

## Height Adjustable Tables Operating Instructions

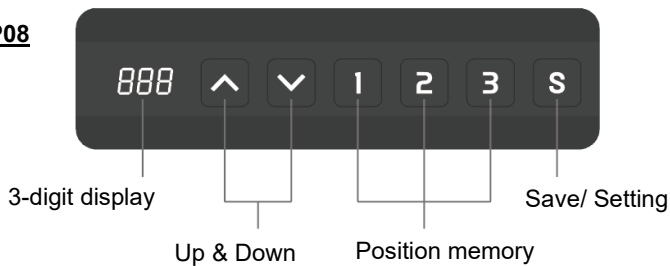


CF20

### I/O Introduction

M1: Motor 1	H: Handset
M2: Motor 2	AC: AC power

DP08



### Operation Function

Up & Down	To adjust the height of the desk, keep pressing on “up” or “down” until it fits your best position.
3-digit display	Display the height value of the desk.
Position memory(1/2/3/S)	Once set, the table can be moved towards the memorized height by pressing the position key.


## A. Initial Setup

CF20 control box has to reset after installed on different lifting table. Please follow the below.






1. Make sure that the power supply is connected and there are no obstacles in the moving path of the lifting table.
2. When power is plugged in the first time, the display will **n5E**, press and hold the  button for about 3 seconds.
3. The screen will flash **n5E** and begin the reset process. The table will automatically go to the lowest position, and then return to the lower limit height (default 5mm).
4. Handset displays the current height **278**, that the reset process is now down, and the table is ready for use.

### B. Reset

When each of `E11`, `E12`, `E40`, `E60` code appears, it must be reset first.

1. Press and hold the  button for about 3 seconds.
2. The screen will flash `n5E` and begin the reset process. The table will automatically go to the lowest position, and then return to the lower limit height (default 5mm).
3. Handset displays the current height `27.8`, that the reset process is now down, and the table is ready for use.

### C. Memory Settings

1. Press and hold the  or  to adjust the table to your desired position.
2. Press the  button once and the screen begins to flash the current height. Then press the number on the handset where you want the position stored, the screen displays the stored position, and then will leave the memory settings mode. Handset displays the current height, the memory setting is completed.
3. You may store up to three positions using numbers  through  on the handset.  
If no selection is made within 10 seconds, the screen will stop flashing and will leave the memory settings mode.
4. Once you have set your memory position, simply press the number on the handset and the table will automatically adjust to the stored height.

## D. Settings Mode



1. Press and hold the **S** button for about three seconds; the screen will flash the **S-0** on 3-digit display, to enter the settings mode.
2. Press the **▲** and **▼** buttons to selection **S-1**, **S-2**, **S-3**, **S-4**, **S-5**, **S-6** or **S-7** settings mode.
3. If no selection is made within 10 seconds, it will leave the settings mode.

Mode	Function	Setting steps
<b>S-1</b>	<b>Pinch and Collision Protection</b>	<ol style="list-style-type: none"> <li>1. While the display is <b>S-1</b>, press and hold the <b>S</b> button for about 3 seconds to enter setting, and the screen displays the current parameters. <ul style="list-style-type: none"> <li><b>001</b> = Lowest sensitivity</li> <li><b>002</b> = Medium sensitivity</li> <li><b>003</b> = Highest sensitivity</li> <li><b>OFF</b> = Turn off this function</li> </ul> </li> <li>2. Press <b>▲</b> and <b>▼</b> buttons to selection <b>001</b>, <b>002</b>, <b>003</b> or <b>OFF</b>. Once your selection is made, press the <b>S</b> button for about 3 seconds to save it.</li> <li>3. Press the <b>S</b> button again to leave this setting mode.</li> </ol>
<b>S-2</b>	<b>Initial height display</b>	<ol style="list-style-type: none"> <li>1. While the display is <b>S-2</b>, press and hold the <b>S</b> button for about 3 seconds to enter setting, and the screen display the <b>600</b> initial height.</li> <li>2. Press <b>▲</b> and <b>▼</b> buttons to adjust the height. Press the <b>S</b> button for about 3 seconds to save it.</li> <li>3. Press the <b>S</b> button again to leave this setting mode.</li> </ol>

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Mode	Function	Setting steps
5-3	<b>Lower limit height</b>	<ol style="list-style-type: none"> <li>1. Adjust the table to the lower limit height before entering the setting mode.</li> <li>2. While the display is 5-3, press and hold the <b>S</b> button for about 3 seconds to enter setting, and the screen displays current height. If the screen displays <b>noh</b>, it means that the limit height is not set.</li> <li>3. Press <b>▲</b> and <b>▼</b> buttons to select setting <b>SEE</b> or clearing <b>CEC</b>. Press the <b>S</b> button for about 3 seconds to confirm.</li> <li>4. Press the <b>S</b> button again to leave this setting mode.</li> </ol>
5-4	<b>Upper limit height</b>	<ol style="list-style-type: none"> <li>1. Adjust the table to the upper limit height before entering the setting mode.</li> <li>2. While the display is 5-4, press and hold the <b>S</b> button for about 3 seconds to enter setting, and the screen displays current height. If the screen displays <b>noh</b>, it means that the limit height is not set.</li> <li>3. Press <b>▲</b> and <b>▼</b> buttons to select setting <b>SEE</b> or clearing <b>CEC</b>. Press the <b>S</b> button for about 3 seconds to confirm.</li> <li>4. Press the <b>S</b> button again to leave this setting mode.</li> </ol>
	<b>Factory preset memory position</b>	<p>Factory preset memory position:</p> <ol style="list-style-type: none"> <li>1. Memory #1: Press the <b>1</b> button, the table will automatically go to the lowest position <b>278</b>.</li> <li>2. Memory #3: Press the <b>3</b> button, the table will automatically go to the highest position <b>113</b>.</li> </ol>

### Remarks:

- (1) Movement operations are momentary control way. It stops as soon as you release the button.
- (2) The display will turn off after 1 minute of inactivity

### E. Error Code Summary

Error code	Definition	Description	Disposition
<b>E0E</b>	<b>Overheated</b>	Continuously operated for about 5 minutes (The time threshold will decrease as the load increases).	Pause the operation of the hand control for about 5 minutes and then return to normal.
<b>E20</b>	<b>Overloaded</b>	Overload during lifting. The error code will disappear automatically after about 3 seconds of display, and show current height; if operate again without reducing the load, the prompt will be repeated.	Please reduce the load before operating.
<b>E16</b>	<b>Anti-pinch actioned</b>	When the desktop is collided or blocked during lifting, the anti-pinch function is triggered to automatically retreat for a short distance. The error code <b>E16</b> will automatically disappear and the current height will be displayed.	Check carefully to ensure nothing blocked the way before continue operate. Remove it if found.
<b>E11</b>	<b>Motor 1 abnormal</b>	Motor 1 or Motor 2 is abnormal when the lifting table is raised and lowered, and the error code <b>E11</b> / <b>E12</b> will not disappear. The possible cause is Hall signal abnormal.	<ul style="list-style-type: none"> <li>• Check the connection between the motor wire and the controller to make sure the connection is correct, and then it can be recovered by reset operation.</li> </ul>
<b>E12</b>	<b>Motor 2 abnormal</b>		
<b>E60</b>	<b>Sync failed</b>	<ul style="list-style-type: none"> <li>• Synchronization fails when the lifting table is raised and lowered, the error code <b>E60</b> will not disappear.</li> <li>• The height difference between the two lifting column exceeds 7mm.</li> </ul>	<ul style="list-style-type: none"> <li>• During reset, the lift table retracts synchronously, stops at the lowest position, and then rebounds 5mm, that is, the reset is completed.</li> </ul>
<b>E31</b>	<b>Motor 1 not connected</b>	<ul style="list-style-type: none"> <li>• The motor wire is disconnected or loose during operation.</li> </ul>	<ul style="list-style-type: none"> <li>• Insert the motor plug back into the control box, and after the operation is reset, <b>n5E</b> and the current height are displayed, and then the normal operation can be restored.</li> <li>• If the motor is unplugged at rest and not operated, it does not need</li> </ul>
<b>E32</b>	<b>Motor 2 not connected</b>		

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			to be reset after reconnection.
<b>E00</b>	<b>Low voltage</b>	The power supply overheating protection	Turn the power on again or pause the operation of the hand control for about 5 minutes and then return to normal.
		The power supply itself is abnormal	After about 5 minutes, if it does not return to normal, it means that the power supply itself is abnormal.
<b>E40</b>	<b>Position error</b>	The control system judges that the moving position does not match the action of the motor	Recovered by reset operation
<b>888</b>	<b>Communication abnormal</b>	The communication between the hand controller and the control box is abnormal.	Check the connection between hand controller and control box to make sure the connection is correct, and then turn the power on again.