

**ROL** | Workplace

# User manual



Flow Visual Hand Controller



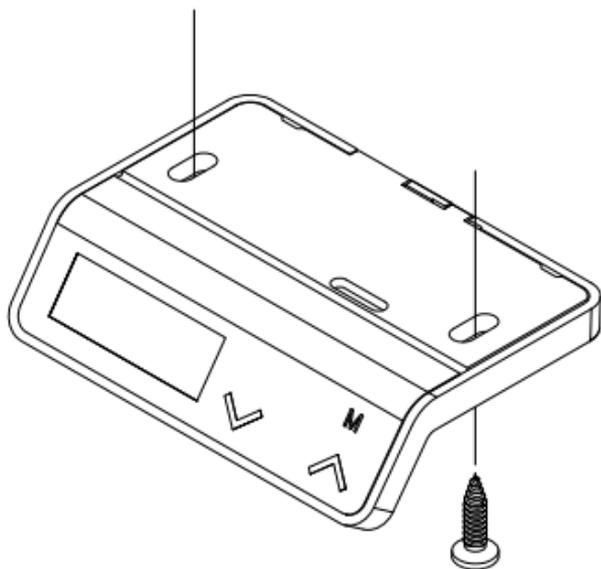
## I. European Union (EU)

You can download the user manual by clicking the symbol corresponding to your language, [BG](#), [CS](#), [DA](#), [DE](#), [EL](#), [ES](#), [ET](#), [FI](#), [FR](#), [GA](#), [HR](#), [HU](#), [IT](#), [LV](#), [LT](#), [MT](#), [NL](#), [PL](#), [PT](#), [RO](#), [SK](#), [SL](#), [SV](#).

# Installation

## Installation

Attach the hand controller to the underside of the desktop using the two provided screws. If the desktop thickness is less than 18mm (3/4") use shorter screws (not provided).



## Connect

Connect the hand controller cable to one of the columns connector ports. The second port on the hand controller can be used to connect other devices.

# Button guide



- Adjust desk upwards
- Scroll up when in the Menu mode

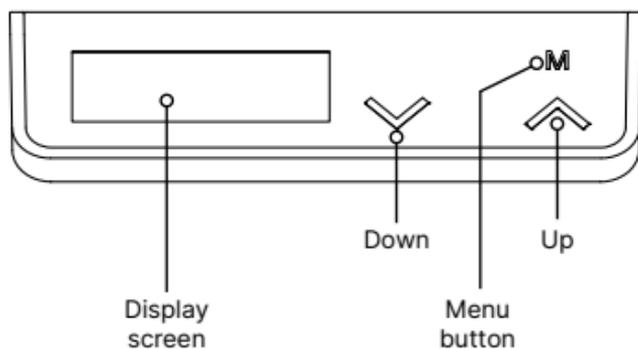


- Adjust desk downwards
- Scroll down when in the Menu mode



- Menu, to enter the Menu mode
- Enter, when in Menu mode

# Hand controller layout



Explanation of the symbols:



 Menu mode

 Imperial system, inch

 Memory

 Thermometer

 Error codes

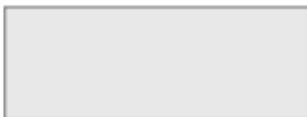
 Metric system, centimeter

 Reset

# Display modes

## Sleep Mode

The backlight of the display will be turned on once any button is pressed and will be turned off after 15 seconds of inactivity.



## Start Up

When powered on, the display screen will show three dashes, meaning the desk is starting up.



Once finished, the display screen will show the height.



# Perform Reset/Homing

## Critical step

After installation or if a critical component such as a column or motor is changed or disconnected, a Reset must be performed.

## NOTE!

Ensure that the areas around and under the desk are clear.

A reset will lower the desktop slowly and eventually level the desktop in the lowest position

To do a reset/homing action, follow the steps below:

Press and hold the Up and Down buttons at the same time



Hold the buttons pressed at least 8 seconds

Release the Up and Down buttons



The display will indicate the reset mode



Press and hold the Down button until the desk reaches its lowest position and stops moving

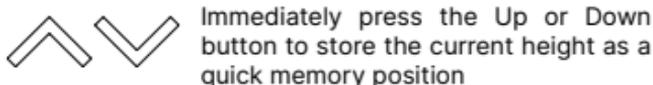
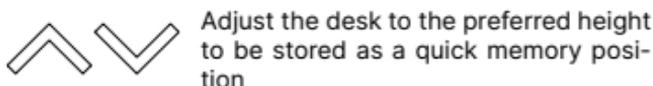


The display will show the lowest height reading

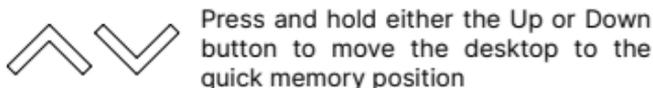
# Quick memory positions

There is a quick memory position option to set the Up and Down buttons to move the desk to a predefined height.

To set/adjust a quick memory position, follow the steps below:

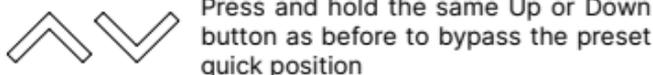


To use a quick memory position, follow the steps below:



Release the Up or Down button

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# Memory positions 1-3

To set a memory position, follow the steps below:



Adjust the desk to the preferred height to be stored as a memory position 1/2/3



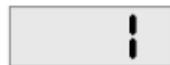
Press and hold the Menu button for 3 seconds



Use the Down button to navigate to SET screen



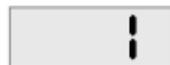
Press the Menu button to select



Use the Up or Down button to select position 1/2/3 to save the height



Press the Menu button to save the current position

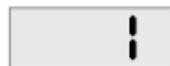


The display will confirm the setting by flashing 1/2/3 three times

To access a memory position, follow the steps below:



Hold the Menu button for 3 seconds



Use the Up or Down button to choose stored positions 1/2/3



Press and hold the Menu button while the desk moves to the stored memory position

# Upper limit

To set an Upper Limit, follow the steps below:

Set an Upper Limit when organizing over-head storage.



Press and hold the Menu button for 8 sec



Three dashes will be displayed on the screen

Release the button



Use the Up or Down button until U.L. (Upper Limit) is visible



Press the Menu button once to select



Use to Up and Down buttons to set the desired height



Press the Menu button once to confirm the height and to return to menu

Once the upper limit is set, the desk will stop at the pre-set upper limit even if the user tries to adjust the desk higher than the limit. The user needs to first release Up and then press and hold Up button again for 3s to continue adjust the desk upward.

# Lower limit

To set a Lower Limit, follow the steps below:

Set a Lower Limit when organizing storage under the desk



Press and hold the Menu button for 8 sec



Three dashes will be displayed on the screen

Release the button



Use the Up or Down button until L.L. (Lower Limit) is visible



Press the Menu button once to select



Use to Up and Down buttons to set the desired height



Press the Menu button once to confirm the height and to return to menu

Once the lower limit is set, the desk will stop at the pre-set lower limit even if the user tries to adjust the desk lower than the limit. The user needs to first release Down and then press and hold Down button again for 3s to continue adjusting the desk downwards.

# Software version

To access the software version of the hand controller, follow the steps below:

M

Press and hold the Menu button for 8 seconds

---



Three dashes will be displayed on the screen

---

Release the button

---



Use the Up or Down button until SOF (Software version) is visible

---

M

Press the Menu button once to select

---



The software version of the hand controller will show on the display

---

M

Press the Menu button once to return to menu

To access the software version of the actuator, follow the steps below:

M

Press and hold the Menu button for 8 seconds

---



Three dashes will be displayed on the screen

---

Release the button

---



Use the Up or Down button until Act (Actuator version) is visible

---

M

Press the Menu button once to select

---



The software version of the actuator will show on the display

---

M

Press the Menu button once to return to menu

# Calibration

To calibrate the height, follow the steps below:

If the display reading doesn't match the actual desktop height, the height needs to be calibrated.

Measure the distance between the floor and the top of the desktop



Press and hold the Menu button for 8 seconds



Three dashes will be displayed on the screen

---

Release the button



Use the Up or Down button until CAL (Calibrate) is visible



Press the Menu button once to select



Use the Up and Down buttons to change the displayed height to the measured height



Press the Menu button once to store the displayed height and return to menu

# Units

To change between metric and imperial units, follow the steps below:

M

Press and hold the Menu button for 8 seconds

---



Three dashes will be displayed on the screen

---

Release the button

---



Use the Up or Down button until Un (Units) is visible

---

M

Press the Menu button once to select

---



Choose CM (centimeter) or " (inch) with the Up or Down button

---

M

Press the Menu button once to store the chosen unit and return to menu

# Reset

To perform a reset, follow the steps below:

A reset will lower the desktop slowly and eventually level the desktop in the lowest position



Press and hold the Menu button for 8 seconds



Three dashes will be displayed on the screen

Release the button



Use the Up or Down button until RES (Reset) is visible



Press the Menu button once to select



Press and hold the Down button until the desk reaches its lowest position and stops moving

# Error log

To access and visualize errors, follow the steps below:

This will show the number of times each error has occurred since start-up or last reset



Press and hold the Menu button for 8 seconds



Three dashes will be displayed on the screen

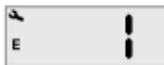
Release the button



Use the Up or Down button until Err (Error) is visible



Press the Menu button once to select



Navigate with the Up or Down button to the error number you want to view



Once the number is selected, just wait for 1 second and the number of times that error has occurred will appear on the display



Press the Menu button once to return to menu

# Error codes

1. Hard stop
2. Back off
3. Soft stop
4. Waiting for button
5. Waiting for button release
6. Motor lost
7. Overcurrent
8. Overheating. Thermometer flashing, wait 10 minutes for motor cooling
9. Low voltage (under 16vdc)
10. High Voltage (over 40vdc)
11. Out of sync/ legs too far apart
12. Destination above upper limit
13. Destination below lower limit
14. Internal error
15. Collision detected by CDS
16. Wrong number of motors connected
17. Destination above upper motor limit
18. Destination below lower motor limit
19. Slave lost/ Disconnected
20. Motor not moving



Default error code  
example



Error code 8, flashing  
thermometer

