

Office

HIGH PERFORMANCE ERGONOMIC FURNITURE

FFIT[®]

**Operating Manual for
Adjustable Height Tables**

designForm



Contents

| | |
|-----------------------------|---|
| Safety Instructions | 3 |
| General Operation | 4 |
| DP 003 Control Panel | 6 |
| Digital Control Panel | 7 |
| Electrical Connection | 9 |

Safety instructions



1. Read the operating instructions completely.

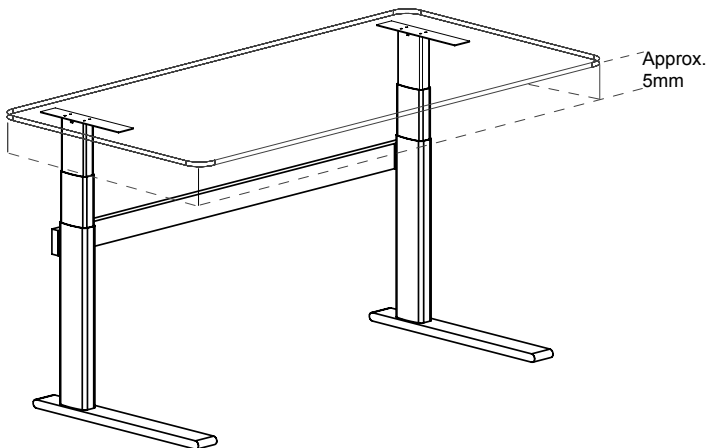
2. Failure to comply with OfficeFIT® instructions may result in serious damage to the system or one of its components.
 3. Persons who do not have the knowledge of the product(s) or have reduced physical or mental abilities must not use the product(s) unless they are under surveillance or they have been thoroughly instructed in the use of the apparatus by a person who is responsible for the safety of these persons.
 4. It is important for everyone who is to connect or use the systems to have the necessary information and access to this User Manual.
 5. The appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
 6. Before troubleshooting
 - Stop the desk legs
 - Switch off the power supply and pull out the mains plug.
 - Remove everything from the desk top which might contribute weight.
 7. Before start-up:
 - Make sure that the power supply is 110v before plugging the control panel in to it.
 - The individual parts must be connected before the control box is connected to the main power supply.
 8. During operation:
 - If the control box makes unusual noises or smells, switch off the main power immediately.
 - Take care that the cables are not damaged.
 - Unplug the main power cable on mobile equipment before it is moved.
- 10. Warning!** Do not attempt to oil the OfficeFIT® system.

General operation

Initialization

The manufacturer suggests the OfficeFIT® system be initialized before use.

1. Press and hold the **DOWN** arrow button. It is sometimes necessary to press the **DOWN** button twice to start the initialization because the system can be in different modes when the initialization starts. There will be a 1.25 second delay. Hold the **DOWN** arrow button until the desk runs to its lowest point or “end stop”. The OfficeFIT table will then automatically run approximately 5 mm up again and hereafter slowly run down again.
2. Release the **DOWN** button when the movement has completely stopped. If the button is released before the sequence is complete then the initialization is interrupted and must be started again from the beginning.
3. If an error situation occurs at the end stop positions or the desk legs are changed to another stroke length, then the control box has to be initialized again. The first two times the system runs into the outward end stop, it will automatically run approximately .3 mm back in inward direction.



Anti-Collision™ Dongle

The anti-collision dongle is a new option for OfficeFIT®. A system with an anticollision dongle installed can limit material damages on a desk if a collision with a solid object should occur.

Enabling the anti-collision

To enable the anti-collision function, a dongle must be mounted in one of the two control ports of the control panel on the underside of the desk or table. The function is only active when the dongle is mounted. ***If you remove the dongle again you disable the function.***

Method of operation

When the desk legs are running, the control box monitors the electric consumption on each leg. If the electric consumption on one channel is increased more than a predefined slope a collision is assumed. All channels are stopped immediately and all desk legs will start to run in the opposite direction (approximately 50 mm). This return drive is done automatically and continues with or without any control key pressed (for max. 2.5 seconds).

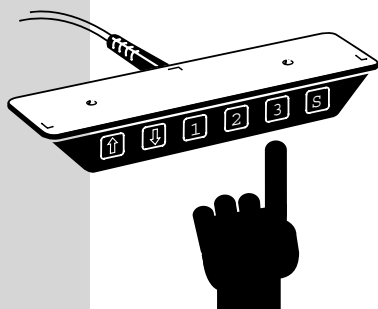
The anti-collision sensitivity is different in up and downward direction. Upwards the force is approximately 20 kg. Downwards the load will be approximately 40 kg + the load on the desk leg (the desk + what is on top of the desk). The 40 kg are needed to activate the anti-collision function.







Situations where the anti-collision does not work

There are situations where the anti-collision will not be activated. These situations are:

- If the collision happens during the initialization phase
- If the collision happens within the first 1000 msec or after the control button has been released
- If the collision happens between the floor and the table and the load on the desk plus the weight of the legs are lower than 40 kg
- If the collision happens over too long time, e.g. if the collision is with a soft object

DP 003



| | |
|---|--------------|
|  | Desk Up |
|  | Desk Down |
|  | Memory 1 |
|  | Memory 2 |
|  | Memory 3 |
|  | Store Memory |

*The control panel cannot be used without electricity.
Please make sure the control box is plugged in*

DP 003 Control Panel Specifications

The DP 003 is equipped with **UP** and **DOWN** arrow buttons and three memory settings.

Operation

Press and hold the **UP** or **DOWN** arrow buttons to move the desk up or down.

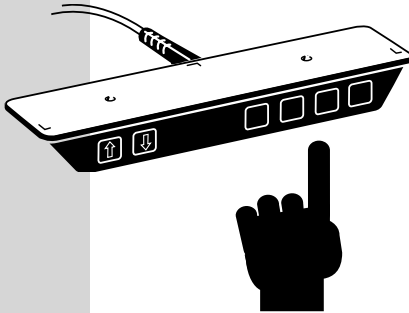
Program the Memory Buttons







Using the arrow buttons, adjust the table to desired height. Push the **S** button once and release. Then press and release either **1**, **2** or **3** to store the current table position in memory.

Using Memory Settings

Memory buttons **1**, **2** and **3** may be used to store three separate pre-programmed positions. Press and hold either the **1**, **2** or **3** memory button to move the desk to the memorized position.

Digital Control Panel



| | |
|---|--------------|
|  | Desk Up |
|  | Desk Down |
|  | Memory 1 |
|  | Memory 2 |
|  | Memory 3 |
|  | Store Memory |

***The control panel cannot be used without electricity.
Please make sure the control box is plugged in***

Digital Control Panel Specifications

The Digital Control Panel is equipped with a digital display and three memory settings. The actual height of the desk is shown in the LED display with yellow 10mm high digits.

Operation

Press and hold the **UP** or **DOWN** arrow buttons to move the desk to the desired height. The display will count up or down while running, and after stopping it will continually show the height of the desk.

Changing the display between centimeters and inches

Press and hold the **S** button pressed for approximately four seconds and the reading will change from the current setting to either the inch or centimeter readout.

Adjusting the display to show the correct height

It may be necessary to adjust the display to show the correct work surface height. While holding the '**S**' button down, press the **UP** or **DOWN** arrow buttons to adjust the digital readout to the current table top height.

Continued on following page

Digital Control Panel, continued

Store a Memory Position

Using the up or down arrow buttons, adjust the OfficeFIT® table to the desired height. Press and release the **S** (Store) button. The digital readout will show an **S**. Then press either button **1**, **2**, or **3** to save the table position in memory. The digital readout will show an **S** plus the memory position number you saved.

Any stored position may be changed by simply storing a new table position over the old memorized position.

Using Memory Settings

Press and release the **1**, **2**, or **3** memory button. Then press and hold the up or down arrow. The OfficeFIT® table will move to the stored height, and show the height in the digital readout.

Digital Control Panel, continued

Errors

Below are the possible errors which can be displayed. The errors will only be displayed when a button is pressed. The display blinks while showing the error. Error code E16 overrules any other error as the detection is registered only in the display and no message is sent to the control box.

| Error Number | Description |
|--------------|---|
| E01 | The desk has an unknown position and needs to be initialized. |
| E02 | Overload upwards has occurred. |
| E03 | Overload downwards has occurred. |
| E16 | Illegal keys pressed |

Diagnostic Errors

The control box can send up to six different diagnostic error codes at the same time. The diagnostic error codes will overrule error states (except E16). Diagnostic errors will only appear as long as a button is pressed. The display will blink EXX and will toggle through the diagnostic errors and send them to the control box.

Electrical connection of the OfficeFIT® System

The OfficeFIT® system is to be connected as shown below. Each desk leg is to be connected to the sockets on the control box by means of the motor cables, which have a 6-pin plug in each end. Finally the power cable is to be mounted and power switched on. Please note that the control box must only be connected to 110v.

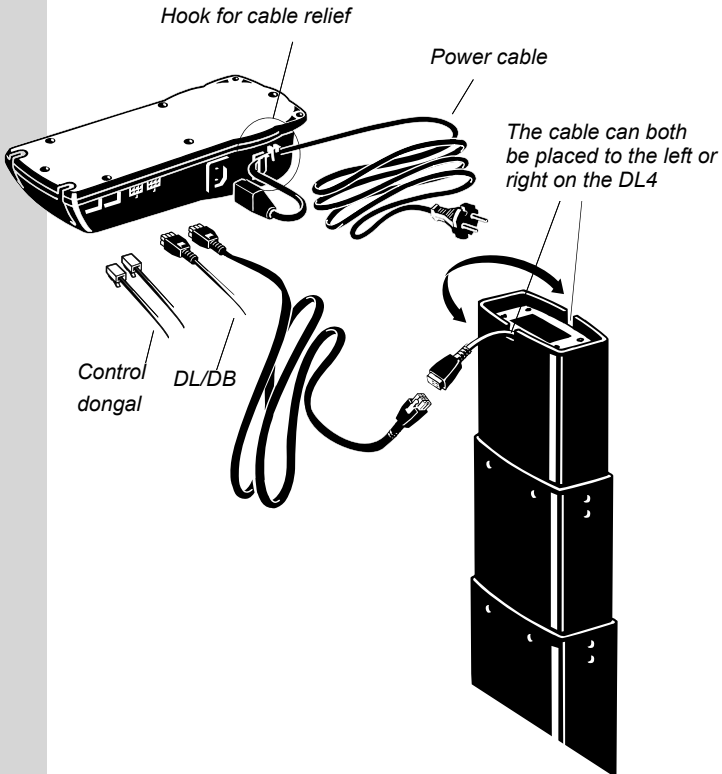
Control Box with ground

The control box ground cable will be mounted on the desk (typically the top frame) in a way that ensures good electrical contact. The function of the ground cable is to ground the desk and ground static electricity. The ground connection does not protect other electrical products.



Control box with power cutoff

If the power cable is damaged it has to be replaced by an authorized OfficeFIT® service center to avoid any danger.



Contact us at 559.412.4541 or www.designformmfg.com



Office

HIGH PERFORMANCE ERGONOMIC FURNITURE

FFIT[®]

design**Form**

