Assunta

Assembly Manual

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Regulations

Liability

To ensure correct operation of the Assunta system, all steps in this manual must be followed carefully. VANBOT BV can never be liable for the use of this manual and shall not be responsible for incorrectly installed systems.

Guidelines

It is essential that the panels are straight. Therefore, a maximum curvature or torsion of 1.5 mm applies to all the panels of the system.

Copyright

Panel preparation

True-to-scale drawings can be downloaded from the website **www.assunta.be**.

Mill the panels and, if applicable, the side guide rails according to the drawings from **www.assunta.be**. Also drill all the holes..

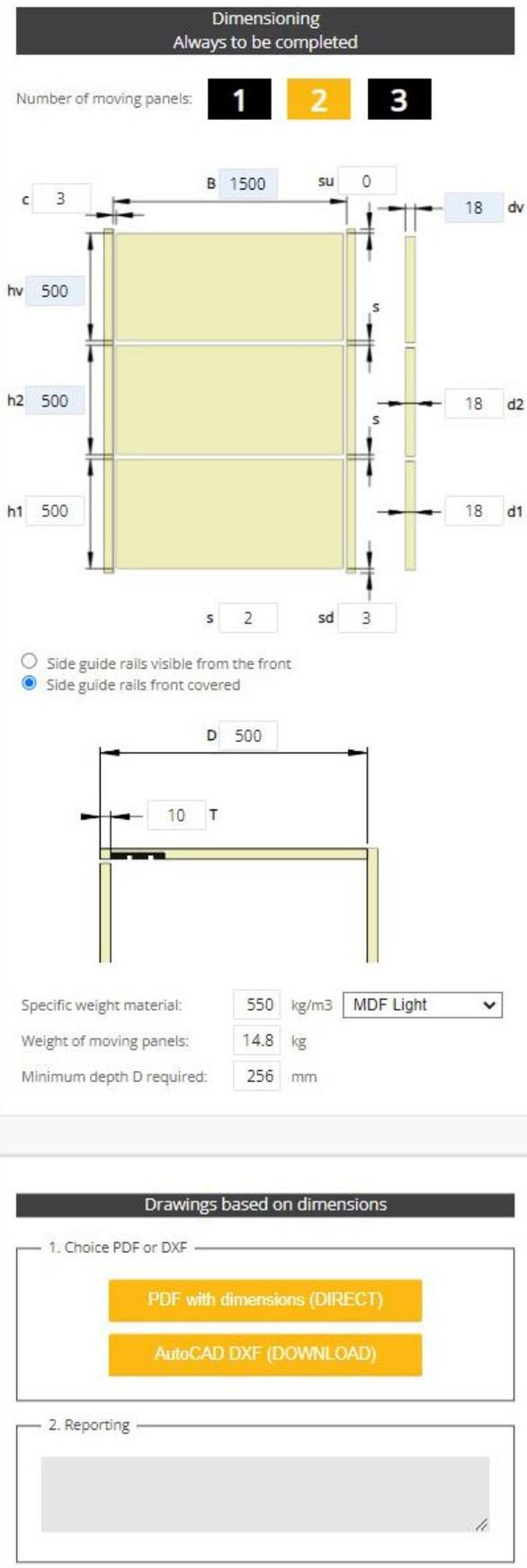
Lower panel:

Optional second panel:

Optional third panel:

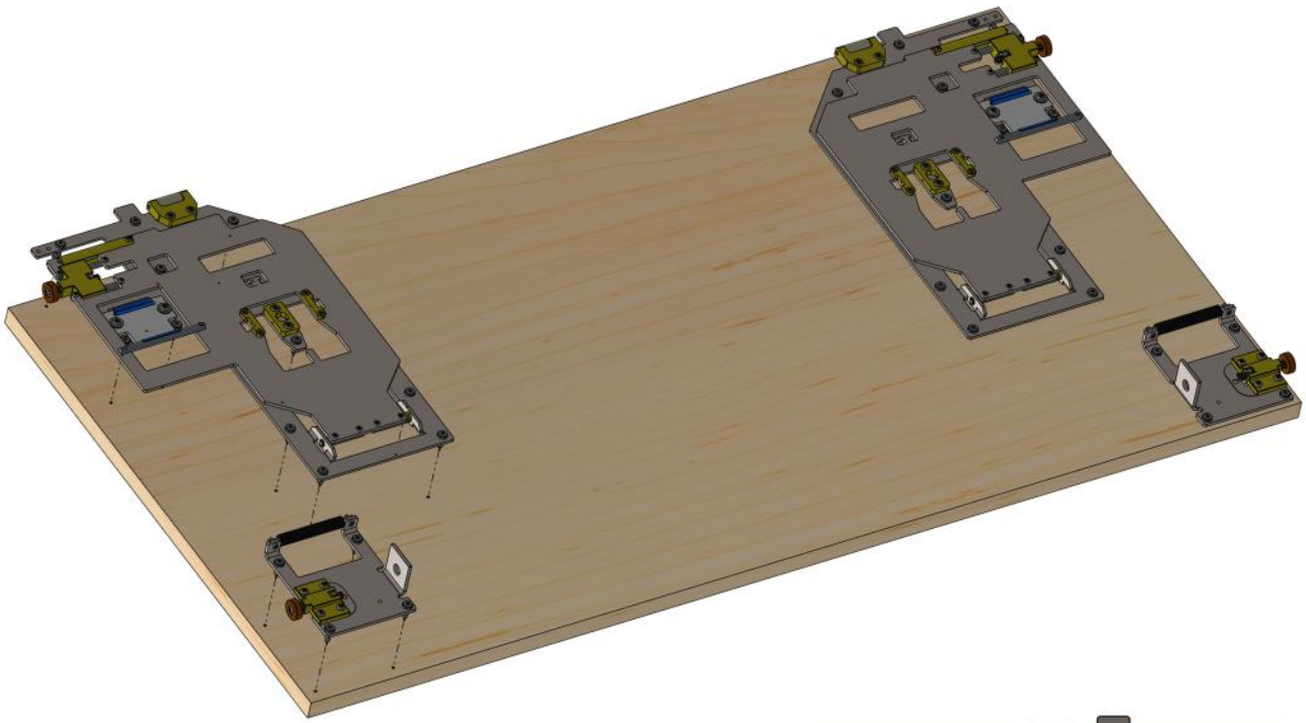
Fixed panel:

Guide rail:

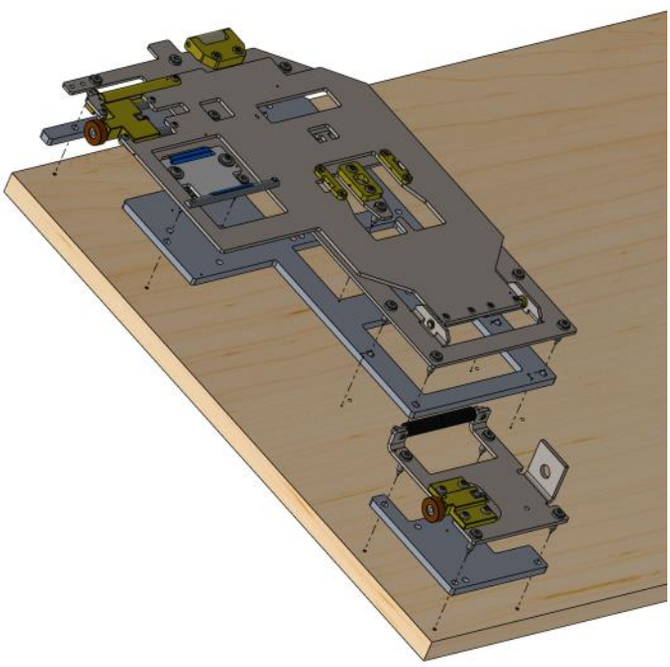


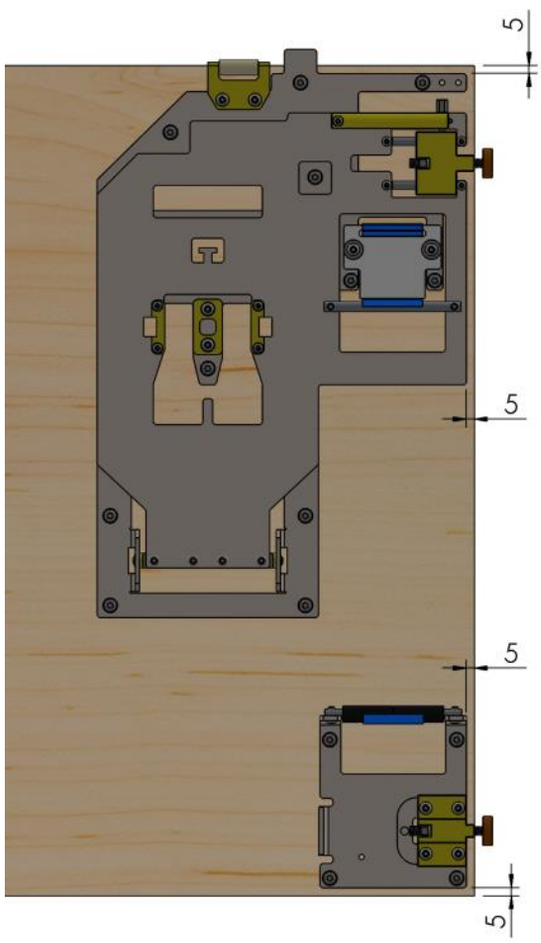
Panel 1

Mount the frames (left and right) for the lower panel on the panel.



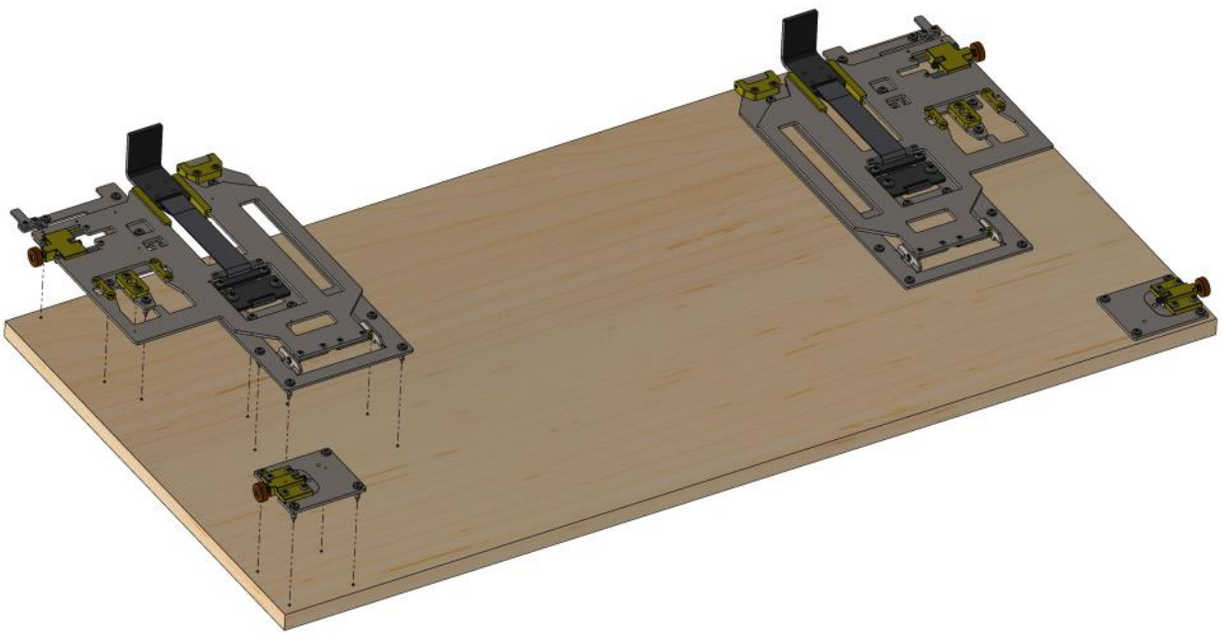
For **surface mounted panels**, provide the separately available 6 mm intermediate plate.



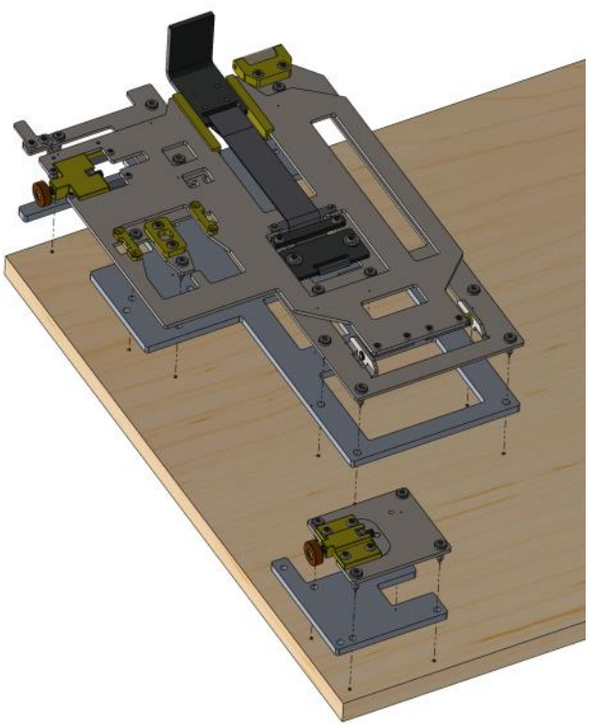


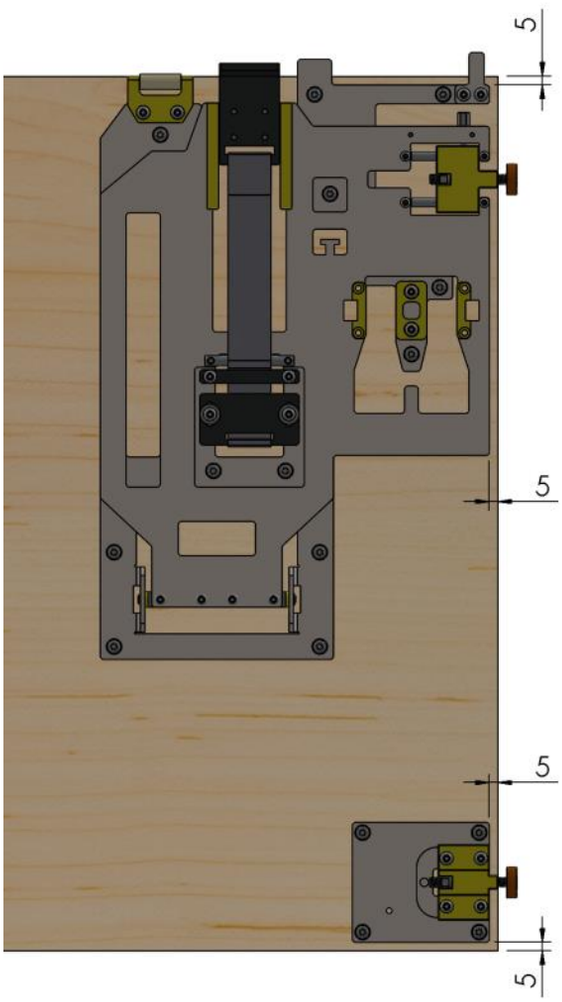
Panel 2 (if applicable)

Mount the frames (left and right) for the second panel on the panel..



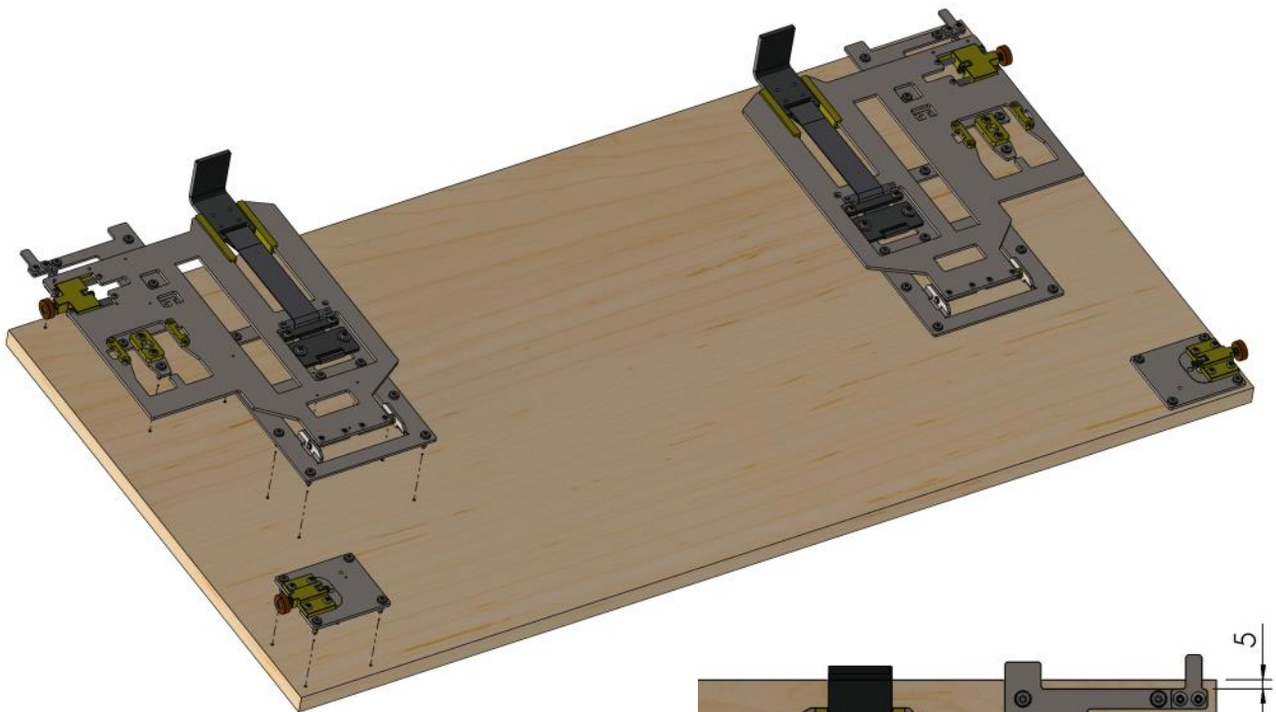
For **surface mounted panels**, provide the separately available 6 mm intermediate plate.



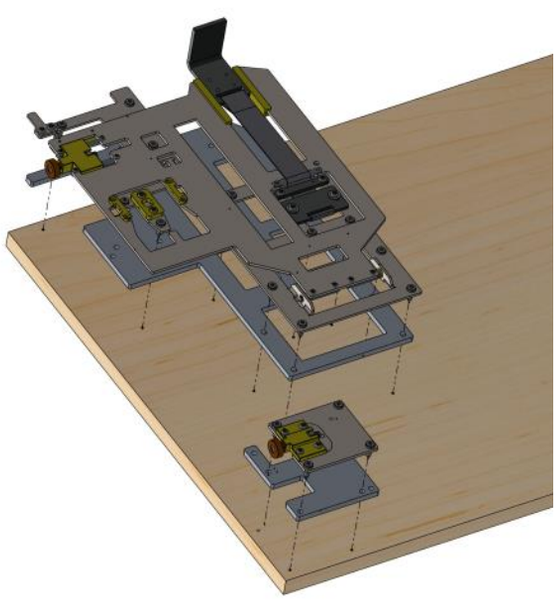


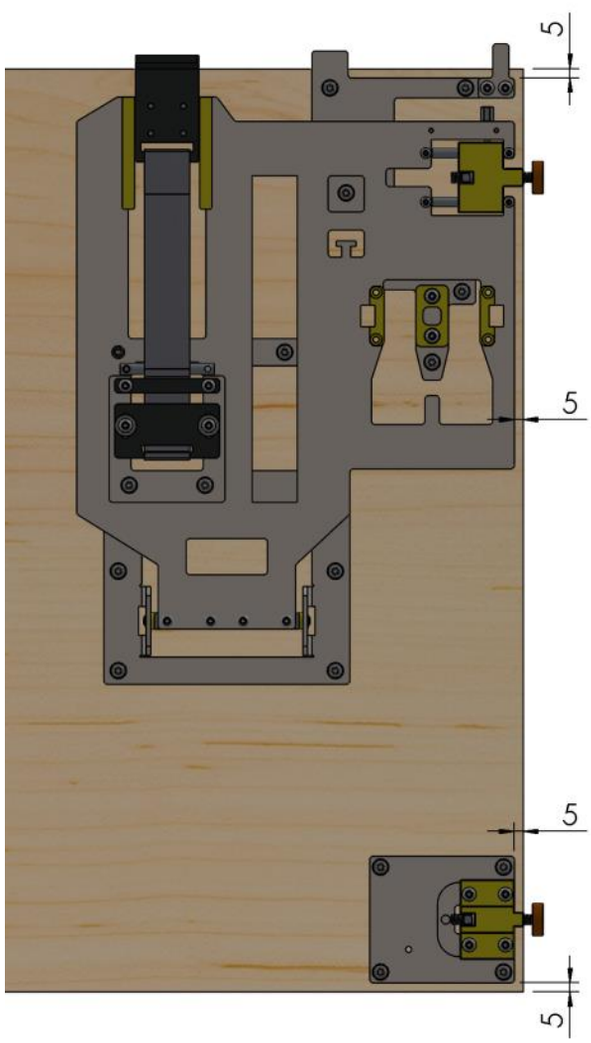
Panel 3 (if applicable)

Mount the frames (left and right) for the third panel on the panel..



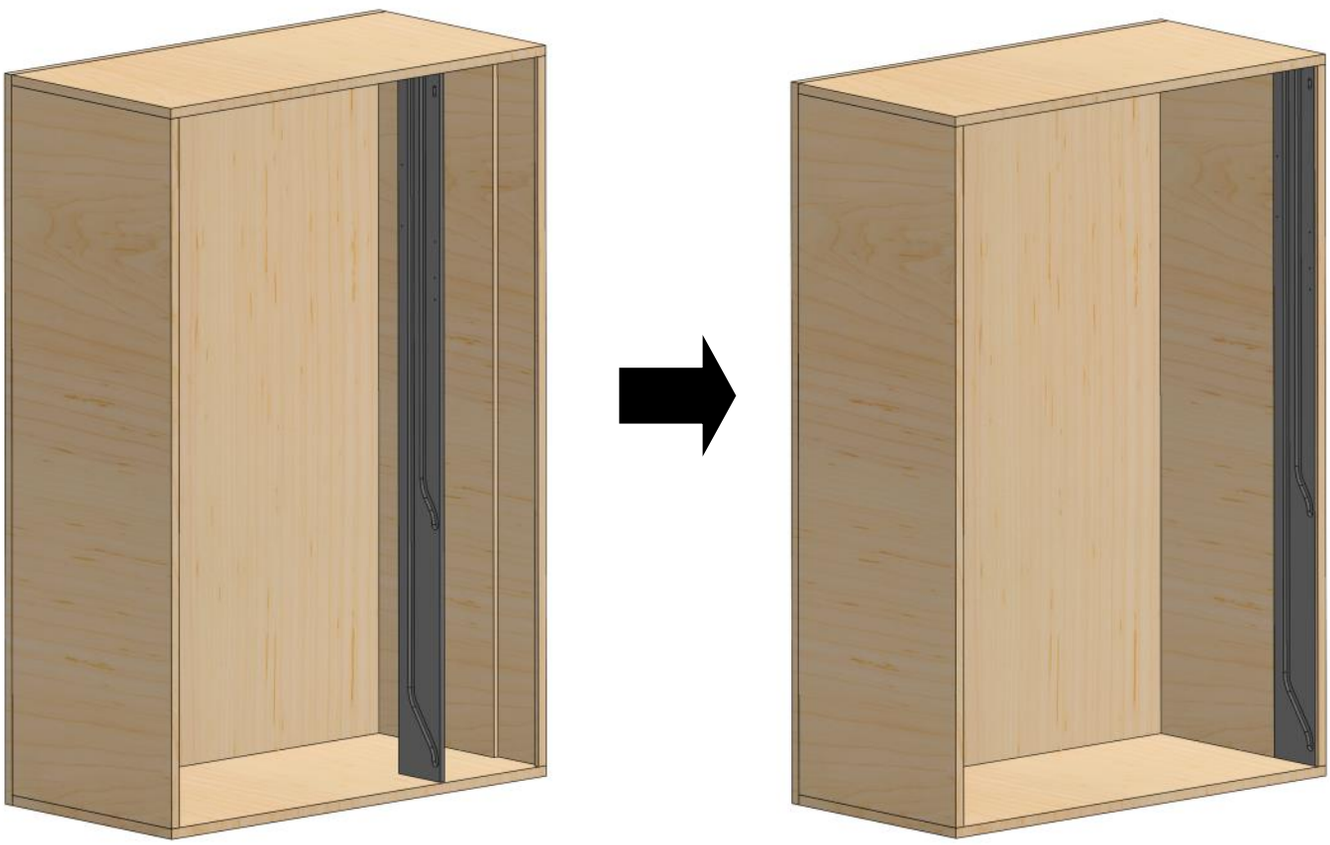
For **surface mounted panels**, provide the separately available 6 mm intermediate plate.





Installation of the guide rails

Place the side guides in the side walls of you cupboard. If these were purchased, there is an excess of 35 mm on the height. Cut these to size at the top.



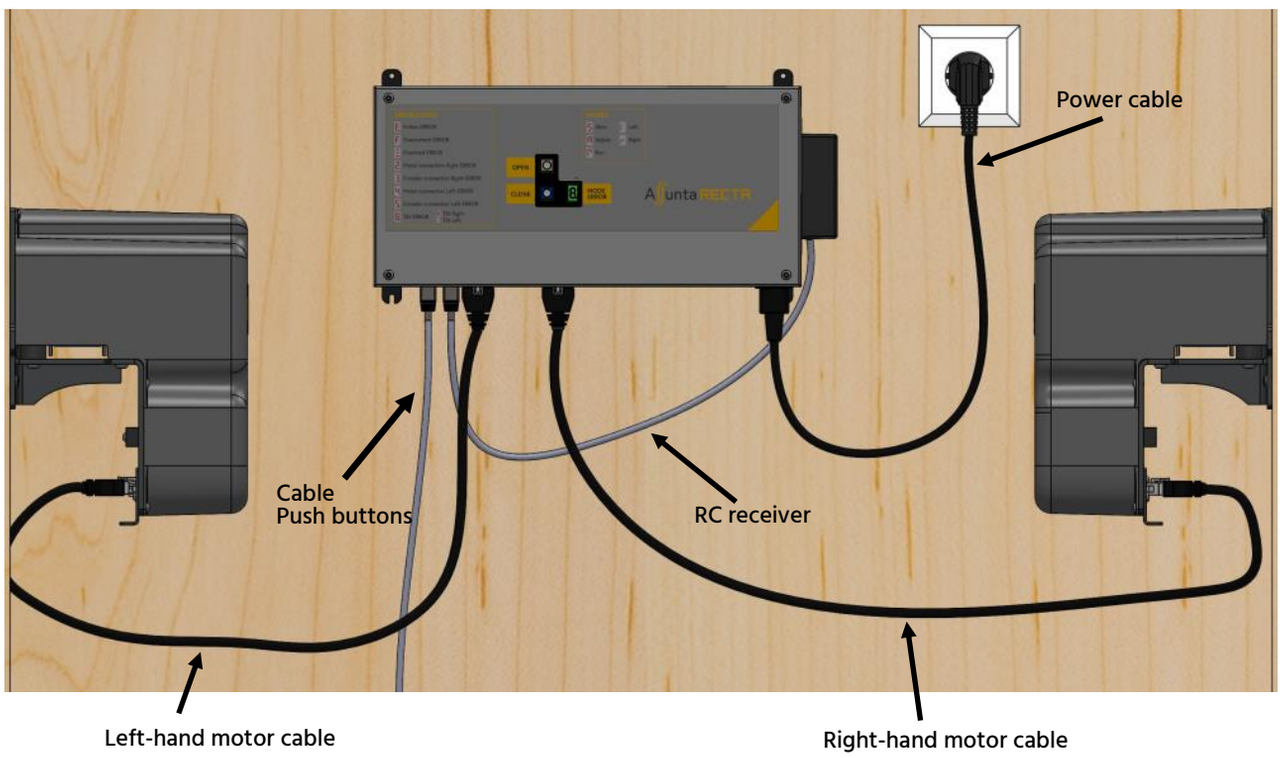
Installation of the lifting drive

Place the lifting drives in the cabinet. If the side guides were purchased, the front Ø 3.5 mm holes are already pre-drilled on the side guides.

The height dimension for the lower bore is shown on the drawings available at www.assunta.be. The side dimension is fixed relative to the side guide.

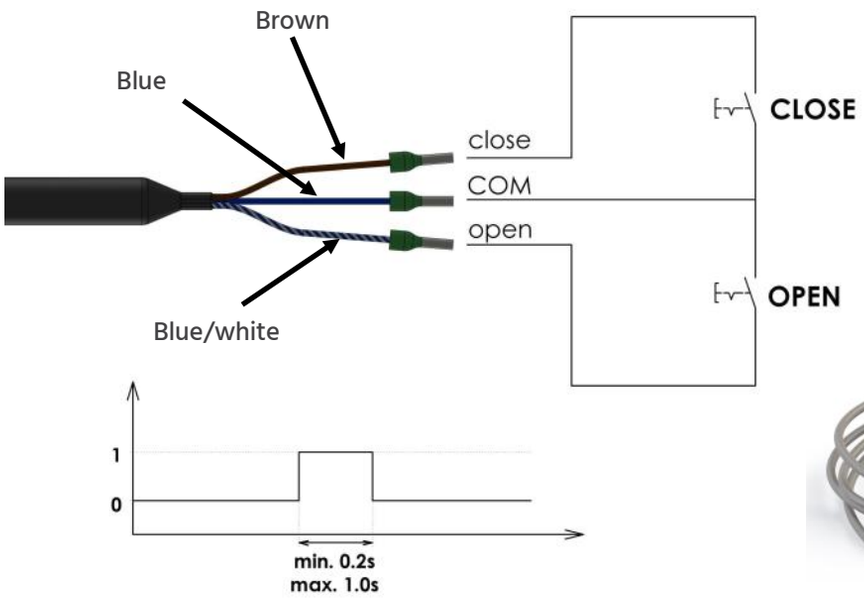
Connection of the control unit

Place the control box in the cabinet (between the motors). Connect the power cable 220V and motor cables to the control box. Optionally, also connect the remote control receiver and/or cable (Assunta or own) push buttons.

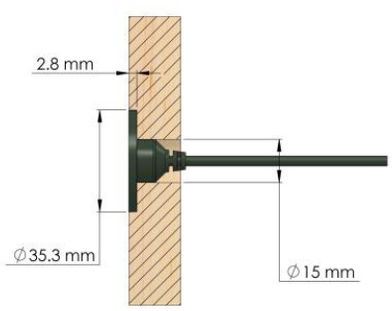


Also connect the motor cables on the motor side.

To connect (your own) push buttons or home automation, you will need the button cable. This cable has 3 open threaded ends, one for the upward movement (blue/white), one for the downward movement (brown), and the outgoing voltage (blue). (No external power supply is therefore required.)
Connect the RJ45 plug to the control cabinet. It must be plugged into the 'Buttons' socket.

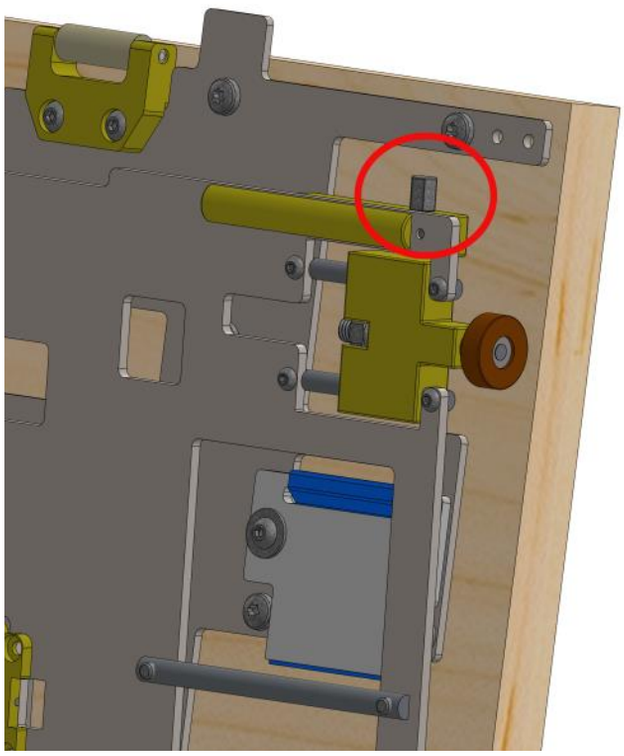


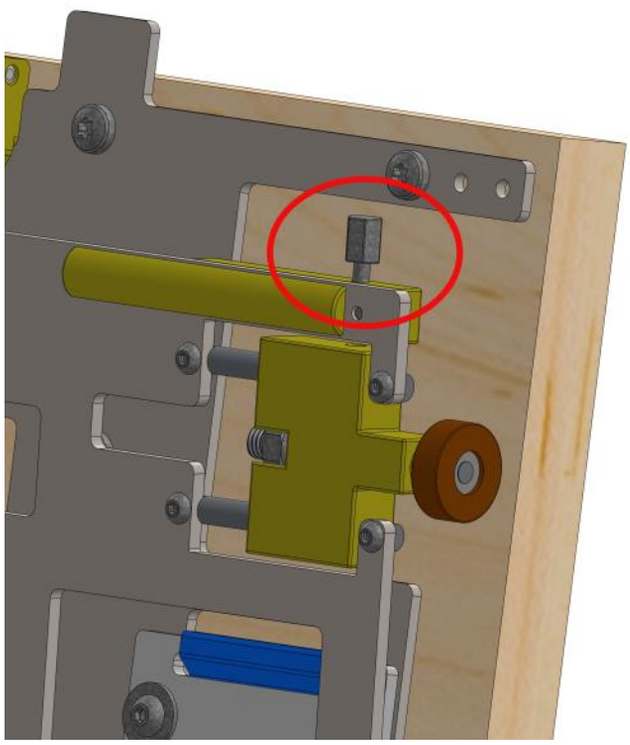
Proceed as follows to install any Assunta push buttons. Mill a recess according to the drawing below and glue the buttons in. Connect the RJ45 plug to the control cabinet. It must be plugged into the 'Buttons' socket.



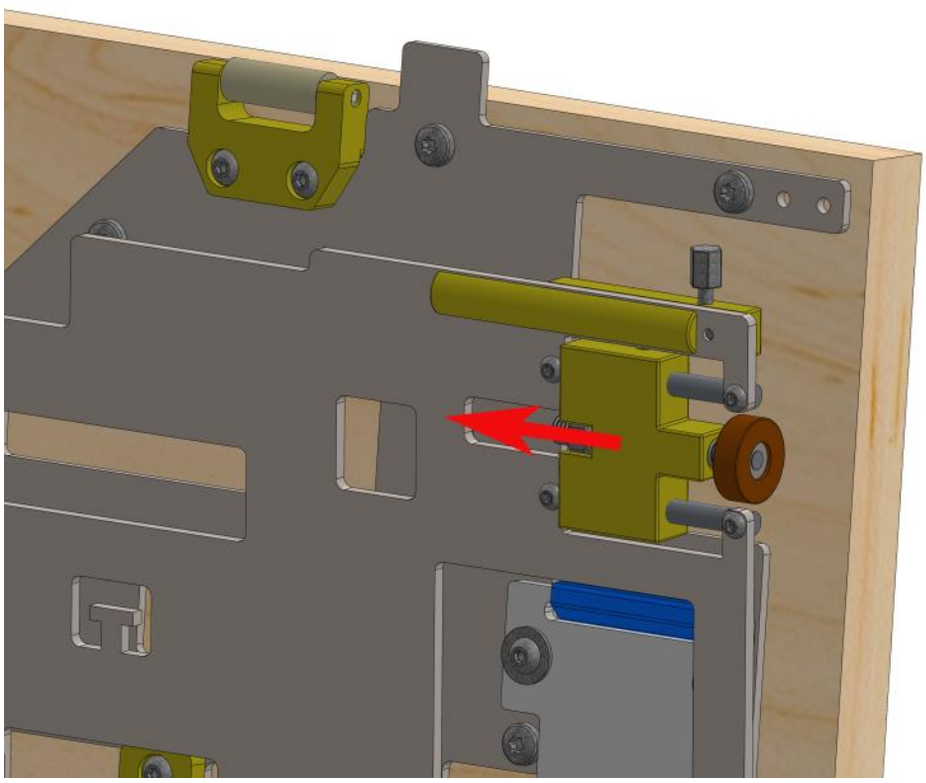
Installation lower panel

On both the left and right sides of the panel, unscrew (not completely!) the adjustment bolt of the top and guide wheels.



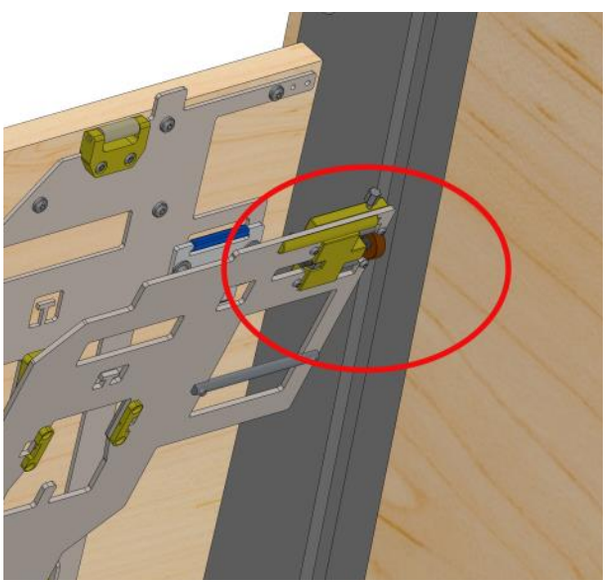


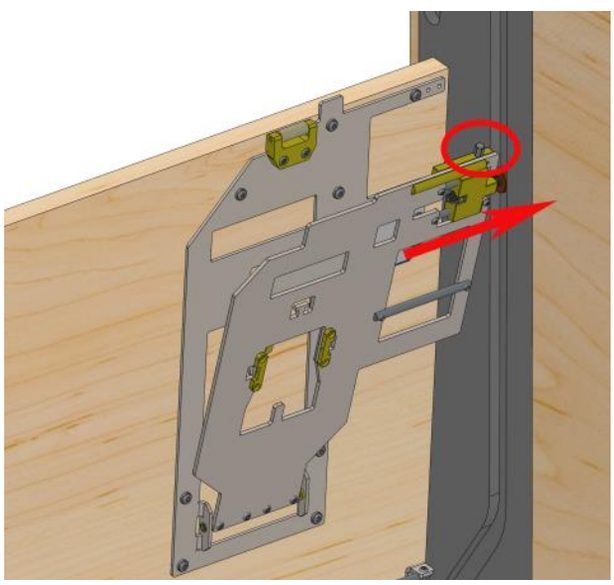
Slide the carriage of the guide block inwards.



Insert the panel with the top wheels retracted into the corpus in such a way that the lower wheels enter the corresponding slot.

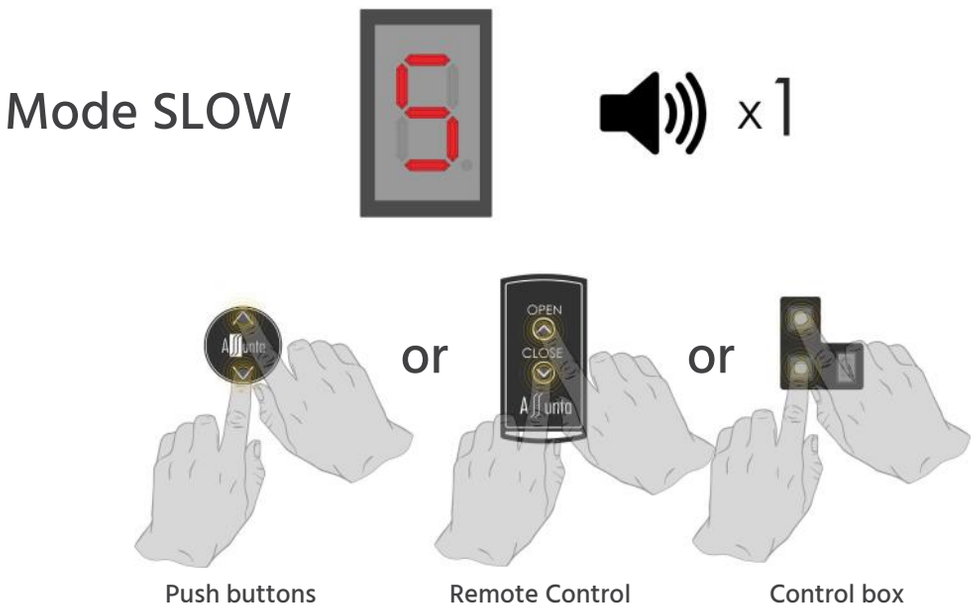
Bring the upper wheel to the level of the slot, slide the wheel into the slot and retighten the adjustment bolt.



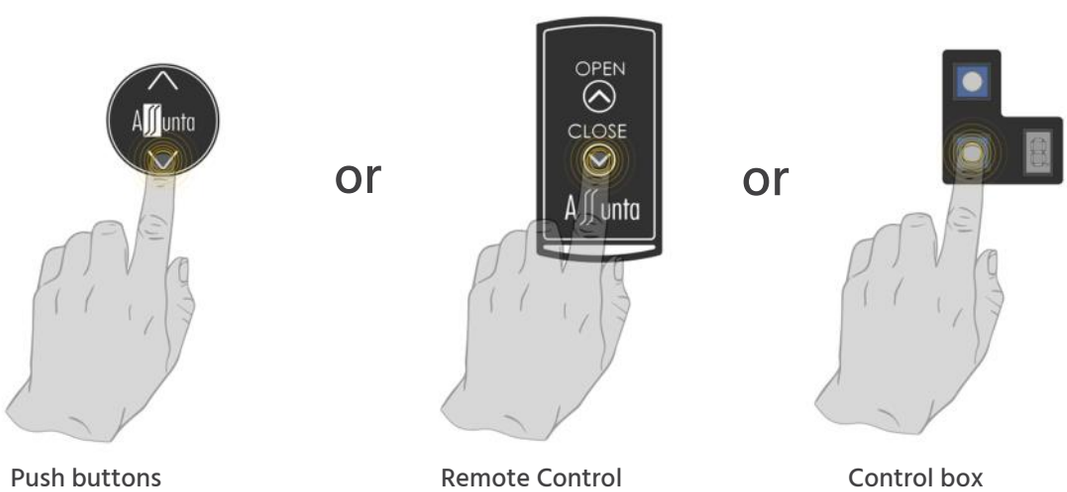


Installation of the belts (on the lower panel)

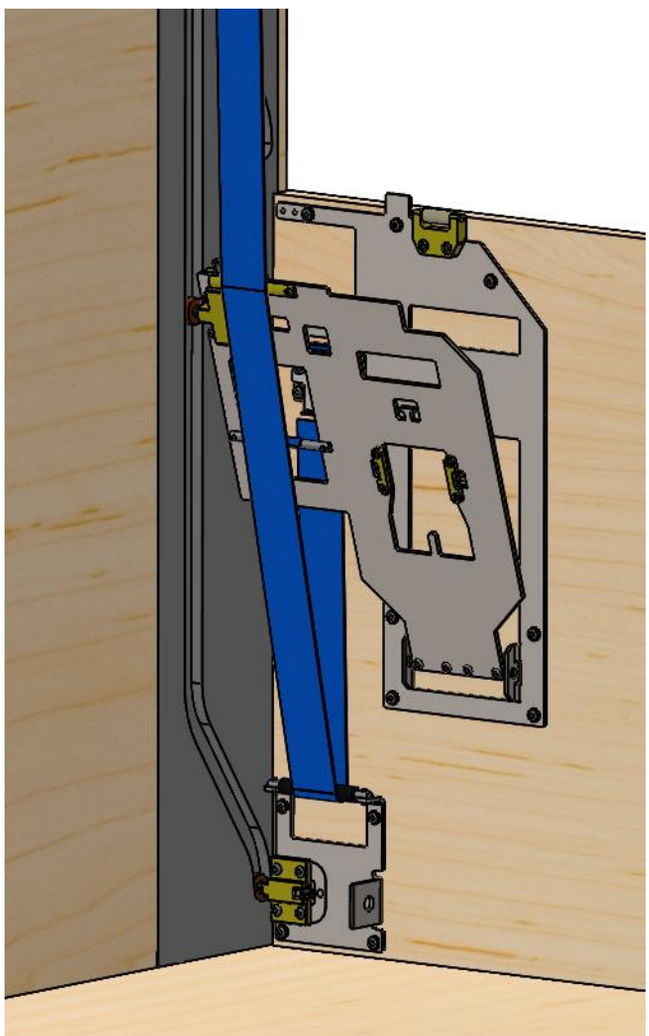
Put the system in mode 'Slow' by pressing and releasing the 2 control buttons simultaneously when 'S' appears. This can be done in 3 different ways. With the push buttons, the remote control or the buttons on the control box.

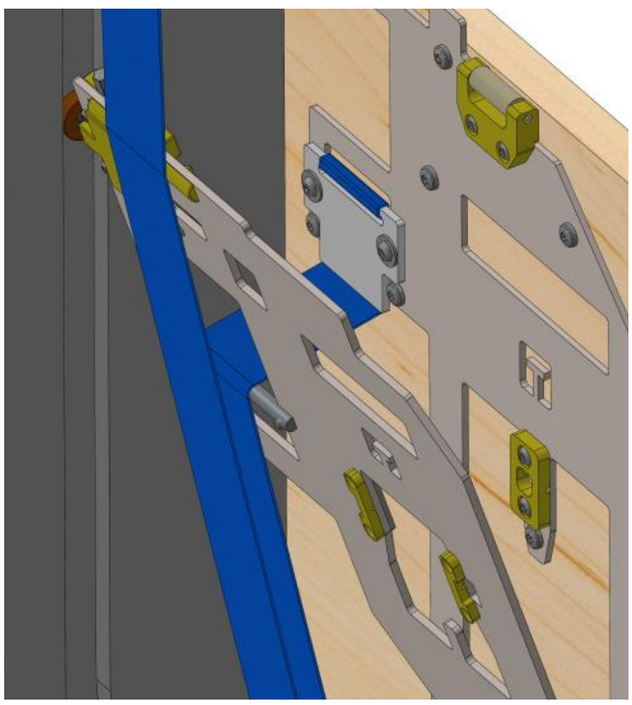


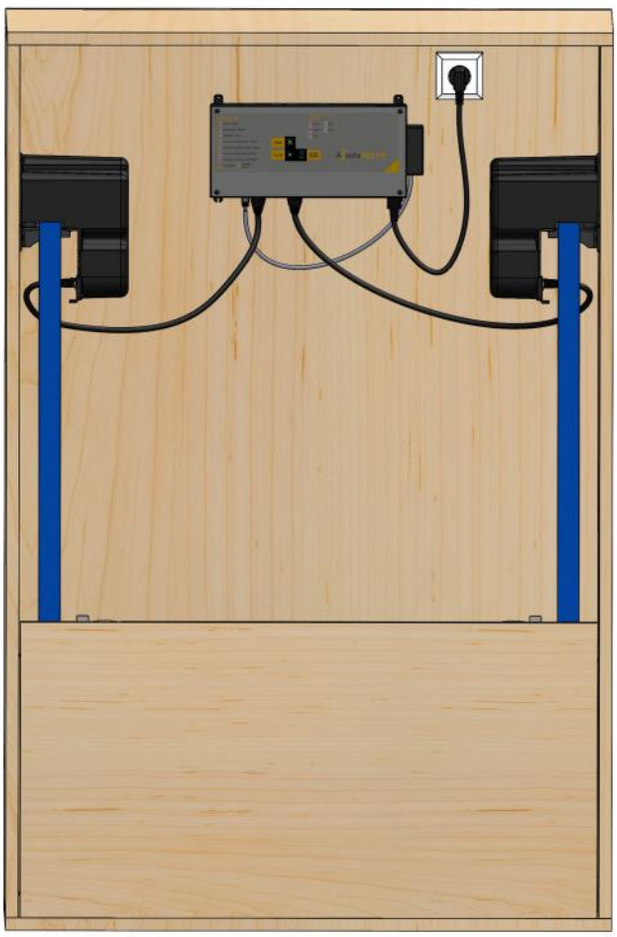
Lower the belts sufficiently by briefly pressing the Close button to allow the belt clips to be attached to the lower panel. Press the Close button again to stop the belts.



Screw the end plate of the belts onto the panel. Note well the assembly.

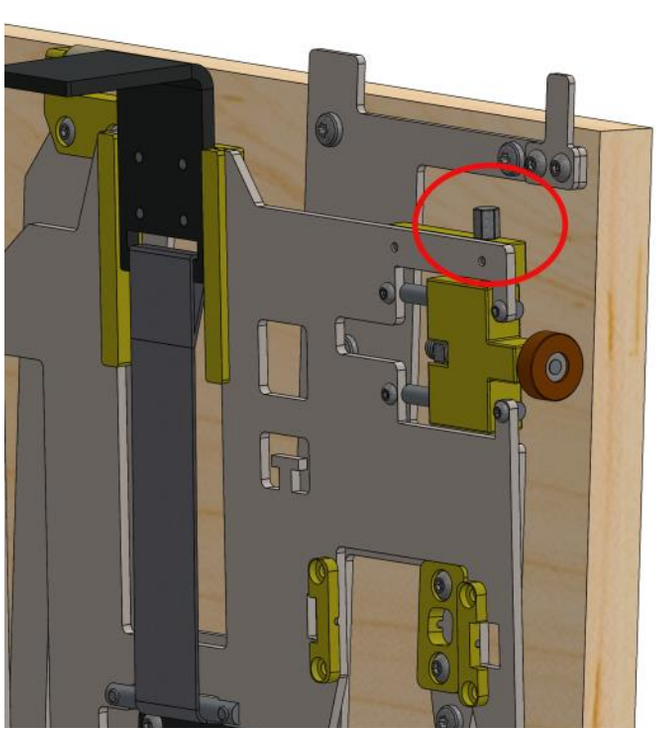


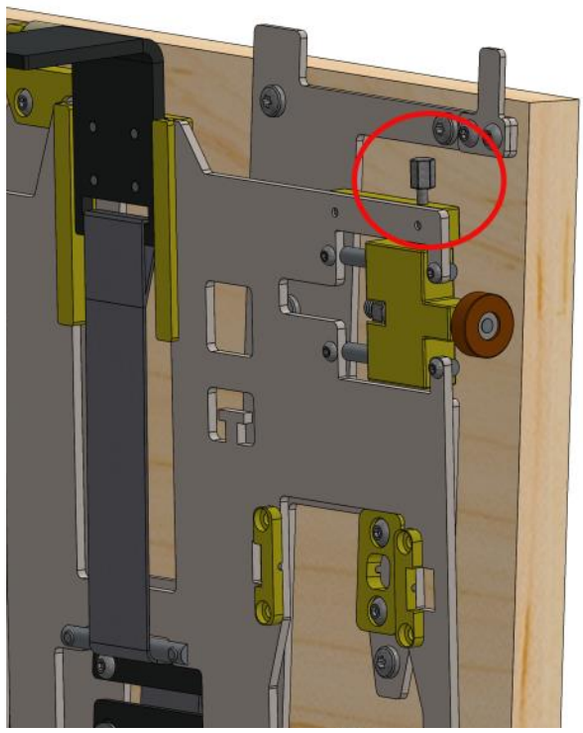




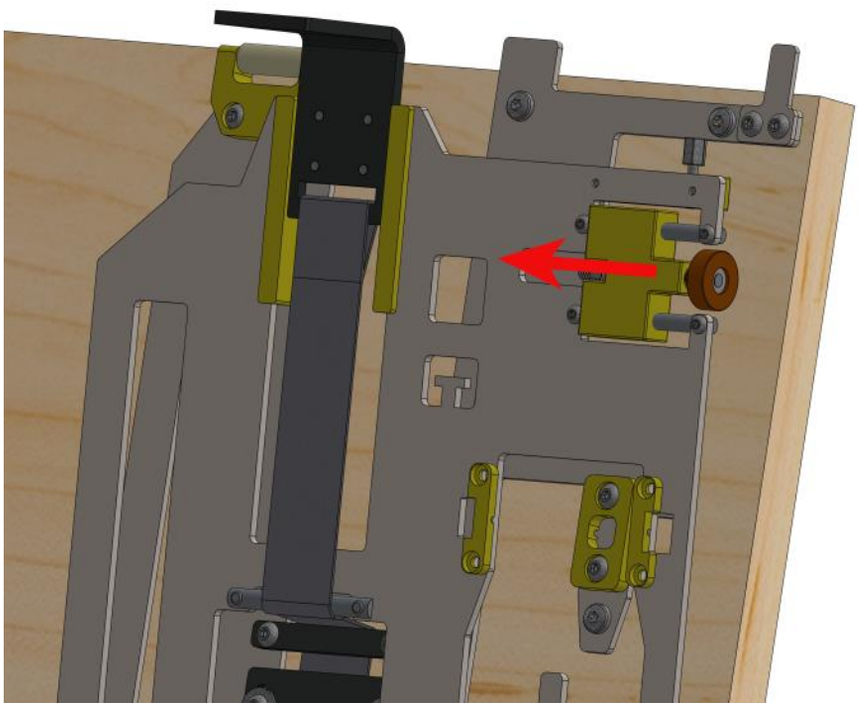
Installation second / third panel

On both the left and right sides of the panel, unscrew (not completely!) the adjustment bolt of the top and guide wheels.



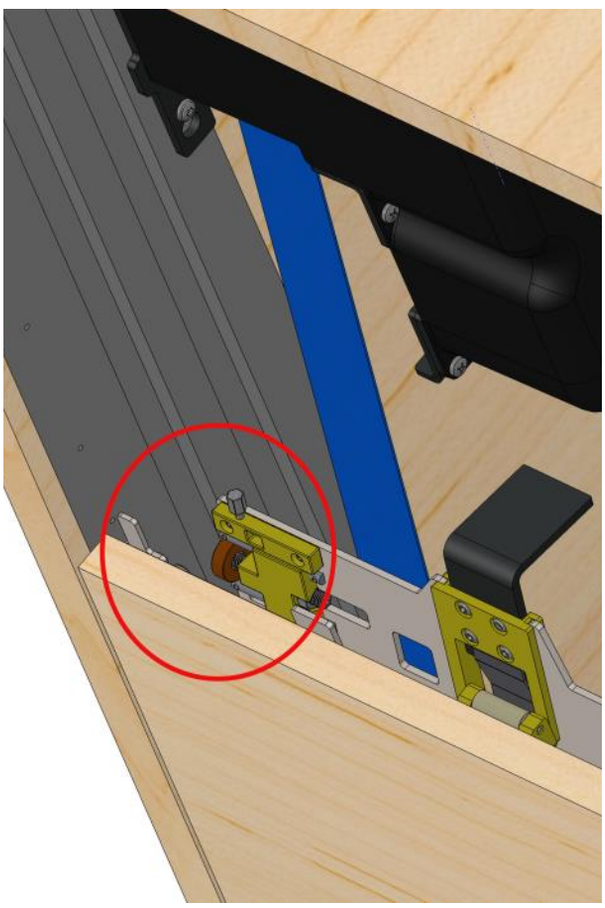


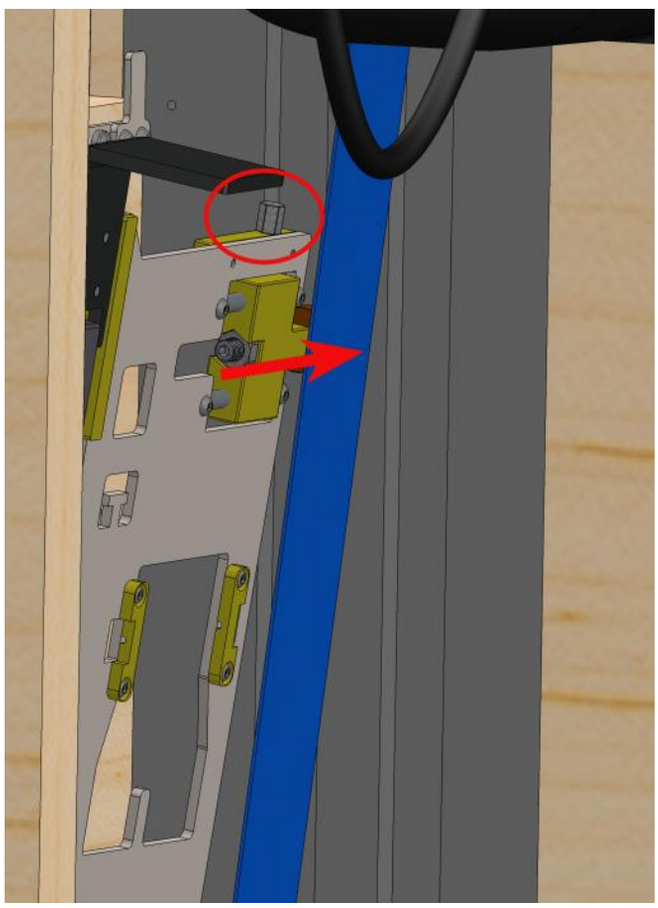
Slide the carriage of the guide block inwards.



Insert the panel with the top wheels retracted into the corpus in such a way that the lower wheels enter the corresponding slot.

Bring the upper wheel to the level of the slot, slide the wheel into the slot and retighten the adjustment bolt.

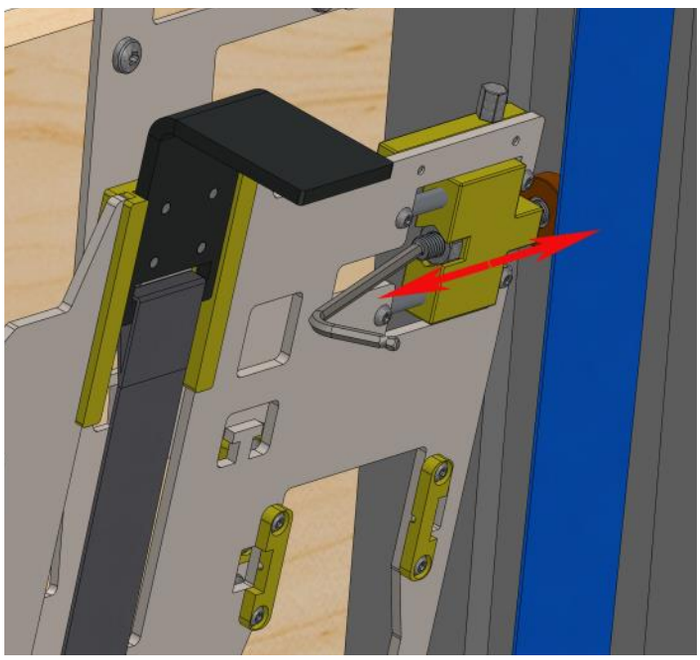




Adjustment of the guide blocks

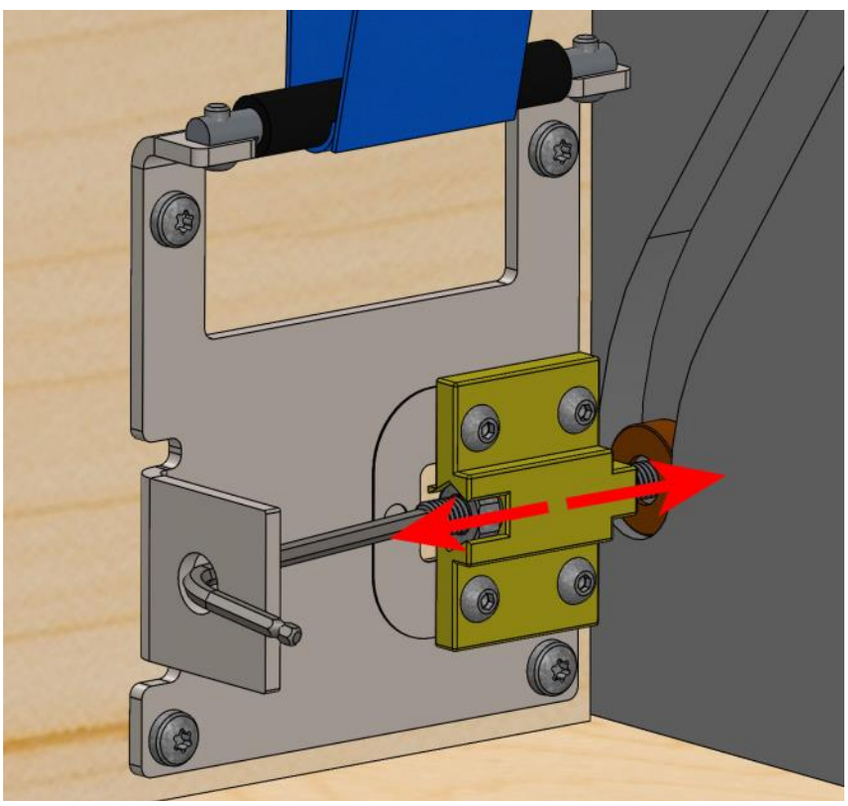
Depth control upper guide blocks.

Adjust the depth of the wheel in the slot by using an Allen key SW 3 to reduce or increase the depth of the wheel in the slot. Adjust so that on both sides you have adjusted the wheel to within 0.5 mm of the bottom of the slot.



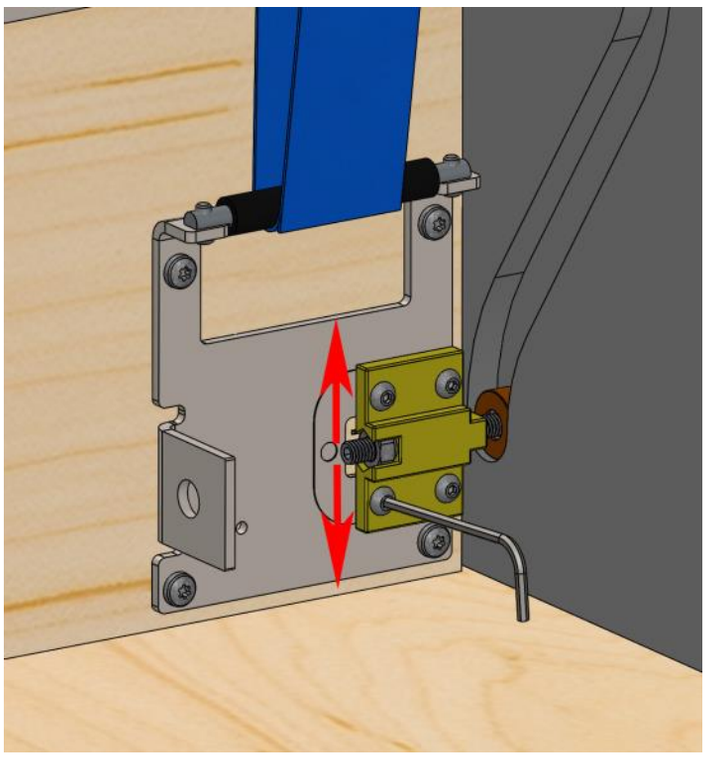
Depth control lower guide blocks.

The arrangement is identical to the upper guide wheels.



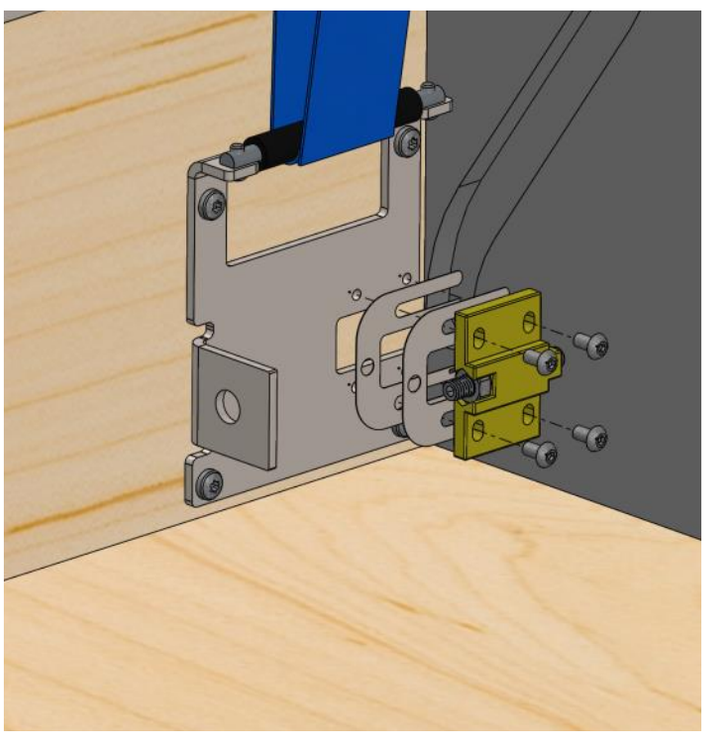
Height control lower guide blocks.

The height of the guide blocks on the panel can be adjusted by loosening the 4 fixing bolts with Allen key SW 2.5. After moving the block up or down, retighten the bolts.



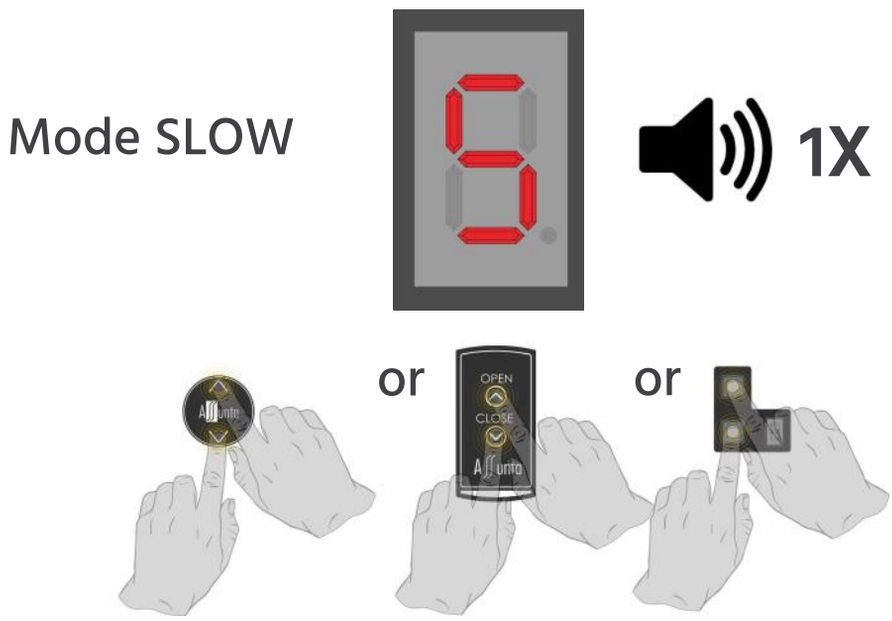
Front control lower guide blocks.

By placing the thickness plates of 0.2 mm in front of guide block, the position of the guide block relative to the front of the panel can be changed.

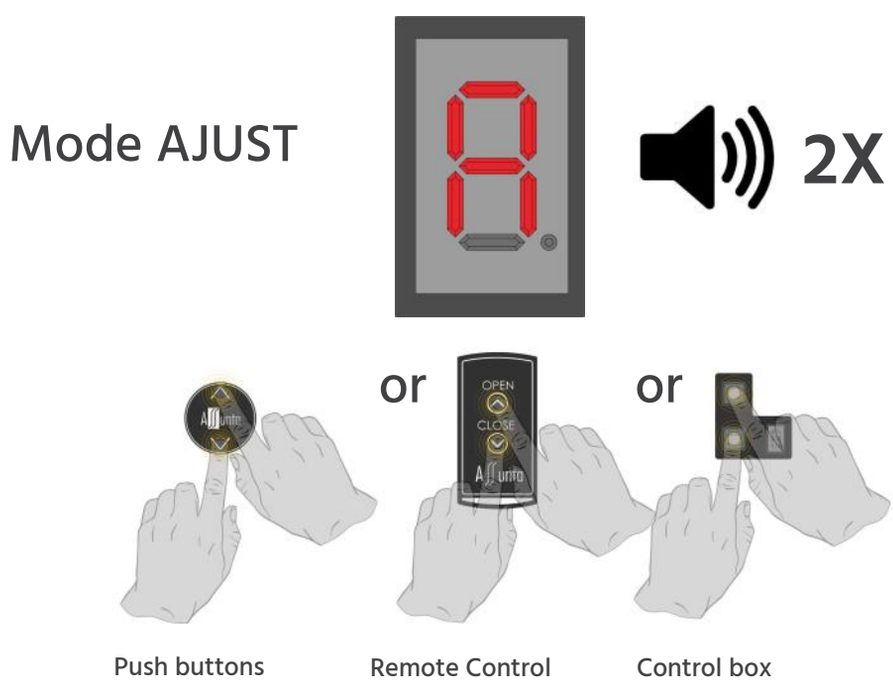


Putting the system into operation

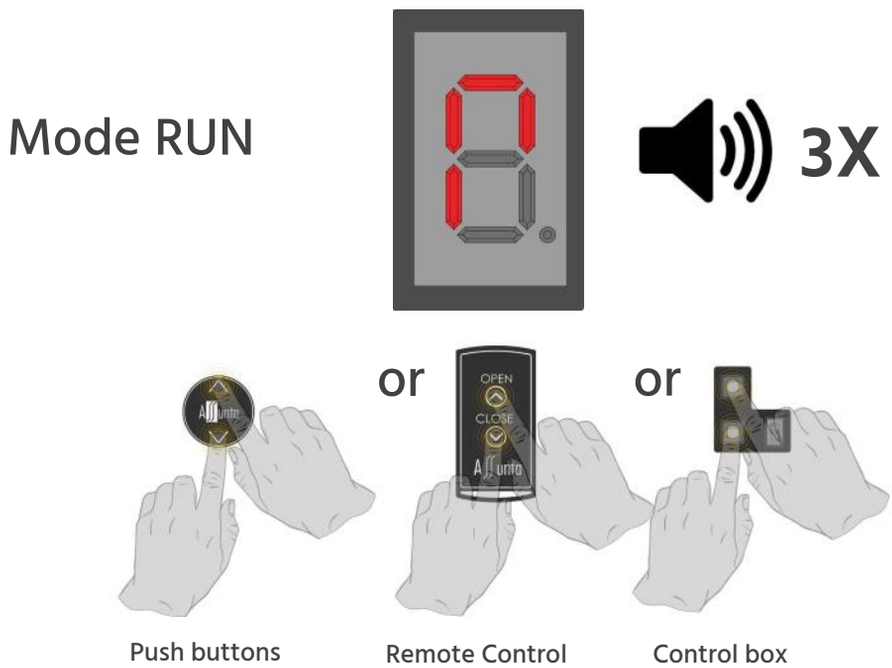
Place in the system in 'SLOW' mode by pressing and releasing the 2 control buttons simultaneously when 'S' appears (You will hear one beep). You can freely move the panels up and down by pressing UP/OPEN or CLOSE/DOWN. The panels move slowly, allowing you to check proper operation. With a small increase in the force the motors have to deliver, the system goes into safety and the motors stop. By pressing again, you can continue.



Place in the system in 'ADJUST' mode by pressing and releasing the 2 control buttons simultaneously when 'A' appears. (You will hear two beeps). The lower panel automatically positions itself on the bottom and the belts are tightened.

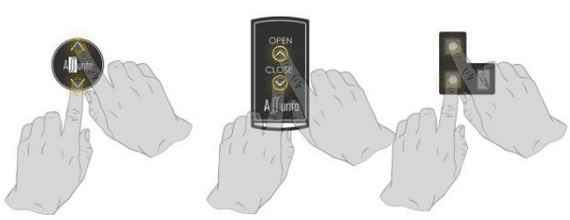


If the 'Adjusting' has gone well, place the system in 'RUN' mode by pressing and releasing the 2 control buttons simultaneously when 'R' appears (You will hear three beeps). The system will now first automatically perform an 'ADJUST' itself. After this adjust, the panel will come forward until against the next/fixed panel. When the panel is nice and straight, press the OPEN/UP button once and the panels will continue upwards. Once up, the system is ready for use.



<u>AGAIN:</u> The 'measurement cycle' thus started when switching to mode RUN. RUN runs completely automatically except that you have to press the OPEN/UP button once when the lower panel straightens out. If you do not do this, the motors continue running and then return to bring the panel forward again. The panel will continue to oscillate in this way until you thus press the OPEN/UP button when the lower panel is straight.

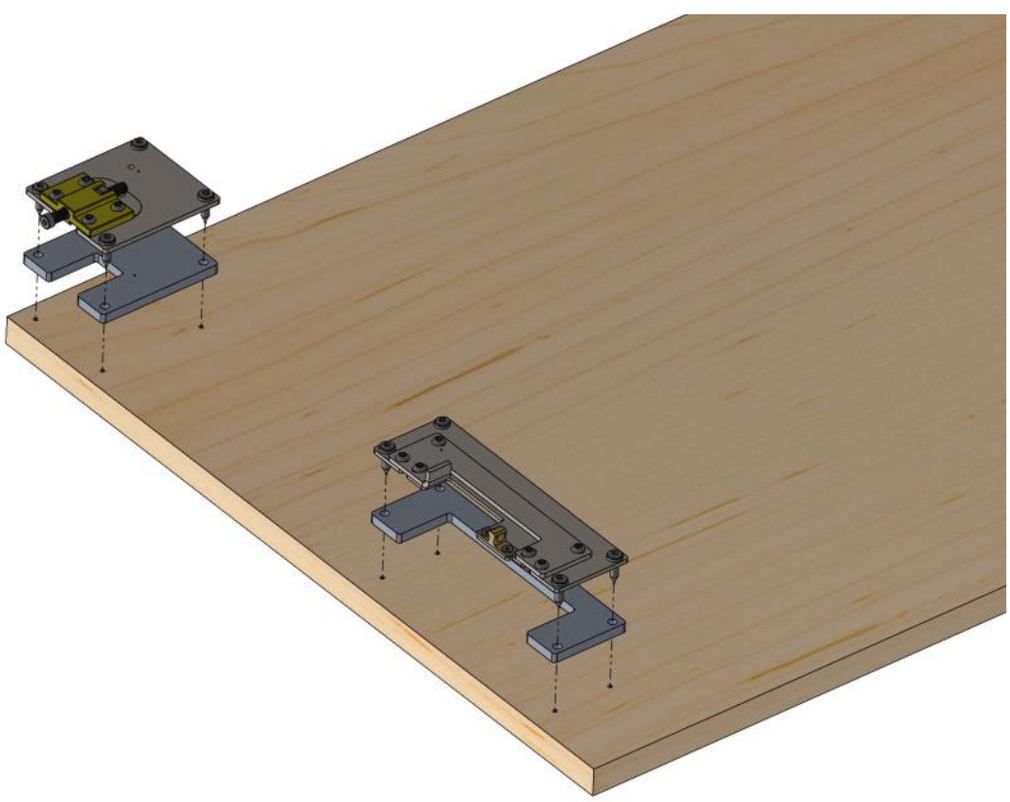
Press UP/CLOSE when lower panel is in upright position



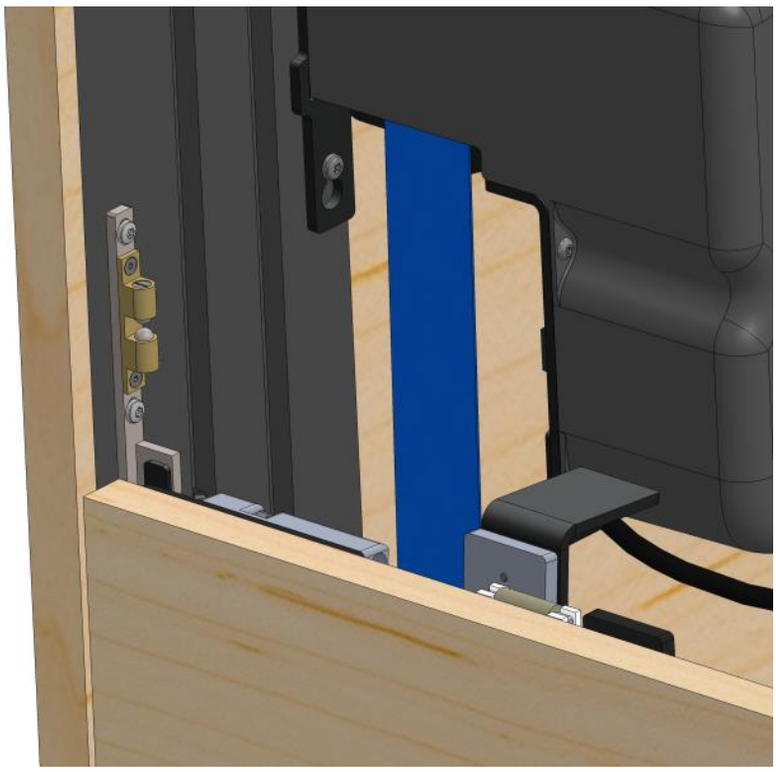
Installation of fixed panel

Mount all components on the fixed panel, at the bottom the ball snappers and at the top the hinge blocks.

For **surface mounted** panels, provide the separately available 6 mm intermediate plate.



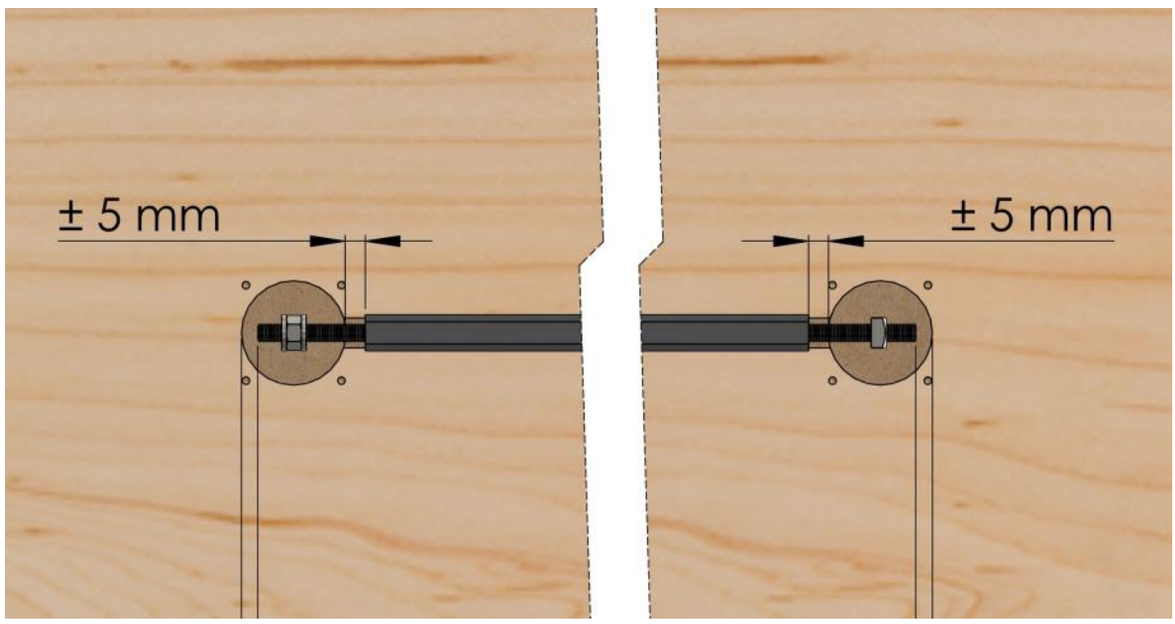
Screw the ball snappers to the side guides. Notice the adjustability in height and depth.



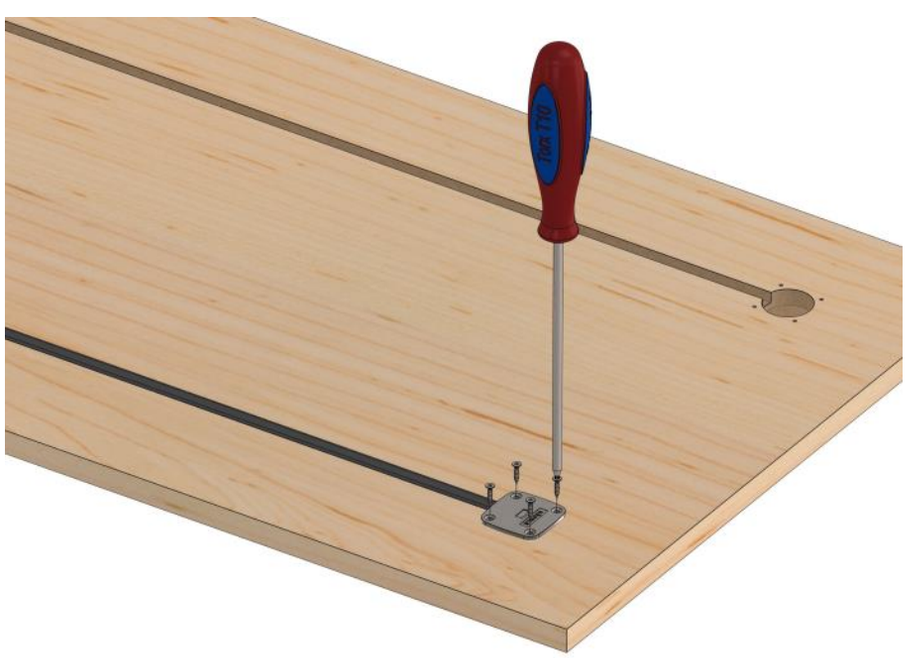
Place the fixed panel in the cabinet and unscrew the wheel of the hinge blocks into the groove provided for this purpose. Make sure the vertical clearance around the panel is evenly distributed.

Installation of the door aligners (optional)

Cut the threaded rod of the door aligners to a length such that the position is well over half the 35 mm recess. On one side, screw the hex nut and 2 washers over the threaded rod. On the other side, screw the square nut over the threaded rod.

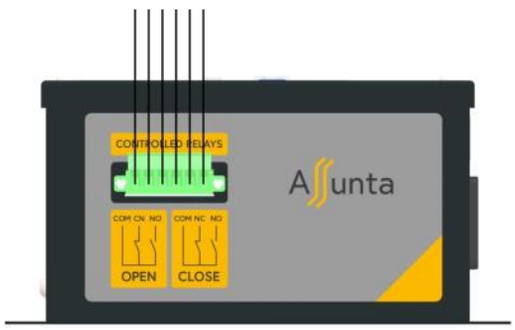


Place the retainers and threaded rod in their respective infreading (see drawings www.Assunta.be).
The tensioner (wide slot) is placed on the hex nut.
Screw the transverse plates over the protective sleeve. Spread them evenly across the width of the panel.
Position the panel straight, tension or loosen the hex nut to get the panel perfectly straight. Place the cover caps over the holders.

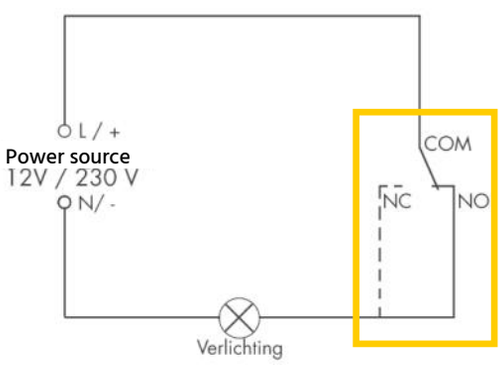


Connection of the relay contacts

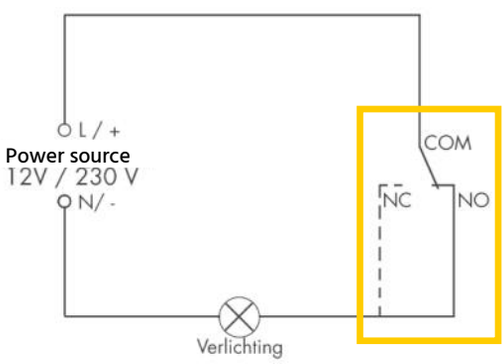
The relay contacts of the control cabinet can also be used to control lighting (or home automation). They can be connected to the side of the control cabinet. Four different states of the Assunta cabinet can be programmed. The cabinet is completely closed, the cabinet is completely open, the cabinet begins to close, the cabinet begins to open. These contacts are voltage-free; if lights are to be controlled with them, an external power supply (max 12A) must be fitted.

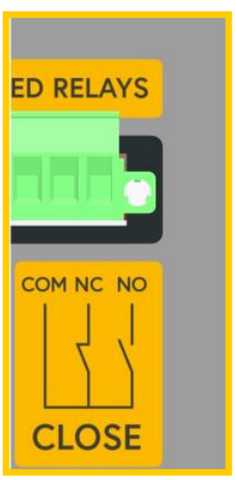


	OPEN
NO	Contact closes when cabinet is fully OPEN
NC	Contact closes when cabinet is not fully OPEN



	CLOSE
NO	Contact closes when cabinet is fully CLOSED
NC	Contact closes when cabinet is not fully CLOSED





Error codes and user modes

ERROR CODE	DESCRIPTION	SOLUTION
 Lack error	The lack error occurs when the encoder loses pulses when moving.	During measurement cycle: the weight of the panels is too high. During normal operation: perform another measurement cycle.
 Overcurrent error	The motor must supply too much power to pull up the panels.	During measurement cycle: the weight of the panels is too high. During normal operation: perform another measurement cycle.
 Overload	The current limit of the power supply has been reached.	During measurement cycle: the weight of the panels is too high. During normal operation: perform another measurement cycle.
 Right-hand motor error	The right-hand motor has been disconnected.	Check the connections of the right-hand motor.
 Right-hand encoder error	The connection to the right-hand encoder has been lost.	Check the connections of the right-hand motor.
 Left-hand Motor error	The left-hand motor has been disconnected.	Check the connections of the left-hand motor.
 Left-hand encoder error	The connection to the left-hand encoder has been lost.	Check the connections of the left-hand motor.
 Left-side tilt contact error	The left-side tilt contact no longer sends a signal.	Check the connections of the left-hand motor.
 Right-side tilt contact error	The right-side tilt contact no longer sends a signal.	Check the connections of the right-hand motor.
 Tilt contact error	The measurement cycle cannot be started because the tilt contact is not received (in time).	The belts are unwound too far to start a measurement cycle. Slightly tighten the belts in the 'Slow' mode.

USER MODE	DESCRIPTION
 Slow	Manual operation of the system. The system moves slowly.
 Adjust	Puts down the lower panel and adjusts the belts at the same length.
 Run	The system is in operation mode, panels are moving fast, deceleration points are set.

Notes

Couthoflaan 14—16
8972 PROVEN, BELGIUM
T +32 (0)57 36 01 23
sales@vanbot.be
www.vanbot.be

Notites

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