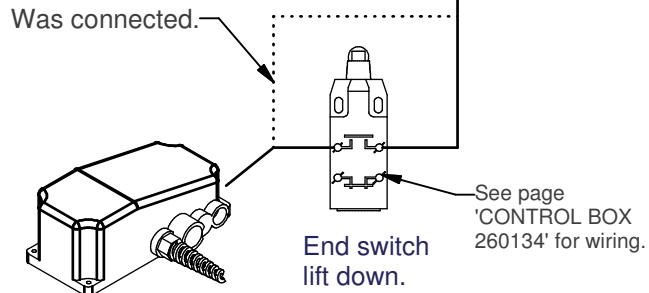
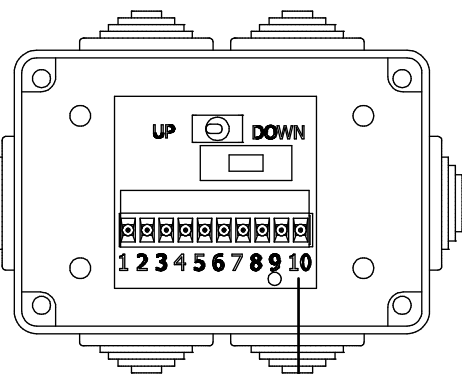
Lift

Hatch must be completely opened to be able to move the lift up.



Hatch

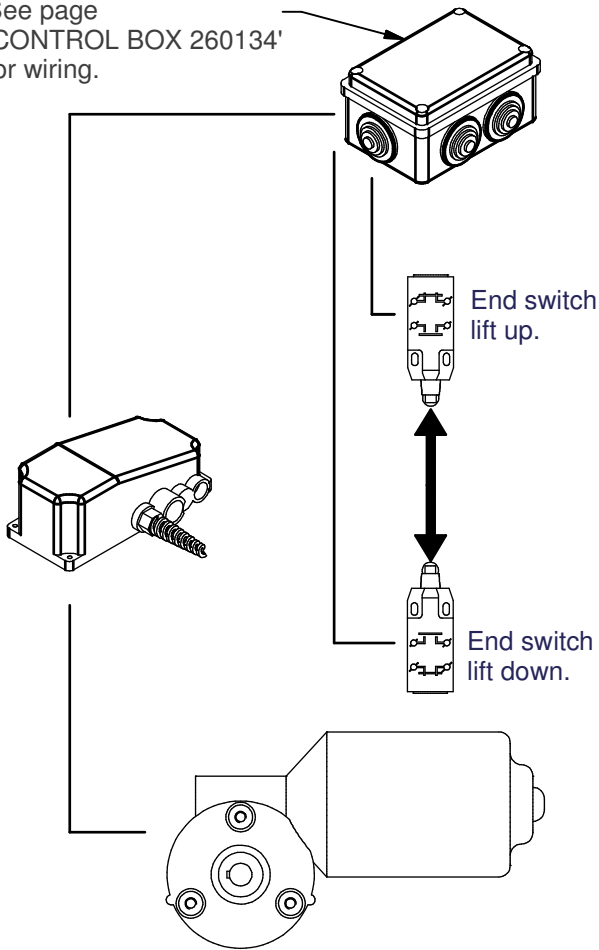
Lift has to be completely down to be able to close the hatch.



Lift with hatch, with rotation

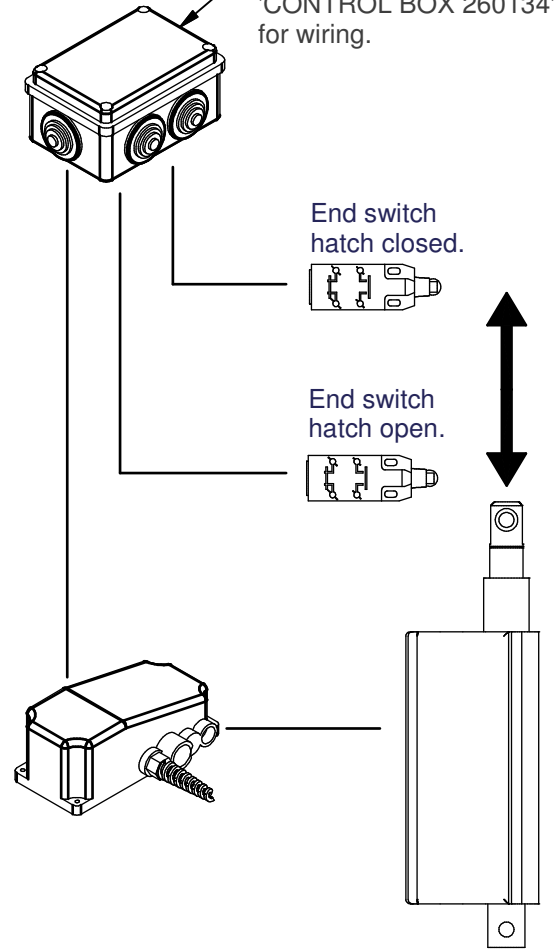
Lift

See page 'CONTROL BOX 260134' for wiring.



Hatch

See page 'CONTROL BOX 260134' for wiring.

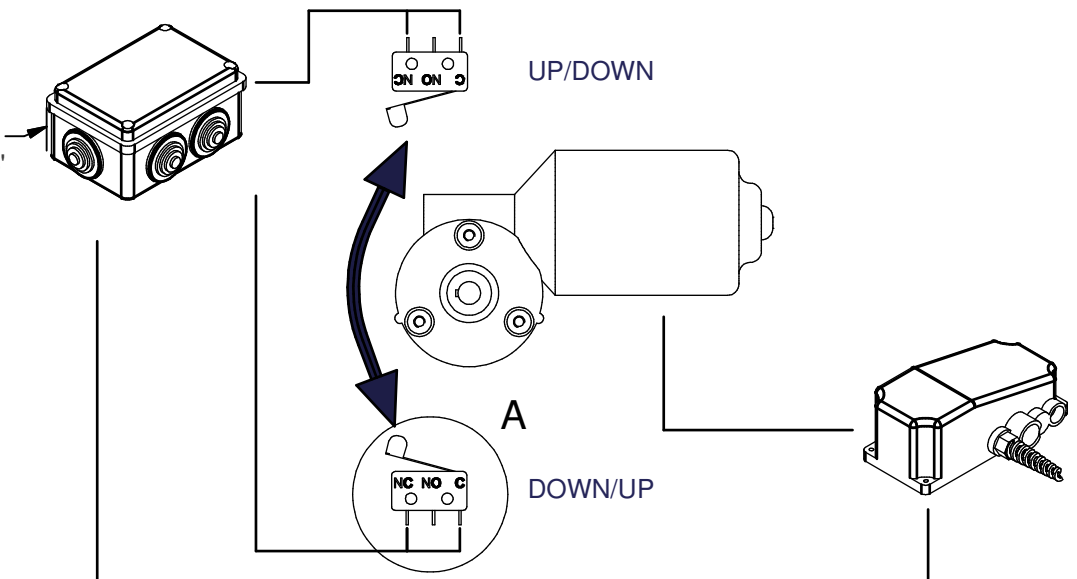
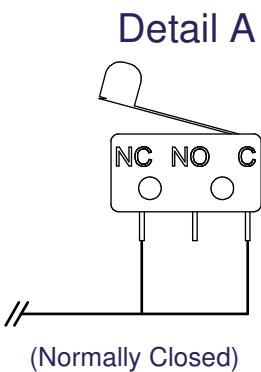


Beware; there is no condition yet!
The lift can go up and/or rotate while the hatch is closed, and/or when the lift is not up!
Please see next page.



Rotation

See page 'CONTROL BOX 260134' for wiring.



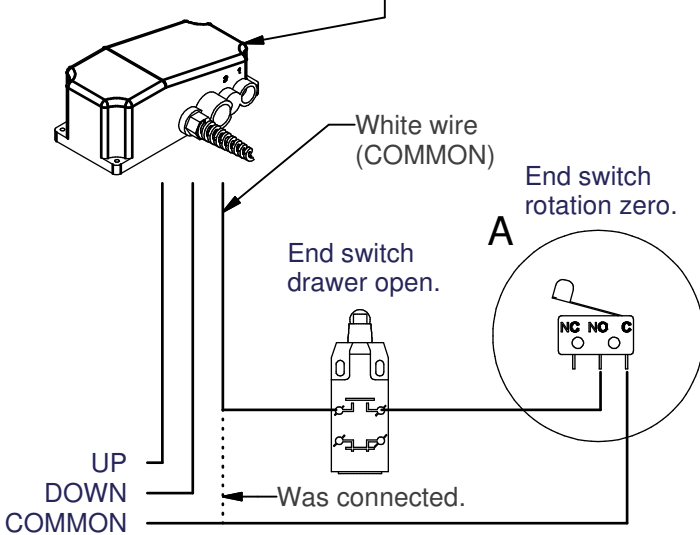
Lift with hatch, with rotation

Additional condition

Lift

The monitor must be at zero position, otherwise the lift can't move.
The drawer must be open, otherwise the lift can't move.

See page 'MOTOR CONTROL BOX 460101, 460102 and 460112' for wiring.



End switch rotation zero.

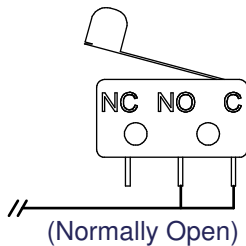
End switch drawer open.

A

Was connected.

UP
DOWN
COMMON

Detail A

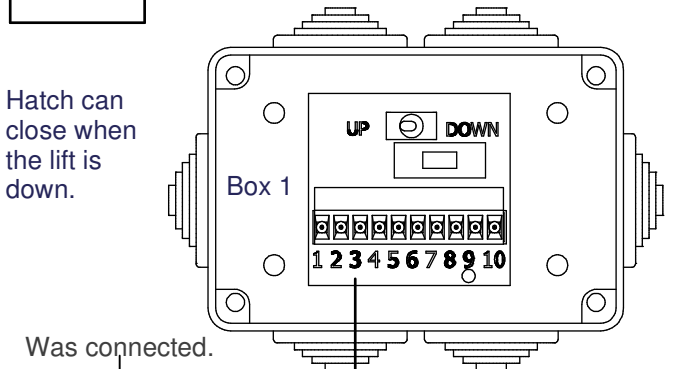


(Normally Open)

Hatch

Hatch can close when the lift is down.

Was connected.

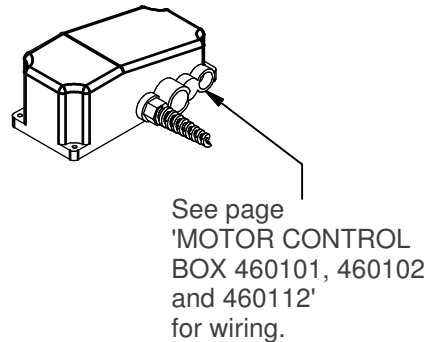


Box 1

UP DOWN
1 2 3 4 5 6 7 8 9 10

See page 'CONTROL BOX 260134' for wiring.

End switch lift down.



Rotation

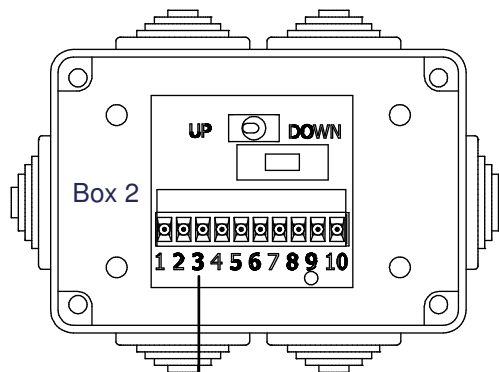
Lift must be completely up to be able to rotate the monitor.

Must be the correct wire to the CONTROL BOX: when this wire is in contact with the common, the rotation must go to the angle position, away from the zero position.

End switch lift up.

See page 'CONTROL BOX 260134' for wiring.

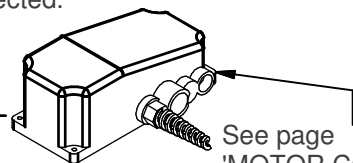
See page 'MOTOR CONTROL BOX 460101, 460102 and 460112' for wiring.



Box 2

1 2 3 4 5 6 7 8 9 10

Was connected.

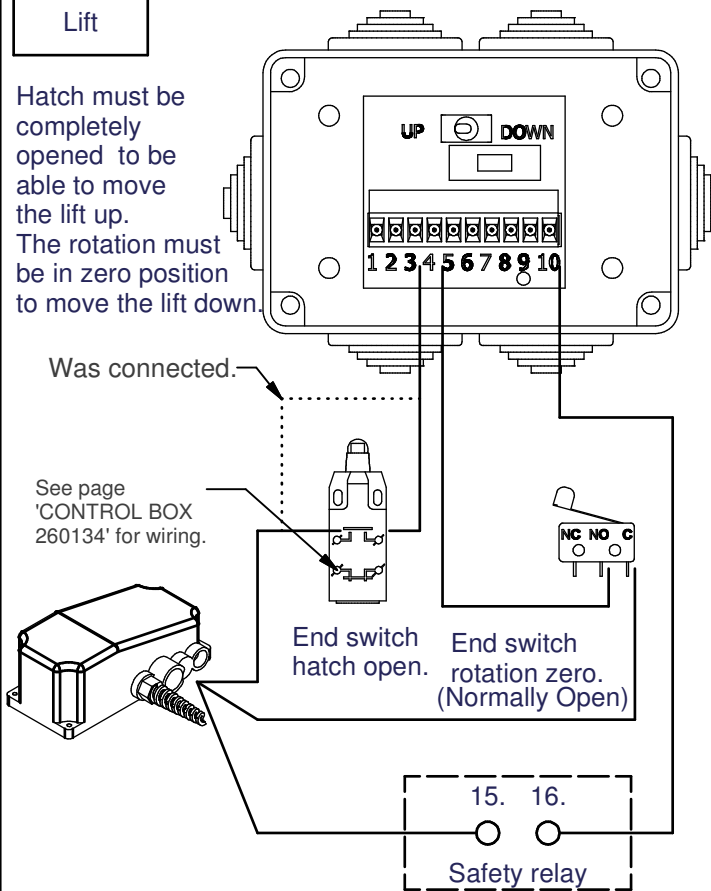


Lift with hatch, with rotation, with safety strips

Additional condition

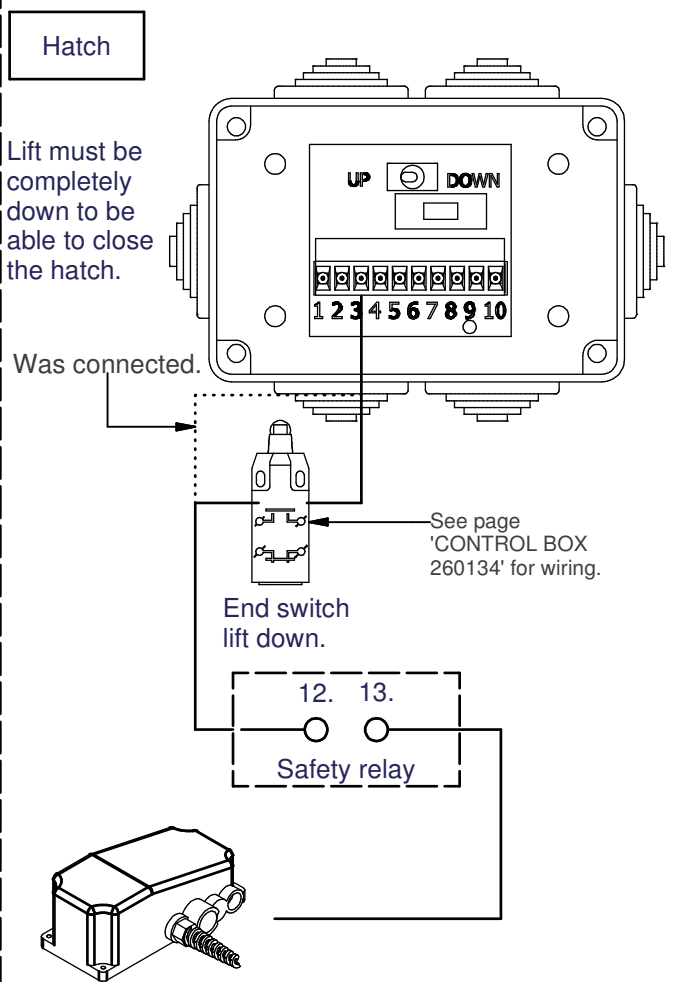
Lift

Hatch must be completely opened to be able to move the lift up.
The rotation must be in zero position to move the lift down.



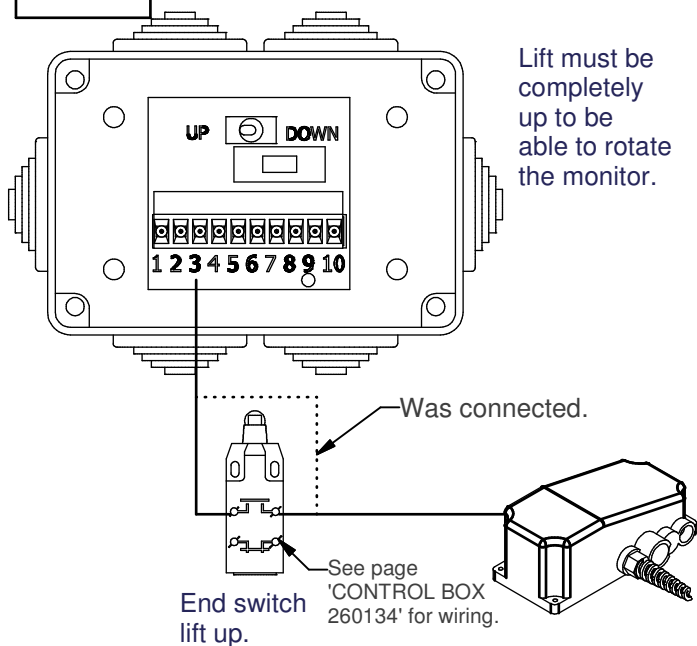
Hatch

Lift must be completely down to be able to close the hatch.



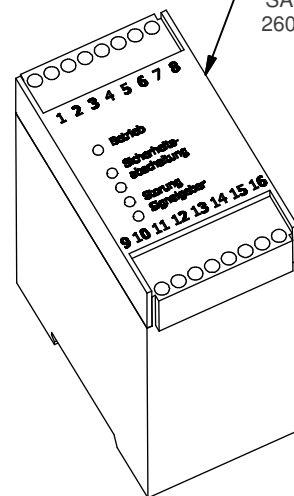
Rotation

Lift must be completely up to be able to rotate the monitor.



Safety

See page 'SAFETY RELAY 260189' for wiring.

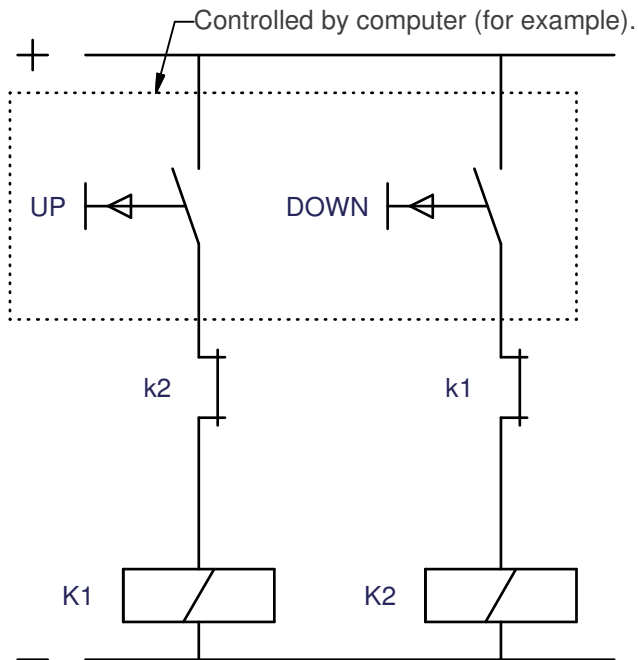


1. EXTERNAL CONTROL: control by relay.

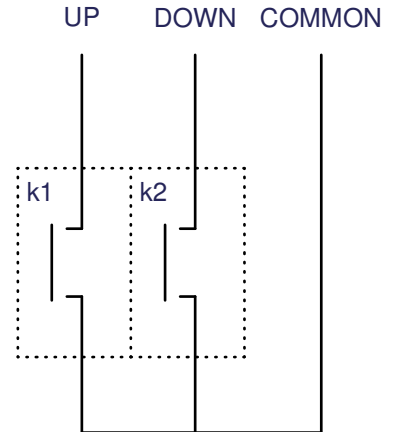


WARNING:

The tension on these wires can be 12-24 VDC and **230 VAC!**



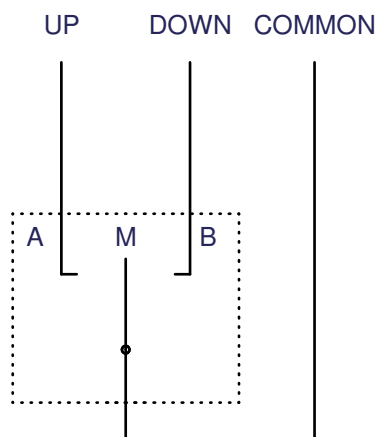
External cable control box (not the motor control box!)



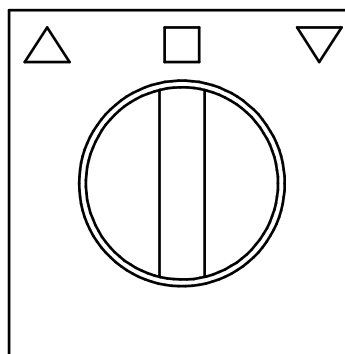
- K1 and K2 are relays.
- k1 and k2 are relays.

2. EXTERNAL CONTROL: control by switch or remote.

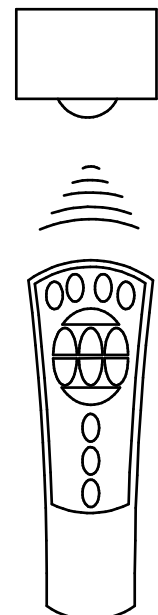
External cable control box (not the motor control box!)



Wall switch (with neutral position) (not supplied)

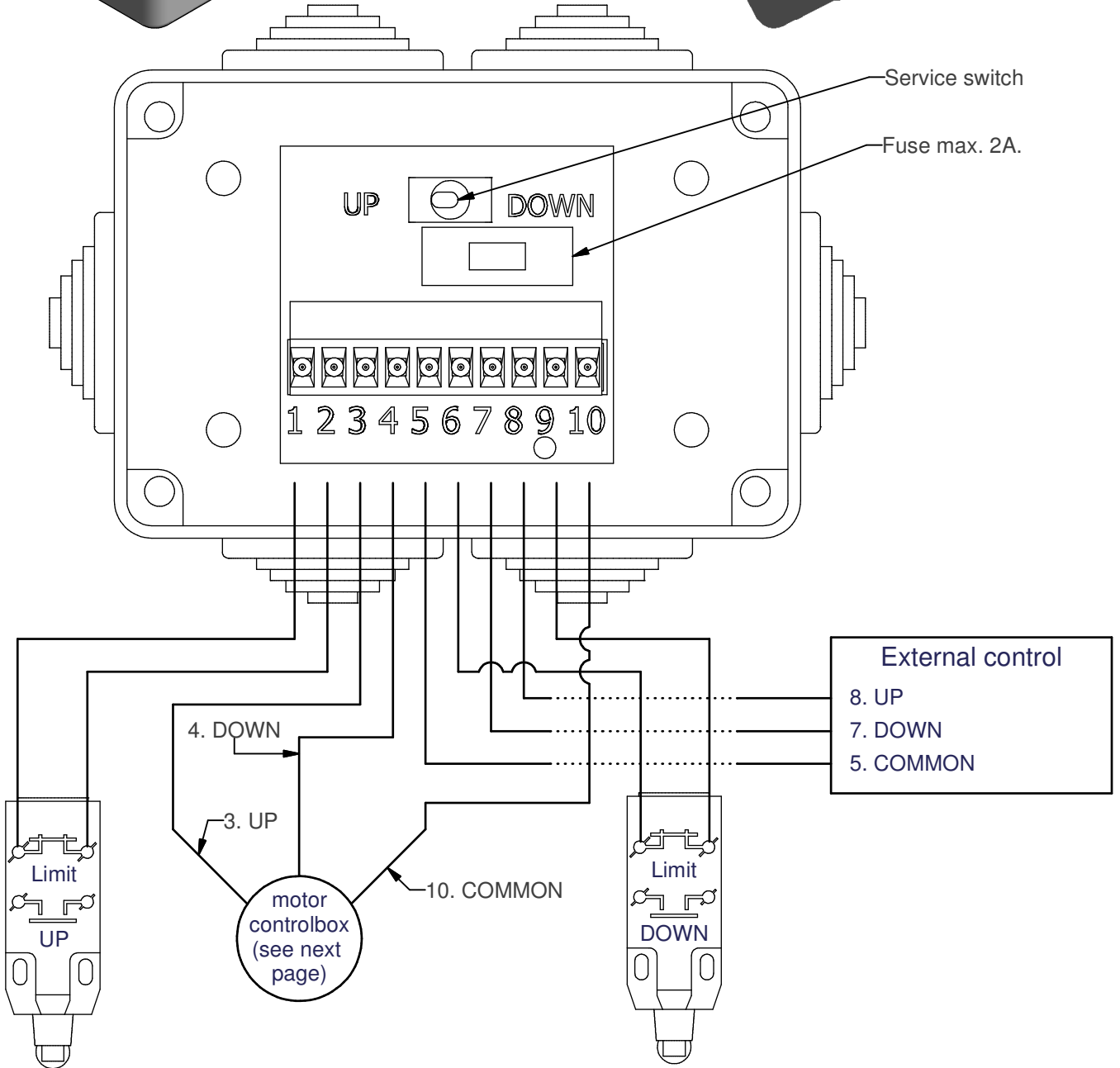
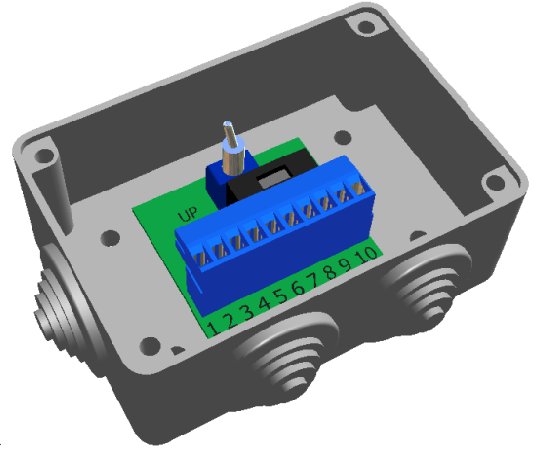
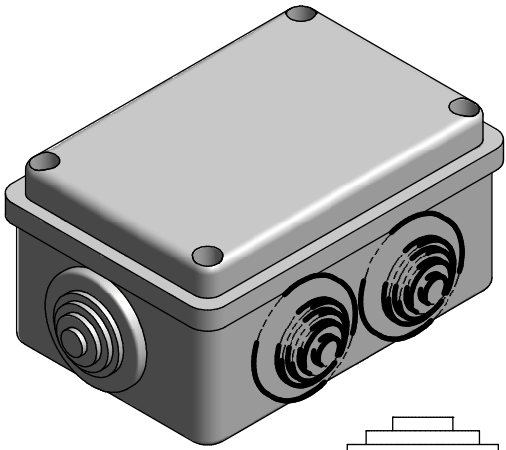


(Optional) remote control



- A and B are potential free contacts.
- A: up or down.
- B: down or up.
- M: middle position (!).

CONTROL BOX 260134



Explanation UP and DOWN:

Lift:

UP = lift up,
DOWN = lift down.

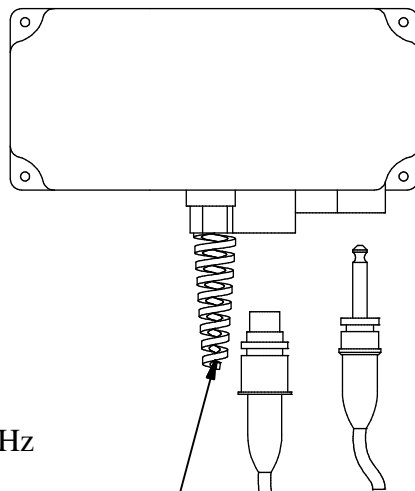
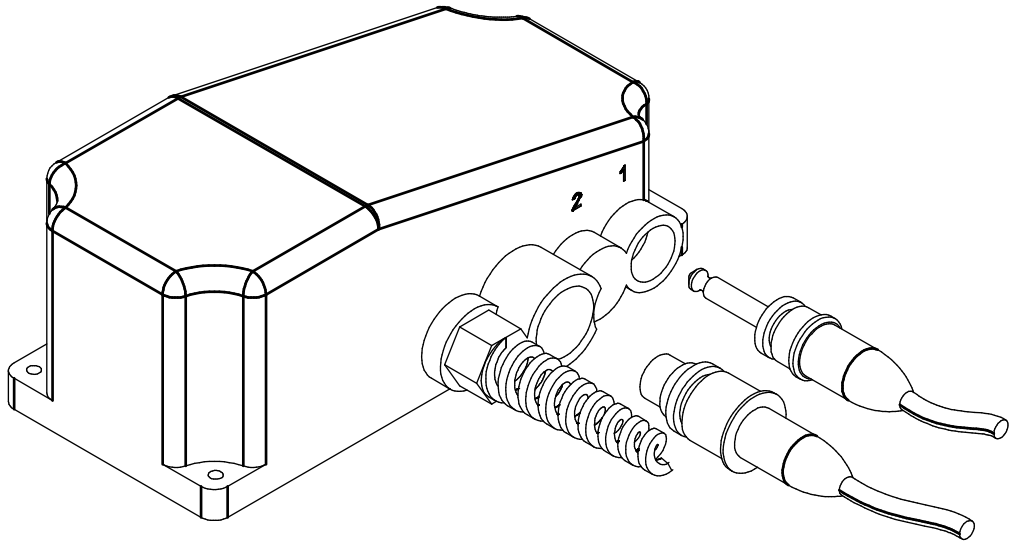
Hatch:

UP = hatch close,
DOWN = hatch open.

Rotation:

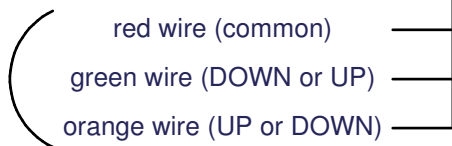
UP = rotate to angle,
DOWN = rotate to zero position.

MOTOR CONTROL BOX 460101, 460102 and 460112

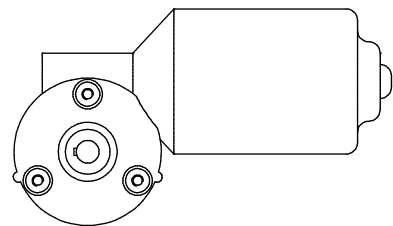


U in: 230 VAC 50 Hz
I in: max. 2,5 A
U out: 27VDC max 240 VA
Duty cycle: max 1 min./9 min.

Channel 1

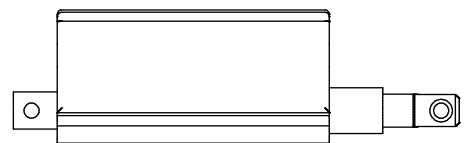


24 VDC motor

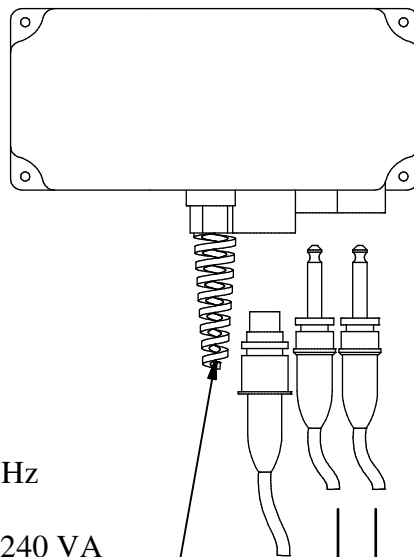
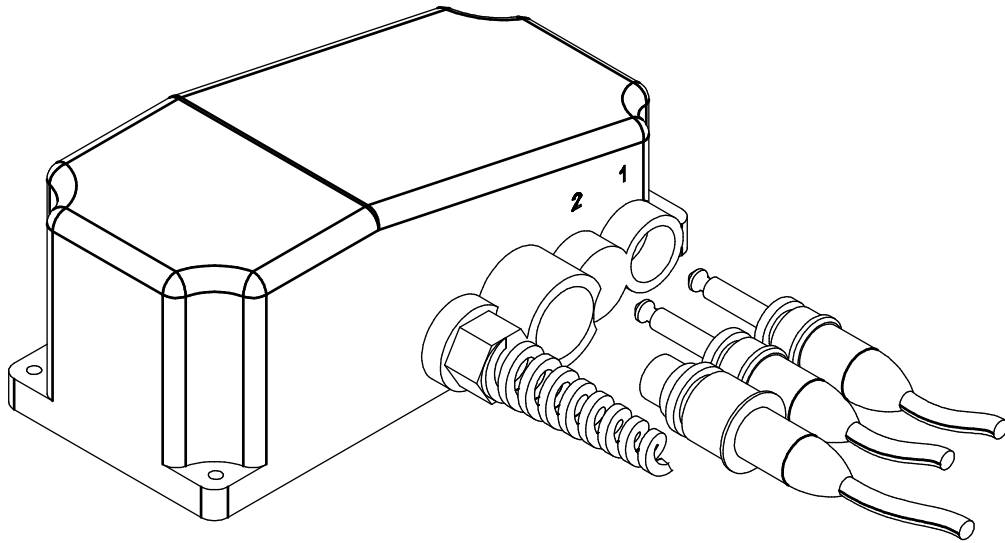


↑
OR
↓

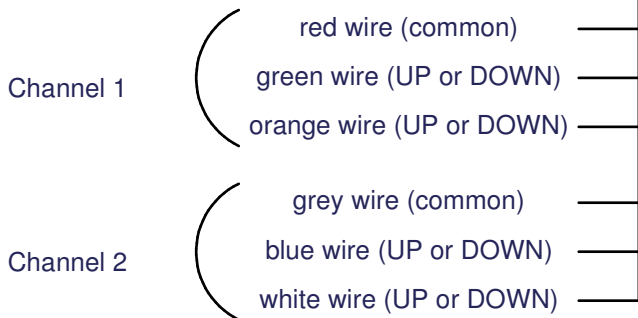
24 VDC motor



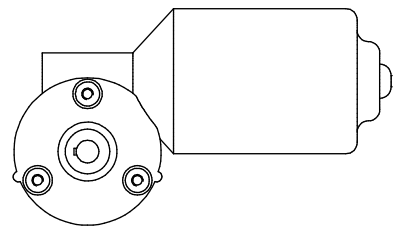
MOTOR CONTROL BOX (double) 460114



U in: 230 VAC 50 Hz
 I in: max. 2,5 A
 U out: 27VDC max 240 VA
 Duty cycle: max 1 min./9 min.

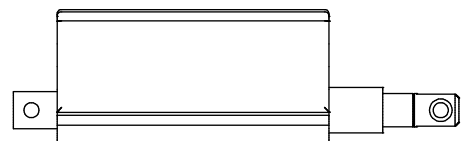


24 VDC motor

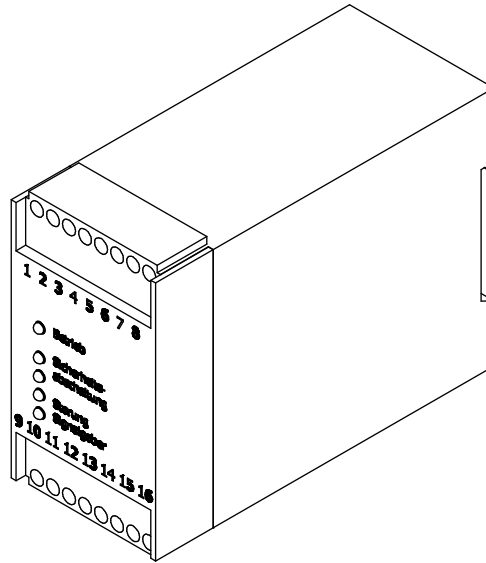


↑
for example
↓

24 VDC motor

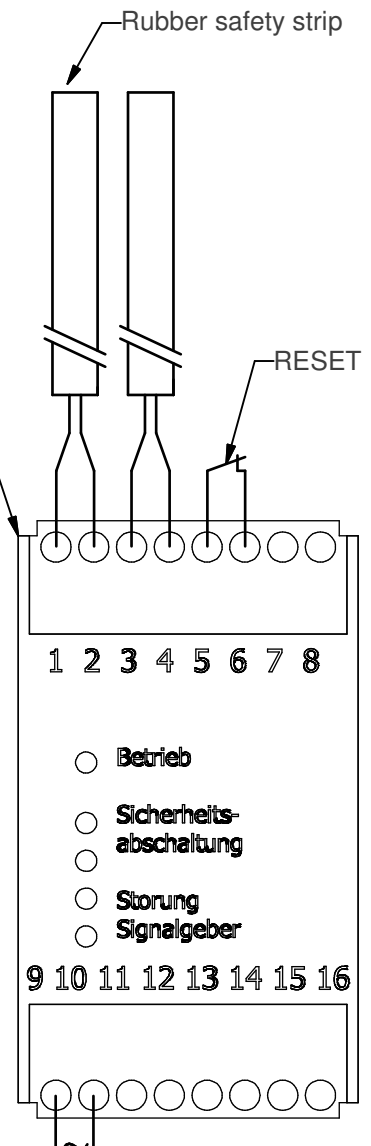


SAFETY RELAY 260189

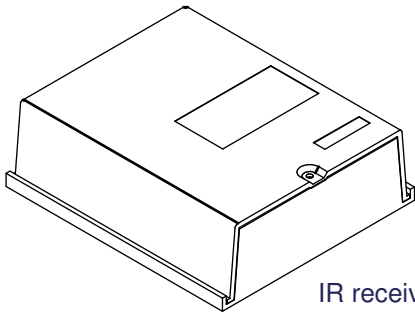


U in: 230 VAC 50 Hz
 I in: max. 5 VA
 U out: 24VDC max 120 VA
 Duty cycle: 100 %
 Switching Capacity: 250 VAC/2A (Ohm load)
 2A (inductive load)
 250 VDC/350 mA (ohm load)
 150mA (inductive load)
 30 VDC/2A (ohm load)
 1.5A (inductive load)

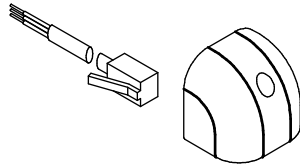
1. Signal Sensor 1 (Safety Rubber 1)
2. Signal Sensor 1 (Safety Rubber 1)
3. Signal Sensor 2 (Safety Rubber 2) (or resistor 8.2 kOhm)
4. Signal Sensor 2 (Safety Rubber 2) (or resistor 8.2 kOhm)
5. External Reset (NC contact)
6. External Reset (NC contact)
7. Indication Relay
8. Indication Relay
9. Supply Voltage
10. Supply Voltage
11. Not Used
12. Output Relay 1
13. Output Relay 1
14. Not Used
15. Output Relay 2
16. Output Relay 2



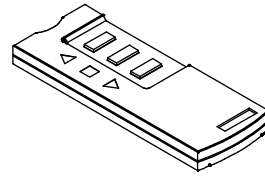
INFRA-RED RECEIVER 260097/260198/260174



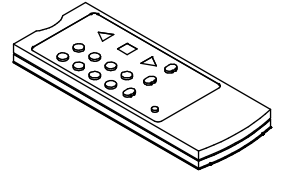
IR receiver



IR sensor
260100



1 channel IR transmitter
260098



8 channel IR transmitter
260202

U in: 220-240 V AC 50 Hz
 I in: max. 2,5 A
 System of protection: IP40
 Working temperature: 0°C to 40°C
 Output motor temporisation: 3 min.
 Output relays: 3.15A 250 V AC

Be aware that there are several types of receivers!!

Description 260097:

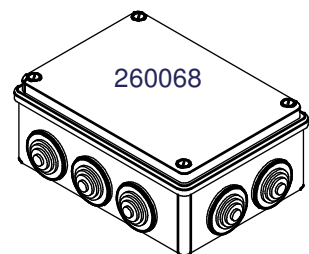
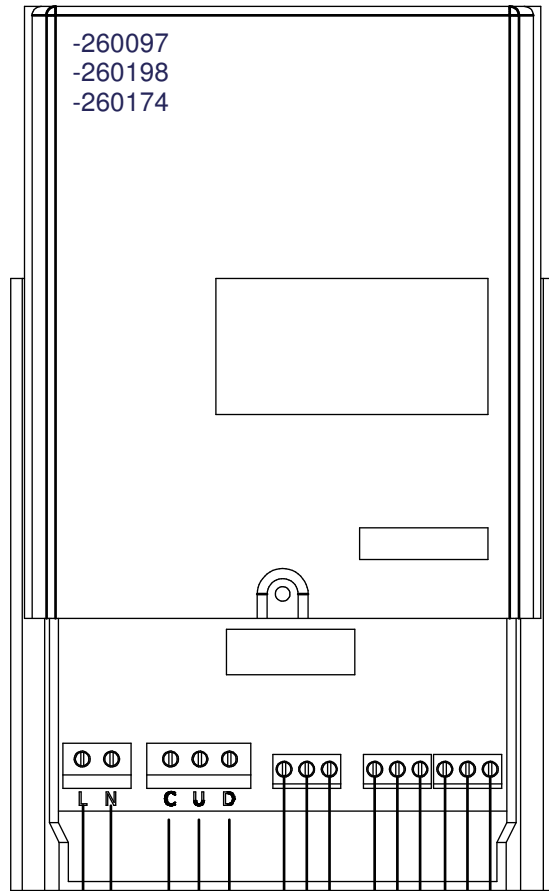
- IR receiver, ERIT 728840
- When pushing short UP or DOWN, the relay will be contacted for 3 minutes (until the system reaches its end switches).
- When push the STOP button, the system will stop.
- The output tension C, U and D is **230 VAC max 2,5 Amp!**
- **Not to be used in combination with 260134, only 260068!**

Description 260198:

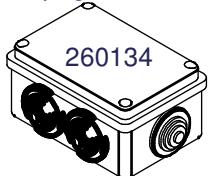
- IR receiver, ERIT 728850 potential free switch.
- When push -and hold- UP or Down, the relay will be contacted (until the system reaches its end switches).
- When pushing the STOP button, both of the relays will be contacted!
- The C, U and D are 2 potential free switches:
- C = Common, U=Up and D=Down.
- **Not to be used in combination with 260068, only 260134!**

Description 260174:

- IR receiver, potential free switch.
- (based on ERIT 728840).
- When pushing short UP or DOWN, the relay will be contacted for 3 minutes (until the system reaches its end switches).
- When push the STOP button, the system will stop.
- The C, U and D are 2 potential free switches:
- C = Common, U=Up and D=Down.
- **Can be used in combination with 260068 and 260134.**

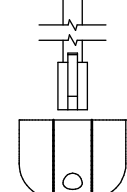


To external controll
of system controll
(See page of controll).



C = COMMON = C
 UP = U
 DOWN = D

Power 230 VAC
 Power 230 VAC
 EARTH
 EARTH
 EARTH
 WHITE = S
 YELLOW = +
 BLUE = C
 External control UP = U
 External control DOWN = D
 External control COMMON = C



IR sensor 260100

(See page 'EXTERNAL CONTROLL').

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Product : Flat Panel lift
Type : various models

D **Konformitätserklärung für Maschinen**

Wir erklären hiermit daß die Produkte konform sind mit den einschlägigen Bestimmungen der EG-Maschinen richtlinie:

Maschinenrichtlinie 89/392/EEG mit 91/368/EEG und 93/44/EEG
EMC 89/336/EEG mit EN 55014 und EN 55104
Niederspannung 73/23/EEC mit EN 60335/1

F **Declaration CE de Conformite pour les machines**

Nous declare que les produits sont en conformité avec la Directive pour les machines

Machine 89/392/EEG with 91/368/EEG and 93/44/EEG
EMC 89/336/EEG with EN 55014 and EN 55104
(Low voltage 73/23/EEC with EN 60335/1)

GB **EC-declaration of conformity for machines**

We declare that aforesaid product is constructed in compliance with the following directives with the following directives

Machine 89/392/EEG with 91/368/EEG and 93/44/EEG
EMC 89/336/EEG with EN 55014 and EN 55104
(Low voltage 73/23/EEC with EN 60335/1)

E **EC-Declaracio'n de la conformidad para las máquinas**

Declaramos que el producto antedicho está construido en conformidad con los directorios siguientes

Machine 89/392/EEG with 91/368/EEG and 93/44/EEG
EMC 89/336/EEG with EN 55014 and EN 55104
(Low voltage 73/23/EEC with EN 60335/1)

NL **EG-verklaring van overeenstemming voor machines**

Wij verklaren dat bovengenoemd produkt volgens de onderstaande normen en richtlijnen is geconstrueerd:

Machine 89/392/EEG with 91/368/EEG and 93/44/EEG
EMC 89/336/EEG with EN 55014 and EN 55104
(Low voltage 73/23/EEC with EN 60335/1)

S **EG-försäkran om överensstämmelse**

Tillverkare försäkrar härmed att produkt är tillverkade i överensstämmelse med EG's Maskindirektiv:

Machine 89/392/EEG with 91/368/EEG and 93/44/EEG
EMC 89/336/EEG with EN 55014 and EN 55104
(Low voltage 73/23/EEC with EN 60335/1)

Moerkapelle (NL), 24-11-2006

Audipack,
R&D