

MEMORY KEYPAD

User's Manual

MotionGrey

1. Function Overview

Function

1. 3 memory positions.
2. Anti-collision stop feature.
3. Reset function.
4. Display lifting height with white LED.
5. Prevent frequent key presses to protect the system.
6. Switchable height display unit.
7. Power-down memory for position.
8. Slow start and slow stop.
9. Adjustable base height setting.
10. Configurable lifting height range.
11. Automatic entry into standby mode after 60 seconds of inactivity.

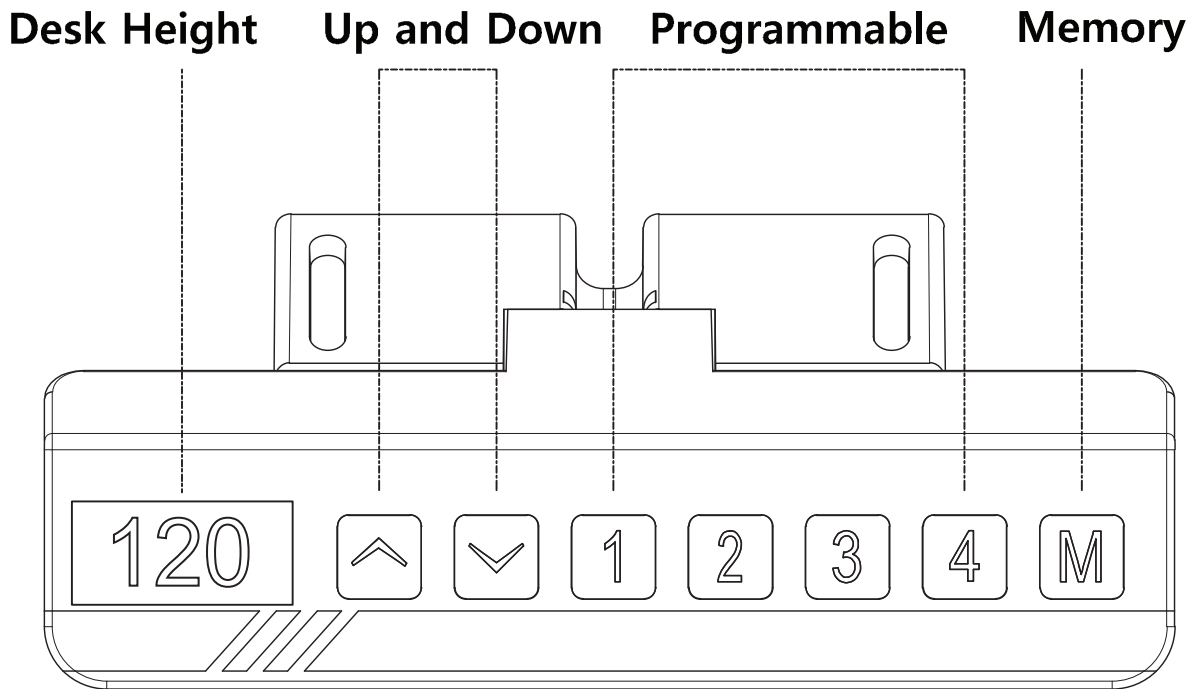
Protection Measure

1. Overheating Protection included
2. Over-current Protection included
3. Tilt protection

Low Consumption

1. 0.1 W in standby mode

2. Definition of Keys and Display Help



Display Help

Display Content	Description	Troubleshooting Help
Digit	The current height of the adjustable desk (unit: inch/cm)	The unit will be set before EX-factory
E01	<p>Motor 1 Fault</p> <p>Cause: The cable of motor 1 is not connected.</p>	<ol style="list-style-type: none"> 1. Ensure that the cable of motor 1 is securely connected to the control box. 2. Check whether the cable of motor 1 is undamaged. 3. After troubleshooting, press any key (except M key) to clear the error code and return to normal operation.

<p>E02</p>	<p>Motor 2 Fault</p> <p>Cause: The cable of motor 2 is not connected.</p>	<ol style="list-style-type: none"> 1. Ensure that the cable of motor 2 is securely connected to the control box. 2. Check whether the cable of motor 2 is undamaged. 3. After troubleshooting, press any key (except M key) to clear the error code and return to normal operation.
<p>E04</p>	<p>Motor 1 Hall Signal Missing</p> <p>Cause: The Hall cord of motor 1 is not connected.</p>	<ol style="list-style-type: none"> 1. Ensure that the Hall cord of motor 1 is securely connected to the control box. 2. Check whether the Hall cord of motor 1 is undamaged. 3. After troubleshooting, press any key (except M key) to clear the error code and return to normal operation.
<p>E05</p>	<p>Motor 2 Hall Signal Missing</p> <p>Cause: The Hall cord of motor 2 is not connected.</p>	<ol style="list-style-type: none"> 1. Ensure that the Hall cord of motor 2 is securely connected to the control box. 2. Check whether the Hall cord of motor 2 is undamaged. 3. After troubleshooting, press any key (except M key) to clear the error code and return to normal operation.

<p>E07</p>	<p>Motor 1 Over-Current</p> <p>Causes: Overload, Mechanical Fault</p>	<ol style="list-style-type: none"> 1. Reduce the load to stay within the maximum capacity, or troubleshoot any mechanical issues. 2. After 8 seconds, press any key (except M key) to clear the error code and resume normal operation.
<p>E08</p>	<p>Motor 2 Over-Current</p> <p>Causes: Overload, Mechanical Fault</p>	<ol style="list-style-type: none"> 1. Reduce the load to stay within the maximum capacity, or troubleshoot any mechanical issues. 2. After 8 seconds, press any key (except M key) to clear the error code and resume normal operation.
<p>E10</p>	<p>Desk Unbalanced</p> <p>Cause: The two motors are running out of sync.</p>	<p>To reset the desk, use only the DOWN key. Hold both the UP and DOWN keys together for 5 seconds until the reset finishes. Afterward, the error code will be cleared.</p>
<p>Hot</p>	<p>Motors Overheating</p> <p>Cause: The system automatically detects when the motor temperature becomes too high, causing it to pause operation.</p>	<p>Any key is invalid. When the motors resume operation, the hand control will display the current height.</p>

3. Operations

- Press the **UP** key to raise the desk. Release the key to stop the desk's movement.
- Press the **DOWN** key to lower the desk. Release the key to stop the desk's movement.
- Reset: If it's the first time using the desk, if the desk becomes unbalanced, or if the LED displays incorrect height data, a reset is needed. Press and hold the **UP** and **DOWN** key simultaneously for 5 seconds. Release the keys when the desk returns to its lowest displayed height. Reset is complete.
- After the motor remains inactive for 60 seconds, the LED screen will automatically turn off, entering standby mode. Press any key (except the M key) to resume normal operation.

How to Save a Position:

- ① Press the **UP** or **DOWN** key to adjust the desk to your desired height.
- ② Press the **M** key; the display will flash for 5 seconds.
- ③ Within these 5 seconds, press one of the memory keys to store the position.
- ④ Repeat the same process to set up the other 2 memory positions. The 1, 2, and 3 keys on the hand control can each store a different height position, and this data is retained even in case of a power outage.
- ⑤ To recall a stored position: Hold down the memory key to reach your saved height, or press the memory key once for the desk to automatically adjust to the stored position. (Both modes can be configured based on customer preferences.) You can also stop the desk by pressing any key during its movement.

Setting the Lower Limit:

While holding down both the **M** key and the **1** key, the digital display will blink and show the real-time height. Use the **UP** or **DOWN** key to adjust to the desired minimum height, then press **S** key to confirm and save the setting.

Setting the Upper Limit:

While holding down both the **M** key and the **2** key, the digital display will blink, showing the real-time height. Use the **UP** or **DOWN** key to adjust to the desired maximum height, then press **M** key to confirm and save the setting.

Setting the Base Height:

- ① Press the **DOWN** key to lower the desk to its minimum height.
- ② Hold the **DOWN** key for 10 seconds to enter the basic height setting interface.
- ③ Use the **UP** or **DOWN** key to adjust the value (press the **3** key to switch between adjustments). After adjusting the parameters, press the **1** key and the **2** key to complete the setting.

Switching the Height Display Unit:

Press and hold both the **M** key and the **3** key simultaneously to switch the display unit between centimeters (cm) and inches (inch).

Setting Anti-Collision Sensitivity:

Press and hold both the **2** key and the **3** key for 5 seconds simultaneously. The digital display will start flashing. Then, press either the **1** key, **2** key, **3** key, or the **S** key to configure the anti-collision sensitivity level: high, medium, low, or default.

4. Precautions for Use



- Do not attempt to install or operate the product if it is damaged or if parts are missing. Doing so may result in equipment damage or personal injury.
 - Ensure that the control box is only connected to the specified voltage mentioned on the label.
 - To prevent electrical hazards, refrain from disassembling this product if you are not a qualified professional.
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- This product is intended solely for use with adjustable desks; do not use it for any other purposes.
 - Prior to use, ensure that the control box, hand control, and power cord are all in good condition. If you encounter any quality issues, please contact the manufacturer or authorized agents for replacements.
 - Note that the control box can only be connected to the voltage specified on the label.
 - Avoid using this product in locations susceptible to corrosion or oxidation.
 - Keep away from direct sunlight and high-temperature environments; this product is designed for indoor use only.
 - Non-professionals should refrain from disassembling this product to prevent electrical hazards.
 - Any required after-sales service should be carried out by the manufacturer or an authorized service representative.