

Standing Desk Controller Manual

FD-1523

Note: The controller can only work properly when there is a load on the motor. If the motor is not installed correctly, the controller cannot be initialized normally after power is turned on, and the motor will not work fully. If you do that, please restore the factory settings, install the motor, and power on again for testing.



Panel Description

- ◆ Display
- ◆ Up: Up key UP
- ◆ Down: down key DOWN
- ◆ 1: Save key 1
- ◆ 2: Save key 2
- ◆ 3: Save key 3
- ◆ RST: Reset

Up and down key operation

- ◆ When the "up" key is pressed, the desktop moves upwards until it reaches the highest point of the desktop.
- ◆ When the "Down" key is pressed, the desktop runs downward until it reaches the lowest point of the desktop.
- ◆ When the "up" or "down" key is pressed shortly, the desktop will run a small distance correspondingly to achieve inching.

Position storage/memory position operation

- ◆ Position storage: 3 memory points can be stored. The storage method is as follows. When running to a specific point, press and hold the "1 / 2 / 3" button until the digital number flashes, and the current altitude is stored to the corresponding label successfully.
- ◆ Memory position operation: Short press the "1 / 2 / 3" button, the digital tube will flash and the height of the memory position is 2S, and the desktop will automatically run to the height of the memory position. During operation, any key can stop the operation.

Zero position reset

- ◆ Long press "RST" for 3 seconds until the controller running indicator flashes "- - -", then release the down button to enter the reset mode, the desktop will automatically move downwards and then upwards to find the highest and lowest positions. After the end, the desktop will automatically run down to a fixed position, and the reset process is over.

Minimum limit setting

◆ The system supports the minimum height limit of the desktop. The operation method is to let the desktop run to the position to be set, and press the "RST" + "Down" buttons at the same time 5

Seconds, displaying "-d o" indicates that the lowest position is stored successfully. When running to the lowest point, the display will display "- L o";

◆ To cancel the storage height,

Method 1: reset the mechanical zero point, the system will automatically cancel it.

Method 2: Let the desktop run to the lowest point, the display will display "- L o", press and hold the "RST" + "down" buttons for 5 seconds at the same time, "- d o" means the cancellation is successful.

Maximum limit setting

◆ The system supports the maximum height limit of the desktop. The operation method is to let the desktop run to the position to be set, and press the "RST" + "Up" button at the same time 5

seconds, – up means the highest position is stored successfully. When running to the high point, the display will display "- H I";

◆ Cancel the storage height Method 1: Reset the mechanical zero point, and the system will automatically cancel it.

Method 2: Let the desktop run to the highest point, and the display will display "- H I"; press and hold the "RST" + "Up" buttons for 5 seconds at the same time, "-up" means the cancellation is successful.

Lock and unlock

◆ Lock: Press "1" + "2" for 5 seconds at the same time, when the digital tube displays "L", it means that the system is locked, and the system cannot be lifted or lowered.

◆ Unlock: Press and hold "1" + "2" for 5 seconds at the same time, when the digital tube displays from "L" to normal digital display, it means the system has been unlocked.

Stand and sit reminder (countdown mode)

◆ Countdown Time: Provide 3 levels of time, T30 = 30 minutes, T45 = 45 minutes, T60 = 60 minutes,

◆ Start countdown: Short press "RST" and the display will display T30/T45/T60 in sequence, and the countdown time starts.

◆ Exit the countdown: 1. Short press "RST", and the display will display numbers;

2. When the countdown time is up, the display will flash chr, and the flashing time is 1 minute. Press any key to stop timing and exit.

3. If there is no operation, it will automatically exit the timer after 3 consecutive reminders at intervals of 5 minutes.

Restore factory default parameters

◆ Method: Press and hold "1" + "3" for 5 seconds at the same time, the digital tube will display "C L r", which means that the parameters are restored successfully

Internal parameter settings and descriptions

◆ Press and hold the "RST+1" key on the hand controller for 10 seconds to enter the setting interface, displaying "x-y" and "x" flashing at the same time, where "x" is the parameter group and "y" corresponds to the parameter value. At this time, press "RST" to switch the parameter group, and press "Up" or "Down" to correspond to the value of the parameter. After setting the parameters, press and hold the "RST" button for 10 seconds to return to the running interface. The set parameters are as follows:

Code	Range	Name	Description
a-y	0-1	Display format	0 means metric display, 1 means imperial display;
b-y	1-2	Number of pole pairs	1 means 1 pair NS, 2 means 2 pairs NS;

c-y	1-9	Lifting speed	9 gears, the smaller the number, the faster the speed, otherwise the slower the speed;
d-y	1-9	Anti-pinch value	0 means off, 1 is the least sensitive, 9 is the most sensitive;
e-y	1-9	self-test stop time	The setting value multiplied by 2 is the stop time, such as setting 2, then the stop time is 4 minute;
H00	40-99	Base height	Indicates the lowest display height - the lowest display height the table falls to.
n00	30-99	Table stroke	The height that the table can be raised and lowered, the length that the table column can extend, this value determines the maximum height of the table is displayed, and the maximum height display is h00+n00;
L00	3-40	Screw lead	Indicates the lead-screw turns one circle, the height of the table rises, and the lead parameters must be accurate. Otherwise, the table itinerary will be inaccurate.

F-y	0-1	Motor direction	0/1 change motor direction
r-y	0-4	off screen control	0, do not turn off the screen, 1, turn off the screen.

Error code

Error code	Description	Processing method
E01	Motor not connected	Press the up or down button again, if it still exists, please check the connection line of the column motor
E02	Motor overcurrent	Press the up or down button again, if it still exists, please replace the motor or reduce the load
E03	Motor Hall failure	Press the up or down button again, but it still exists, please check the connection or replace the motor
E04	Abnormal main power	It cannot be eliminated after power failure, replace the power supply
E05	Abnormal motor current	The need to return to the factory cannot be eliminated after power failure
E06	Motor power device is broken	The need to return to the factory cannot be eliminated after power failure
E08	over temperature protection	Wait for the temperature to drop
E09	motor stall	Press the up or down button again, if it still exists, please replace the motor or reduce the load
RST	Illegal power down	Reduce the load or check if the power cable is loose

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