

Dual Motor Lift Table User Manual

Introduction to the Hand Controller Interface



- Display
- Up Key UP
- Down Key Down
- Location Save Key 1
- Location Save Key 2
- Location Save Key 3
- Child Lock Key
- Long-term Sitting Reminder Key
- RST: Reset

Up and Down Key Operation

- When the "up" button is continuously touched, the desktop will run upwards until it reaches the highest point.
- When the "down" button is continuously touched, the desktop will run downwards until it reaches the lowest point.
- When the "up" or "down" button is briefly touched, the desktop will run a small distance to achieve micro motion.

Location Storage/Memory Location Operation

- Location storage: It can store up to 3 memory points. The storage method is as follows: When running to the target height, long-press the "Location Save Key 1", "Location Save Key 2", or "Location Save Key 3" keys until the digital numbers flash, indicating successful storage of the current height to the corresponding label.
- Memory position operation: Short-press the "Position Save Key 1", "Position Save Key 2", or "Position Save Key 3" keys, the digital display will flash to the memory position height for 2 seconds, and the desktop will automatically run to the memory position height. During operation, any key can stop running.

Zero Position Reset

- Long touch "RST" for 3 seconds and wait for the controller's running indicator to flash "---". Then release and enter the reset mode. The desktop automatically runs down to the lowest position, and after reaching the bottom, the desktop rebounds by 3-5mm, and the reset process ends.

Lock and Unlock

- Lock: Long-press the "Child Lock" button. When the digital display shows "L", it means that the system has been locked and cannot be raised or lowered.
- Unlock: In the locked state, press and hold the "Child Lock" button again. When the digital display changes from "L" to normal, it indicates that the system has been unlocked.

Minimum Limit Setting

- The system supports a minimum desktop height limit. The operation method is to run the desktop to the desired position, while holding down the "Child Lock" and "Down" buttons for 5 seconds simultaneously. The display of "- do" indicates successful storage of the lowest position. When running to the lowest point, the display shows "- Lo";
- Cancel storage height,
Method 1: Mechanical zero reset, the system automatically cancels.
Method 2: Run the desktop to its lowest point, and the monitor will display "- Lo". Hold down the "Child Lock" and "Down" buttons for 5 seconds simultaneously, "- do" indicates successful cancellation.

Maximum Limit Setting

- The system supports a maximum desktop height limit. The operation method is to run the desktop to the desired position and hold down the "child lock" and "up" buttons for 5 seconds simultaneously. "- up" indicates successful storage of the highest position. When running to the high point, the display shows "- HI";
- Cancel storage height
Method 1: Mechanical zero reset, the system automatically cancels.
Method 2: Run the desktop to the highest point and the monitor will display "- HI"; Simultaneously press and hold the "child lock" and "up" buttons for 5 seconds, "- up" indicates successful cancellation.

Standing and Sitting Reminder (Countdown Method)

- Countdown time: It provides 3 levels of time. T30=30 minutes, T45=45 minutes, T60=60 minutes
- Start countdown: Short press the "long-term sitting" button, the display screen will show T30/T45/T60 in sequence, and the countdown time will start.
- Exit countdown:
 1. Short press the "long-term sitting" button, and the display screen will show numbers;
 2. When the countdown time is up, the display screen will flash chr for 30 seconds. Press any key to stop the timer and exit.
 3. No operation, will automatically exit the timer after 3 consecutive reminders every 5 minutes.

Restore Factory Settings Parameters

- Method: Press and hold "Up" and "Timer" simultaneously for 5 seconds, and the digital display will show "CLr", indicating successful parameter recovery.

Automatic Testing (Do not proactively disclose to end users)

- The system supports automatic operation, with a fixed running time of 4 round trips and a stop time determined by the e parameter, in an infinite loop. (Please refer to the internal parameter settings and instructions for the stop time)
- Enter: Simultaneously press and hold the "RST" and "Child Lock" buttons for 5 seconds, and the digital display will

show Aot, indicating automatic testing mode.

□Exit: Simultaneously press and hold the "RST" and "Child Lock" buttons for 5 seconds, and the digital display will show the height, indicating the exit from automatic testing mode.

Internal Parameter Settings and Instructions

□Long press the "RST" and "Timer" buttons on the controller for 10 seconds to enter the settings interface, where "x-y" is displayed and "x" flashes, where "x" is the parameter group and "y" corresponds to the parameter value. At this point, press "RST" to switch parameter groups, and press "up" or "down" to correspond to the values of the parameters. After setting the parameters, press and hold the "RST" key for 10 seconds to return to the running interface. The set parameters are as follows:

Display Contents	Number Range	Set Parameters	Explanation
a-y	0-1	Display format	0 represents metric display, 1 represents imperial display;
b-y	1-2	number of pole pairs	1 represents 1 pair of NS, 2 represents 2 pairs of NS;
c-y	0-50	speed value	The larger the number, the faster the speed; conversely, the slower the speed; Not too large, otherwise it won't respond;
d-y	0-9	Upward anti pinch value	0 represents the lowest sensitivity, 9 represents the highest sensitivity;
e-y	1-9	Self testing stop time	Multiplying the set value by 2 is the stop time. For example, if 2 is set, the stop time would be 4 minutes;
H00	40-99	altitude height	Indicates the lowest display height - the display height at which the table is lowered to the lowest level;
n00	30-99	Table Stroke	The height at which the table can be raised and lowered, and the length at which the table column can extend, determine the maximum height of the table, which is displayed as h00+n00;
L00	3-40	Lead screw	This means that when the lead screw rotates one circle, and the height of the table is raised, and the lead parameters must be accurate, otherwise the table travel will be inaccurate;
F-y	0-9	Downward anti pinch value	0 represents the lowest sensitivity, 9 represents the highest sensitivity;
r-y	off/L/N/H	Anti pinch gear	Anti pinch sensitivity: the magnitude of the anti pinch force. Off represents off, L represents lowest sensitivity, N represents intermediate sensitivity, and H represents high sensitivity; This value works together with the up and down anti pinch values to provide anti pinch functionality;

Error Code Table

Error Code	Explanation	Solution
E01	Column A is not connected.	Press the up or down key again, if it still exists, please check the connection wire of column motor A.
E02	Column B is not connected.	Press the up or down key again, if it still exists, please check the column motor B connection wire.
E03	A pillar motor overcurrent.	Press the up or down key again. If it still exists, please replace motor A or reduce the load.

E04	B pillar motor overcurrent.	Press the up or down key again. If it still exists, please replace motor B or reduce the load.
E05	A pillar motor Hall fault.	Press the up or down key again. If it still exists, please check the connection or replace motor A.
E06	B-pillar motor Hall fault.	Press the up or down key again. If it still exists, please check the connection or replace motor B.
E07	Main power supply abnormality	Unable to eliminate after power failure, please replace the power supply.
E08	The current of the A-pillar motor is abnormal.	After power failure, it cannot be eliminated and needs to be returned to the factory.
E09	The current of the B-pillar motor is abnormal.	After power failure, it cannot be eliminated and needs to be returned to the factory.
E10	The power device of the A-pillar motor is damaged.	After power failure, it cannot be eliminated and needs to be returned to the factory.
E11	The power device of the B-pillar motor is damaged.	After power failure, it cannot be eliminated and needs to be returned to the factory.
E12	The learning position is abnormal.	Relearn location
E14	The A-pillar motor is stuck.	Press the up or down key again. If it still exists, please replace motor A or reduce the load.
E15	The B-pillar motor is stuck.	Press the up or down key again. If it still exists, please replace motor B or reduce the load.
E16	Position imbalance	Re initialize the reset operation.
HOT	Over Temperature Protection	Wait for the temperature to drop, run for 2 minutes, stop for 18 minutes.
RST	Illegal power outage	Reduce load