PROGRESSIVE DESK

FLT-01

User Manual

V 1.04

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Have any queries? Our expert engineers are here to help!

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Caution

Ensure no obstacles are in the desk's path. Ensure the tabletop is not touching any walls. Ensure all cords are appropriate length to accommodate the change in height.

⚠ Warning
Pinch Point
Keep hands and fingers clear.

Keep children away from electric height-adjustable desks, control units, and handsets. There is a risk of injury and electric shock.

Keep all electrical components away from liquids.

Do not sit or stand on the desk frame. Do not crawl or lie under the desk frame.

Do not place any objects taller than 20" underneath the desk.

During the Reset Procedure, the desk will retract **7mm below the lowest normal operating height.** Ensure no obstacles impede this motion.

Specifications

Specification	Description
Input Voltage	120 VAC, 60 Hz
Output Voltage	24VDC
Stroke (movement)	25.5"
Height Range (without tabletop)	23.1" - 48.6"
Weight Capacity (load)	180 lbs
No Load Speed	1.57"/s
Full Load Speed	1.18"/s
Duty Cycle	10% (2 minutes on, 18 minutes off)
Operating Noise	< 50 dB
Frame Material	Steel
Finish	Powder Coat - White, Black, Grey
Leveling	Adjustable Leveling Feet
Low Power Mode	Standby < 0.1W (Activated by Default)

Features	Description
Soft Start and Stop	The table lift will accelerate to maximum speed and decelerate to a stop to ensure smooth travel.
Memory Presets	The Smart Remote has the ability to save preset height locations for convenience. Set the numbered buttons on the Smart Remote for quick and seamless adjustment.
Anti-Collision	The Anti-Collision feature will help protect the table lift against obstacles which impede the motion of travel. There are 3 force settings which can be detected during travel, 22lbs, 33lbs, and 44lbs.

19.60"

5x ⌀0.30"

6.40"

7.78"

1.30"

7.88"

23.1" 22.7"

17.40"

1.50"

2.76"

48.6"
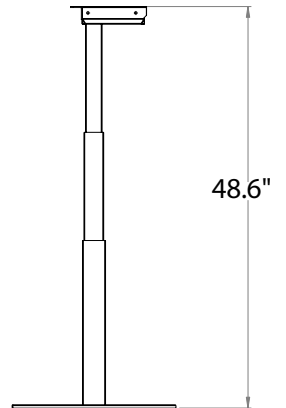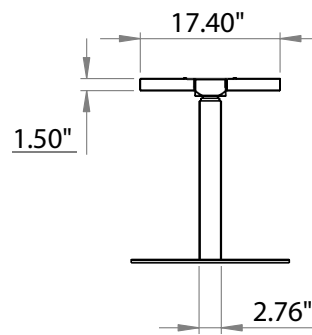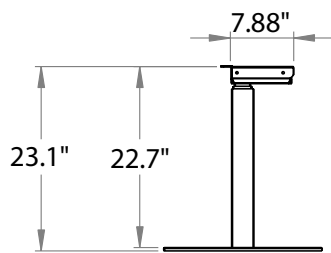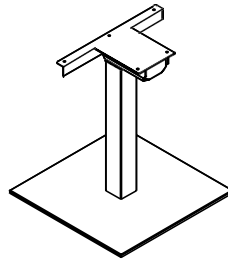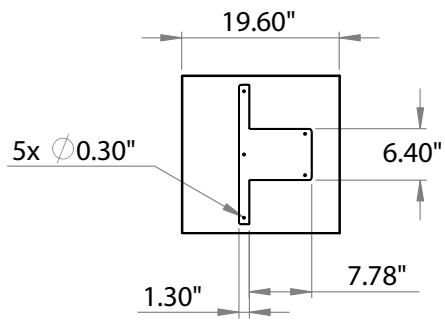
Components

> **Important:** The drawings below are for reference only and may be slightly different from the physical product. Please contact us if you have missing or damaged components.
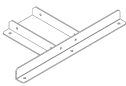
Tools You Will Need

Included Allen Wrench (B4) | Phillips Head Screwdriver and/or Electric Driver | Tape Measure
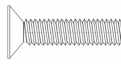
No.	Part	Qty.
A1	Bracket	1
A2	Leg	1
A3	Base Plate	1
A4	Remote	1

No.	Part	Qty.
A5	Control Box	1
A6	Power Cord	1
A6	Extension Cable	1

No.	Part	Qty.
B1	S5x16 Wood Screws	9
B2	M6x10 Machine Screws	4
B3	M6x16 Countersunk Machine Screws	4
B4	Allen Wrench	1

Assembly

STEP 1: Attach the Bracket to the Tabletop

Method A: Progressive Desk tabletop

Line up the Bracket (A1) with the predrilled holes on the underside of the tabletop and insert the M6x18 machine screws and washers included with your tabletop. Use the Allen Wrench included with your tabletop to tighten each machine screw to secure the bracket to the tabletop.

M6x18

M6 Washer

A1
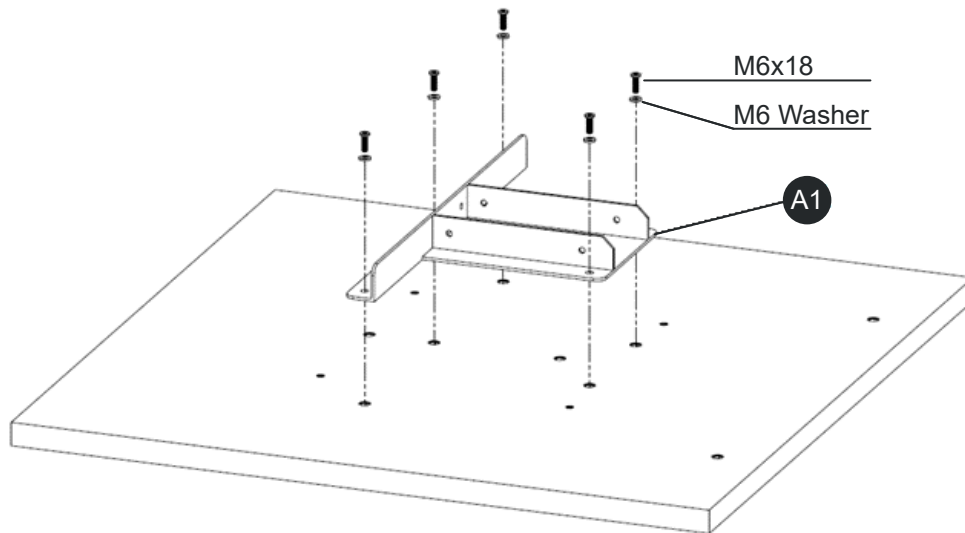
Method B: Third-Party Tabletop

Position the Bracket (A1) so that the wider flange side is 2.87" further from the edge than the narrow side to center the bracket on the tabletop. Mark all five holes' location. Use a power drill with a 5/32" drill bit to drill a hole 0.5" deep at each location. Install 5x S5x20 Wood Screws (B1).

D + 2.87"

D
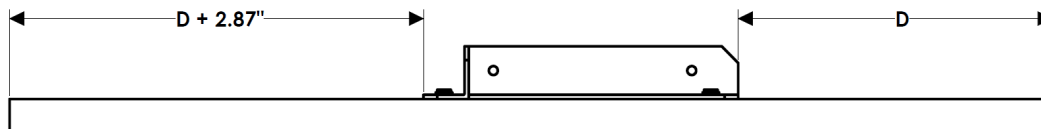
Assembly

STEP 2: Install the Leg to the Bracket

Insert the Leg (A2) into the Bracket and align the holes. Secure with 4x M6x10 Machine Screws (B2) using Allen Wrench (B4).
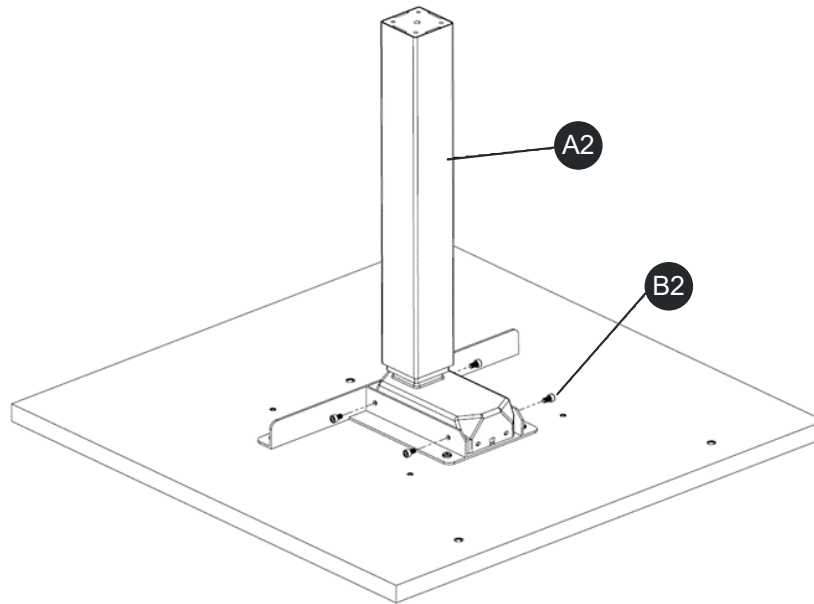
STEP 3: Secure and connect the Remote and Control Box

Place the Remote (A4) and Control Box (A5) at the desired location and mark all four holes' locations.
Use a power drill with a 5/32" drill bit to drill a hole 0.5" deep at each location.
Use 4x S5x16 Wood Screws (B1) to secure the Remote (A4) and Control Box (A5).

Assembly

STEP 4: Connect Cables

Connect the Remote (A4) to the HS port of the Control Box (A5).

Connect the Power Cord (A6) to the Control Box (A5).

Connect the Cable from the Leg (A2) to the M1 Port of the Control Box (A5). Connect the Extension Cable (A7) to the Leg cable if the Leg Cable is not long enough to reach the Control Box (A5).

Secure and organize cables as desired.

STEP 5: Install the Base Plate to the Leg

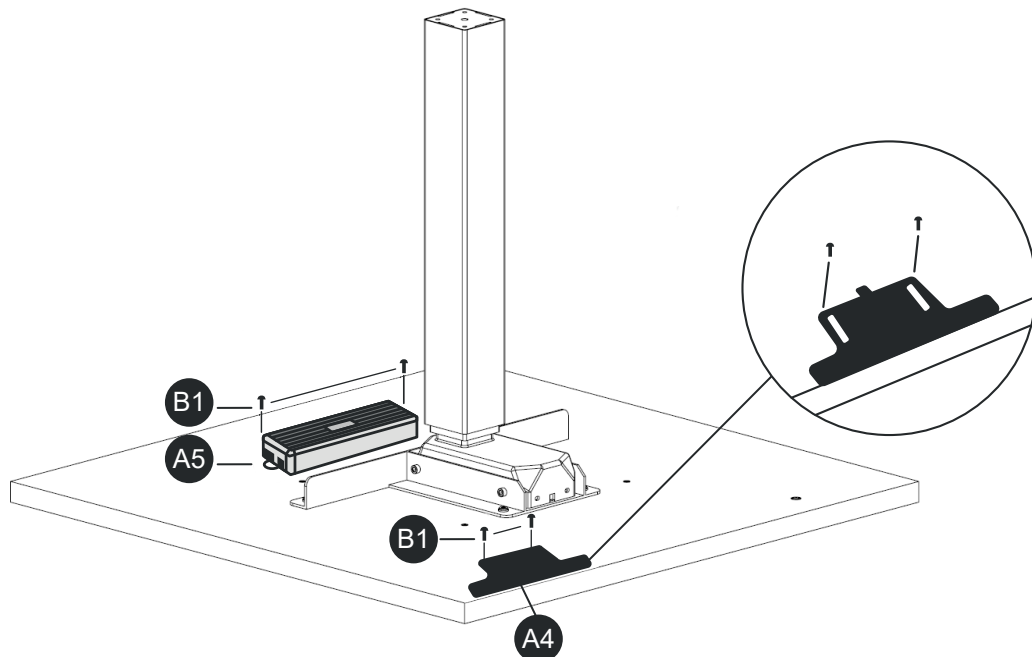Place the Base Plate (A3), with the feet facing upwards, onto the leg and secure using 4x M6x16 Counter Sunk Machine Screws (B3). Tighten screws with Allen Wrench (B4) and ensure the screws are flush with the surface of the base plate.
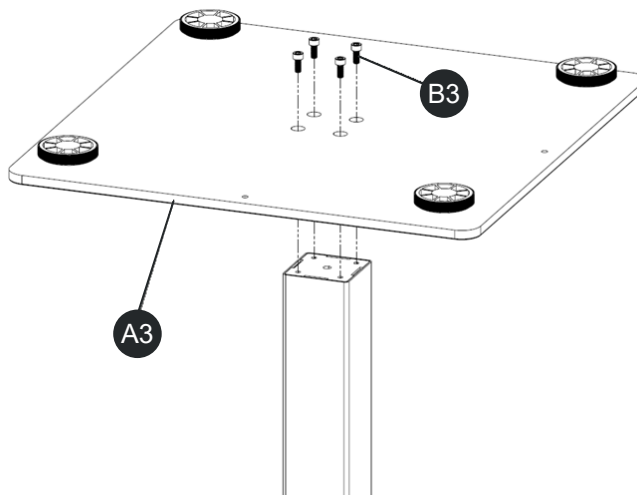
STEP 6: Flip the Table Lift Upright and Initiate the Reset Procedure

After flipping the table life upright, adjust the leveling feet to level the table. Proceed to the reset procedure after leveling. It is critical that the reset procedure is completed before using the table lift.
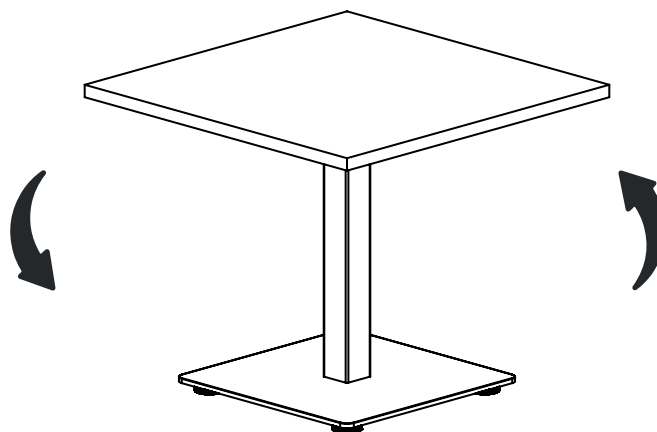
Operations

Normal Operation

Using the wired remote, press and hold the 'Up' button to raise the table lift. To lower the table lift, press and hold the 'Down' button. The 'Up' and 'Down' buttons are momentary controlled, when they are released, the table lift will stop immediately.

To set a preset location, move the table lift to the desired height. Press the 'M' button followed by a numbered button. The LED display will flash an 'S', followed by an 'S - Number'. This will indicate that the preset has been saved.

To use a preset, press any of the numbered buttons and the table lift will begin to move to the preset position. It is important to ensure that no obstacles impede the motion of travel. To stop the table lift, press any button.

If the table lift does not function as intended or the LED display flashes "RSt", please follow the Reset Procedure outlined in the next section.

Setting the LED Display

Using the wired smart remote, retract the table lift to the lowest position. Press and hold the 'Down' button again until the LED display flashes "RST".

Press and hold the 'M' button until the LED display flashes the starting height (if the display returns to "RST" before the next step, repeat this step).

To change the value of the starting height, use the 'Up', 'Down' to increase and decrease by 0.1. Use the '1', '2' to increase and decrease by 1s. Use the '3', and '4' buttons to increase or decrease by 10s.

Once the correct value is displayed, wait 5 seconds until the LED display flashes "RST". Follow the Reset Procedure outlined in the above section to save the new starting height.

Note: the LED display has a tolerance of ±0.1.
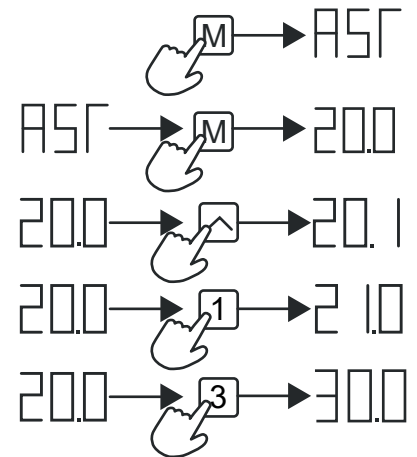
Reset Procedure

WARNING: During the Reset Procedure, the table lift will retract 7mm below the lowest normal operating height. Please ensure that no obstacles impede this motion of travel.

1. Move the desk frame to the lowest position. (If there is "RST" displayed on the remote, continue to step 3).
2. To initiate the Reset Procedure, press and hold the down button on the remote until "RST" is displayed. Release the down button.
3. Press and hold the down button on the remote, the desk frame will begin to retract 7mm lower than the lowest normal operating height. Continue to hold the down button until the frame rises slightly and comes to a stop at the normal lowest position. To stop motion at any time, release the down button.
4. Once the desk frame has completed the Reset Procedure, the desk height will be displayed on the remote.
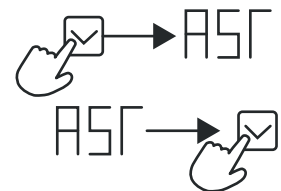
Troubleshooting

Troubleshooting Guide		
Problem	**Possible Cause**	**Corrective Action**
Remote LED is off.	Low power mode activated	Press any button on the remote and LED will activate.
	Connection issue	Disconnect and reconnect the RJ-45 remote connector. Ensure connection is secure and cable is not damaged.
Table lift does not move when motion control buttons are pressed.	Limit switch reached	Follow "Setting Limit Switches" instructions to remove the programmed limit. If maximum or minimum height limit has been reached, please move the system in the opposite direction.
	Connection issue	Disconnect and reconnect the Lifting Columns, Control Box, AC Power, and Remote.
Table lift travels at a significantly slower speed than rate specification.	Weight issue	Ensure weight capacity has not exceeded the maximum load rating.
Unusual noise during travel.	Weight issue	Ensure weight capacity has not exceeded the maximum load rating.
Table lift stops abruptly during travel.	Obstacle	Ensure there are no obstacles in the path of the table lift. If the movement continues to fail, initiate the Reset Procedure.
Table lift is not level.	Out of sync	Disconnect and reconnect all cables (Lifting Column, Control Box, AC Power, and Remote), then initiate the Reset Procedure.

Error Codes (remotes with LED display)		
Error Code	**Error Summary**	**Description**
E01	M1 overcurrent protection	All columns stop moving and remote displays E01-E04. Ensure that the total weight capacity of the table lift has not been exceeded and that no obstacles obstruct the movement. Press any key and remote will display RST, initiate the Reset Procedure. If the issue persists, disconnect and reconnect all of the lifting columns, including the main power. Repeat the Reset Procedure.
E02	M2 overcurrent protection	
E03	M3 overcurrent protection	
E04	M4 overcurrent protection	
E07	M1 hall error	All columns stop moving and remote displays E07-E10. Ensure that all columns are still properly connected to the control box. Check to see if any cables have been damaged. Press any key and remote will display RST, initiate the Reset Procedure. If the issue persists, disconnect and reconnect all of the lifting columns, including the main power. Repeat the Reset Procedure.
E08	M2 hall error	
E09	M3 hall error	
E10	M4 hall error	
H01	Over heat / Duty Cycle protection	All columns stop moving, remote displays H01 (if LED screen available). Allow the system to rest for 18 minutes, then it may be used normally. Follow the Duty Cycle rating to ensure no issues arise from overheating.

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