

Collision detection is triggered when the desktop hits a rigid hindrance. This works both upward and downward. Owing to the physical properties of the desk (desk base and desktop), the collision detection reacts with a different degree of sensitivity upon hitting hindrances at different places of the desktop. Even with different loads and load distributions on the table, the collision detection reacts with different degrees of sensitivity.

If the collision protection detects a collision, the control stops the current movement and moves shortly in the opposite direction. This is intended to prevent distortion and a slanted position of the table.

Remove the hindrance before the next movement.

After the collision and removal of the hindrance, the control is ready for operation again immediately.

10.4 Safety-Stop / Safety zone

This is an optional function and is not available with every control.

The safety stop is an additional stop above the minimal position. At this position, the table stops automatically when the -button is pressed. To further reduce the table height, first release the button and then press it again.

Below the safety-stop, the desk moves with reduced speed until it reaches the minimal position. The safety stop is unchangeably stored in the control.



Note: If a stored height position below the safety stop is to be approached, the table also stops at the safety stop, the respective button must then be pressed again to approach the position at reduced speed.

11 Configuration-dependent functions

11.1 Comfort hand switch

Oelschläger **Metalltechnik** GmbH offers its customers various types of hand switches with a display. As a result, the appearance, the display, or the buttons can vary from the model in the illustration. All of our hand-switch models are available with and without a printed logo. The functions that have been described can be executed with all these comfort hand switches and are described with the help of the model STAND.MOVE M1.1. There is a detailed description of the hand switch functions in the relevant operating manual of the respective hand switch.



Figure 8: Hand switch STAND.MOVE M1.1

This hand switch is also equipped with a display to show the current table height in centimetres (cm) or inches (Inch). The display may also show information about the status of the table as a code (see chapter 15.2). If the hand control is not operated for a longer period of time, the display goes out, pro-

vided that no error is currently indicated. The display is switched on again as soon as one of the keys is pressed.

With the arrow keys (↩ and ↪), the table can be moved similarly to the simple hand switch (see section 10.1).

11.1.1 Saving positions

The STAND.CONTROL C1.3 control provides the user the facility to save up to four heights. This function can only be used with a comfort hand switch. The positions are saved in the control and are retained even when the hand switch is replaced.

To save a position, proceed as follows:

1. Move the table, using the arrow keys (↩ and ↪), to the desired height.
2. Press the “Logo” button below the display.
3. A **P₋** will appear in the display.
4. Press the position key (keys **1** – **4**), to which you wish to save the position.
5. The selected position is shown in the display (for example **P1**).

The current height is now ready to be retrieved using this position button. After approx. 2 seconds, the display toggles automatically and once again displays the current height. In this manner, a height can be assigned to every position button.

The stored positions cannot be deleted, but a new height can be stored on the position keys at any time.



Note: No positions can be saved below an existing container stop and any positions saved below it before setting a container stop can no longer be approached, the table then stops at the container stop. The same applies analogously to the shelf stop and positions above it.

11.1.2 How to retrieve a saved position

Press the button for the desired position. Keep the button pressed until the table has reached the desired height and the journey ends.

The button must be pressed until the position is reached; if you let go beforehand, the desk stops moving.



Note: Stored positions below a newly created container stop and above a newly created shelf stop are ignored. In this case, the table only moves up to the container or shelf stop.

11.1.3 Calling the menu

The Comfort hand switch provides various possibilities for settings, which can be carried out by the operator himself (**F4** to **F10** are not always available, depending on the configuration).

To do so, press the “Logo” key for at least 6 seconds until the display changes to **F**. If the display shows **F1** after a few seconds, you can navigate through the menu with the arrow keys (▼ and ▲).

Structure of the menu:

F1	Changing the unit of the height display (Inch – cm)	Section 11.1.4
F2	Adjusting the displayed height	Section 11.1.5
F3	Factory reset	Section 11.1.6
F4	Set container and shelf stop (depending on the configuration)	Section 11.1.7
F5	Delete container and shelf stop (depending on the configuration)	Section 11.1.8
F6	Change the sensitivity of the internal sensor upwards (depending on the configuration)	Section 11.1.9
F7	Change the sensitivity of the internal sensor downwards (depending on the configuration)	Section 11.1.9
F8	Change the sensitivity of the external sensor upwards (depending on the configuration)	Section 11.1.9
F9	Change the sensitivity of the external sensor downwards (depending on the configuration)	Section 11.1.9
F10	Change the speed of the table (depending on the configuration)	Section 11.1.10
F11	Locking function / protection against unauthorised use (depending on the configuration)	Section 11.1.11

In the absence of any selection or further actions, after approx. 10 seconds, the display automatically switches back to the height display.

11.1.4 **F1** Changing the unit of the height display (Inch – cm)

The height of the tabletop can be shown in centimetres (cm) or inches (Inch) on the display. The unit can be toggled in the menu. The height is displayed rounded to the nearest centimetres or in tenths of an inch with one decimal.

To change the unit, proceed as follows:

1. In accordance with the instructions go to the menu of the hand switch.
2. If necessary, navigate with the arrow keys ( and ) to menu option 1. The display must show **F1**.
3. Confirm the selection by once again pressing the “Logo” key.
4. The display shows the currently set unit ( (for Inch) or  (for cm)).
5. Now select your desired unit by pressing the  or  keys.
6. Confirm the selection by once again pressing the “Logo” key.
7. The hand switch automatically toggles back to the height display.

11.1.5 **F2** Adjusting the displayed height

Sometimes, the comfort hand switch does not display the actual height of the desktop of your table. The reason for this can, for example, be the height-compensation using adjustment screws below the table skids or the use of tabletops with different thicknesses.

For this purpose, the height can be adjusted in the menu of the comfort hand switch.

To do this, proceed as follows:

1. Measure the correct current table height. Make note of the actual table height.
If you measure table height in the minimum position, you can set this value directly later, otherwise determine the difference between the displayed and real height.
2. In accordance with the instructions in section 11.1.3 go to the menu of the hand switch.
3. If necessary, navigate with the arrow keys ( and ) to menu option 2. The display must show **F2**.
4. Confirm the selection by once again pressing the “Logo” key.
The height of the minimal position is displayed.
5. Adjust the displayed height with the arrow keys ( and ) to the actual height in the minimum position upwards or downwards, use the value determined under point 1 or the difference between displayed and actual height determined there for the adjustment.
6. Confirm the input by once again pressing the “Logo” key.
7. The hand switch automatically switches back to the height display.

11.1.6 **F3** Factory reset

The function is described in detail in Sections 12 and 12.1 and should only be carried out if this is absolutely necessary.

11.1.7 **F4** Set container and shelf stop (depending on the configuration)



Warning: Only trained personnel should carry out the setting of container and shelf stops. There is a danger of injury from wrong setting of the Stop positions, and a danger of the table getting destroyed.



Warning: With an initialisation movement prompted by the control, the reset position is always taken up directly. Any container stop or safety stop that is present is ignored.

First, remove all hindrances below the table (for example, Rollcontainer) and pay heed to the increased risk of injury.



Warning: A stop must be set with a safety distance of min. 25 mm in front of a possible obstacle so that the risk of crushing is sufficiently reduced.



Note: This menu option is not present in all control configurations. If the menu option is missing, the user is not allowed to set a container stop or a shelf stop.



Note: With the additional stops, the safety of the table system can be increased, in that the possible movement path is restricted.

Container- and shelf stops are safety positions that cannot be run over during normal operation, so that collisions with known, permanently present hindrances can be prevented. The container stop limits the movement height downwards (minimum height) and can be used if there are limiting factors below the table, for example, a Rollcontainer. The shelf stop limits the movement height of the table upward. The shelf stop can be used if there are limiting factors above the table, such as a shelf or the incline of a roof.

To set a container stop or a shelf stop, proceed as follows:

1. Use the arrow keys (⏮ and ⏭) to move to the desired position.
2. Go to the menu of the hand switch in accordance with the instructions.
3. Navigate with the arrow keys (⏮ and ⏭) to menu option 4.
The display must show **F4**.
4. Confirm the selection by once again pressing the “Logo” key.
5. The display now shows the following cases
 - a.  In this position you can set the container stop.
The table position is currently in the lower half of the total stroke.
 - b.  In this position you can set the shelf stop.
The table position is currently in the upper half of the total stroke.