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# FLT-02

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## User Manual

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



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# SAFETY PRECAUTIONS

When installing and using your Progressive Automations table lift, basic safety precautions should always be followed. Please read all safety precautions thoroughly and be familiar with all functions of the product before use. Apply all other relevant precautions when operating electrical and moving mechanical devices.

## DANGER

- 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. Avoid using the table lift in environments with explosive gases or flammable materials.
- 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.

## WARNING



Pinch Point Keep hands and fingers clear.

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

## OPERATING NOTES

### Warranty

Any attempts to disassemble or tamper with the table lift's internal components or operation outside of the advertised usage limitations will result in voiding the product's warranty. For more information on our warranty terms, visit:

<https://www.progressiveautomations.com/pages/warranty-terms>

### Force Restrictions

Table lifts must be used within the specified force rating outlined in this documentation. Load must be evenly distributed. Exceeding the recommended force rating may result in failure of the table lift. It may also damage the product and void the warranty. Please note that the weight of the load does not always equal the total force due to mechanical advantage, wherein the force may increase or decrease depending on the application.

### Operation Time

Table lifts must be operated within the specified operation time and frequency. Exceeding the duty cycle rating can significantly reduce the table lift's expected lifespan and will void the warranty.

# SPECIFICATIONS

## SPECIFICATIONS

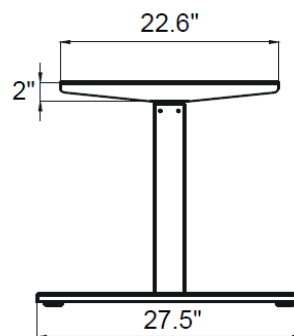
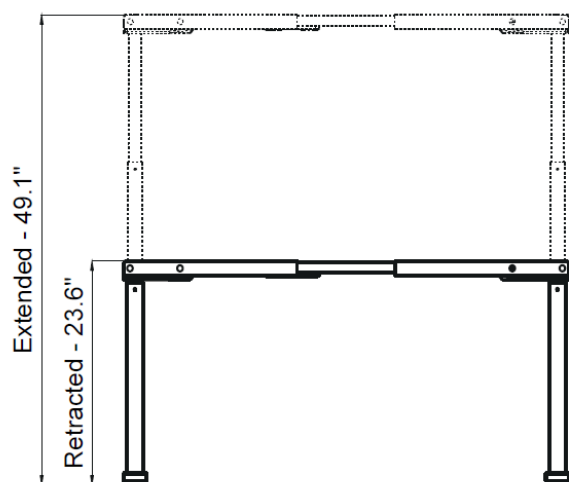
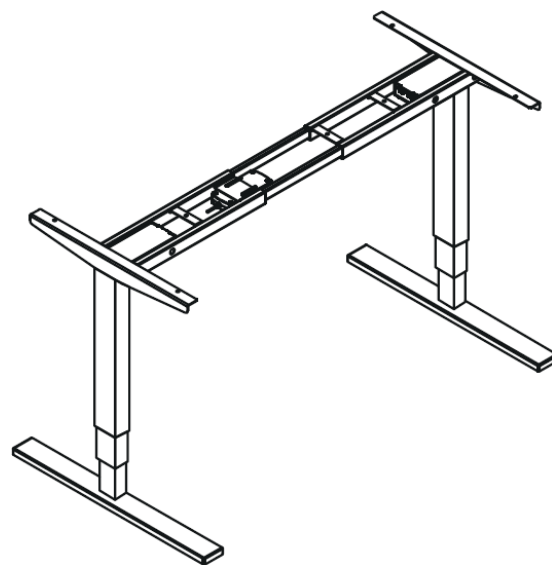
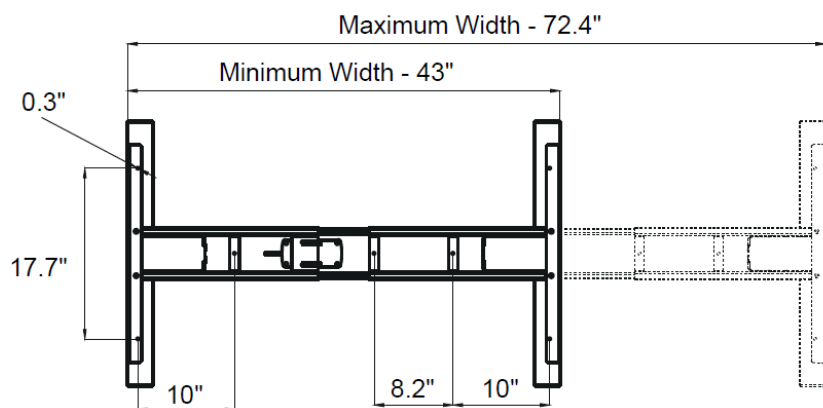
Specification	Description
Input Voltage	120 VAC, 60 Hz
Output Voltage	24VDC
Stroke (movement)	25.5"
Height Range (without tabletop)	23.6" - 49.1"
Base Width	43" minimum - 72.4" maximum
Minimum Tabletop Size	45" x 25"
Weight Capacity (load)	270 lbs (135 lbs per leg)
No Load Speed	1.57"/s
Full Load Speed	1.18"/s
Duty Cycle	10% (2 minutes on, 18 minutes off)
Operating Noise	<45 dB
Frame Material	Steel
Finish	Powder Coat - White, Black, Grey
Leveling	Adjustable Leveling Feet
Low Power Mode	Standby < 0.1W (Activated by Default)
Certification	UL (Customizable) and BIFMA

Features	Description
Soft Start and Stop	The table lift will accelerate to maximum speed and decelerate to a stop to ensure smooth travel.
Collision Detection	The collision-detection feature will help protect the desk frame against obstacles which impede the motion of travel. There are three force settings which can be detected during travel: 22lbs, 33lbs, and 44lbs. This feature can be disabled by the user.
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.

# DIMENSIONAL DRAWING

**Note:** All dimensions are listed in inches.

## DIAGRAM



# 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





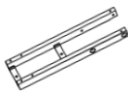
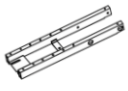


Included Allen Wrench (B4)














Phillips Head Screwdriver and/or Electric Driver

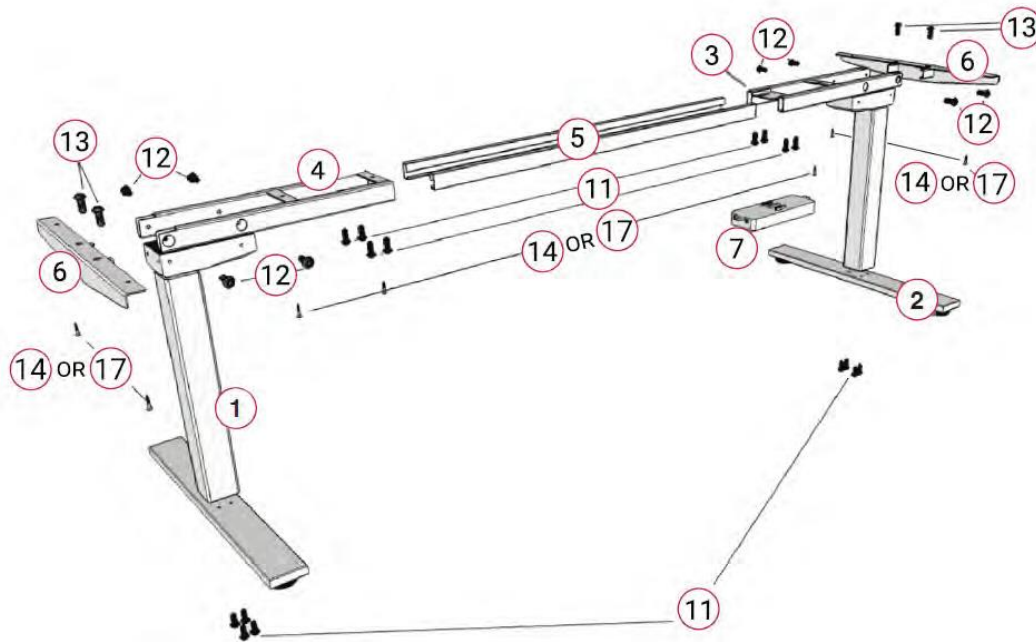


Tape Measure

No.	Part	Qty
A1	 Leg	2
A2	 Foot (Pre-Installed Glides)	2
A3	 Frame End	1
A4	 Frame End CB	1
A5	 Center Rails	2
A6	 Side Brackets	2

No.	Part	Qty
A7	 Control Box	1
A8	 Power Cord	1
A9	 Extension Cable	1
B1	 M6x10 Machine Screw	16
B2	 M6x14 Machine Screw	8
B3	 M6x35 Machine Screw	4

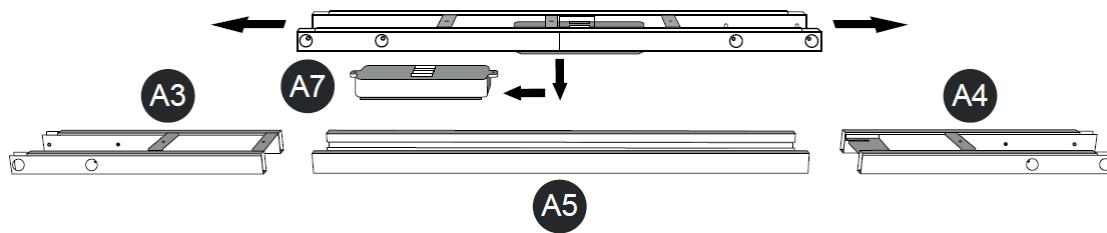
No.	Part	Qty
B4	 S5x20 Wood Screw	7
B5	 Cable Clips	10
B6	 Allen Wrench	1
B7	<b>Progressive Desk Tabletop Included Hardware</b>  M6x13 Machine Screw	7
If you purchased a Progressive Desk tabletop, use the machine screws included in the tabletop packaging (B7) instead of the wood screws (B4). Progressive Desk tabletops will have pre-drilled threaded holes for installation.		
B8	<b>Progressive Desk Remote Included Hardware</b>  Self Drilling Wood Screw	2



## ASSEMBLY

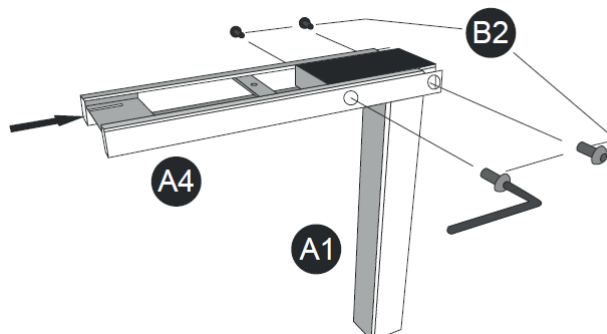
### STEP 1: EXPAND THE FRAME AND SEPARATE ALL COMPONENTS

Separate control box (A7), center rails (A5), and frame ends (A3, A4).



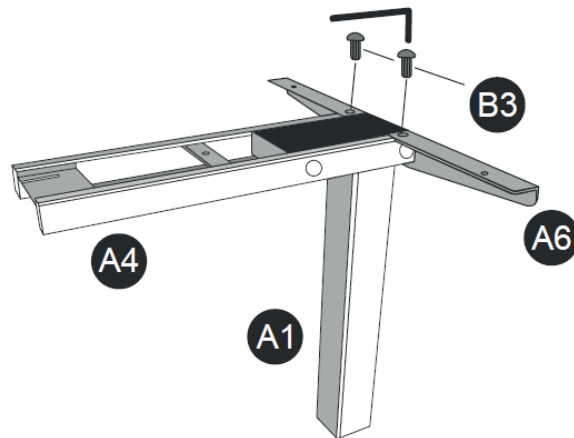
### STEP 2: ATTACH THE LEGS TO THE FRAME ENDS

Ensure the frame end (A4) is positioned as shown. Use the Allen wrench (B6) to partially install each machine screw (B2) until all screws are inserted before fully tightening. Repeat for the second leg.



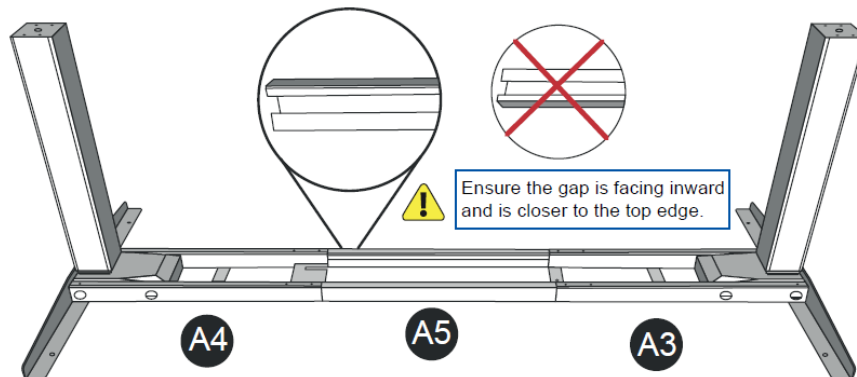
### STEP 3: INSTALL SIDE BRACKETS TO THE FRAME ENDS

Use the Allen wrench (B6) to install 2 machine screws (B3) into the side bracket (A6). Repeat for the second leg.



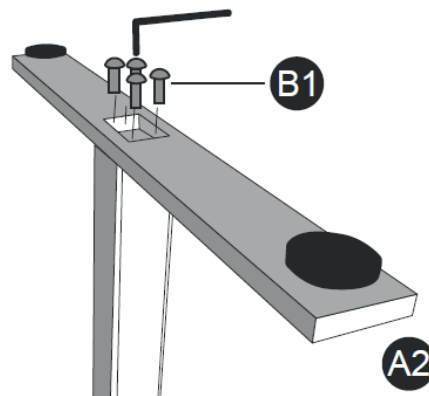
### STEP 4: CONNECT BOTH FRAME ENDS USING THE CENTER RAILS

Ensure the gap is facing inward and is closer to the top edge. Insert center rails (A5) to join frame ends (A3, A4) together. Do not insert or tighten machine screws until Step 8.



### STEP 5: INSTALL EACH FOOT WITH PRE-INSTALLED GLIDES

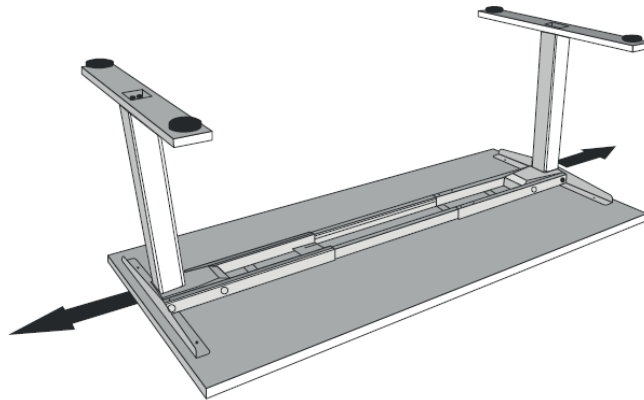
Use an Allen wrench (B6) to install the foot (A2) using 4 machine screws (B1). Repeat for the second leg.





## STEP 6: PLACE THE DESK FRAME ONTO THE TABLETOP

Extend the desk frame to align with the pre-drilled holes in the tabletop. If you are using your own tabletop, allow the tabletop to extend 1.5" beyond the side brackets.



## STEP 7: SECURE THE DESK FRAME & REMOTE TO THE TABLETOP

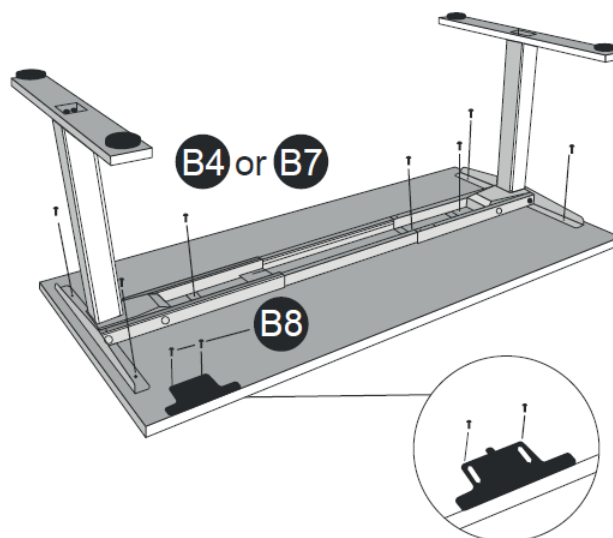
### Progressive Desk Tabletop

If you have a Progressive Desk tabletop, use the machine screws (B7) included in the tabletop packaging. Line up the desk frame with the predrilled holes on the underside of the tabletop and insert all machine screw before using the Allen wrench (B6) to tighten each machine screw (B7).

### Third-Party Tabletop

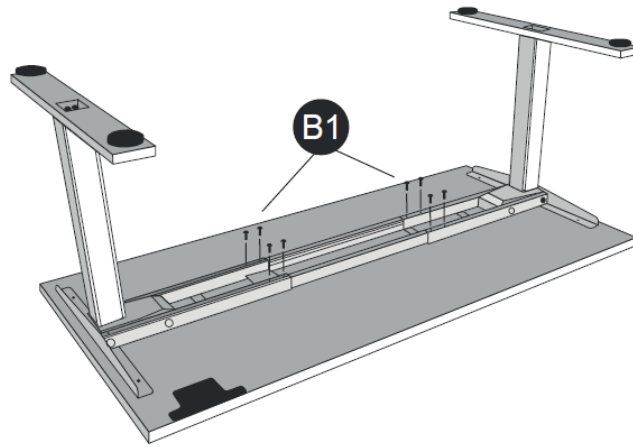
If you have your own tabletop, position the desk frame so that the tabletop extends 1.5" beyond the side brackets (A6). Use a power drill to install 7 wood screws (B4) into the hole positions.

Line up the remote with the tabletop edge and install it to the tabletop using a power drill and 2 wood screws (B8).



## STEP 8: SECURE THE CENTER RAILS

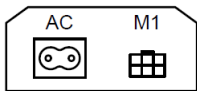
Use the Allen wrench (B6) to secure both center rails (A5) using 8 machine screws (B1). The machine screws should be tightened against the center rails.



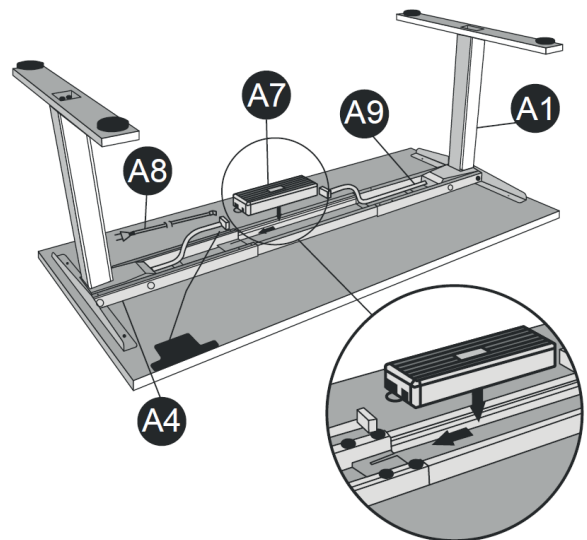
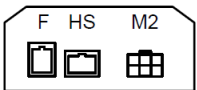
## STEP 9: INSTALL THE CONTROL BOX & CONNECT ALL PERIPHERALS

Slide the control box (A7) into frame end CB (A4). Attach both legs (A1) to the control box (A7). Use the included extension cable (A9) if necessary. Attach remote to control box (A7). Attach power cord (A8) to control box (A7). Use the included self-adhesive cable ties (B5) to secure loose wires to the underside of your tabletop. We recommend having two people for this step. Flip the fully assembled desk by the legs (not by the tabletop). Adjust the preinstalled glides on the feet (A2) as needed.

- Plug in power cord (A8) to AC.
- Plug in nearest leg (A1) to M1.  
Use extension cord (A9) if needed.



- Plug in remote to HS.
- Plug in nearest leg (A1) to M2.  
Use extension cord (A9) if needed.










**It is required to complete the reset procedure in the next section prior to operating your standing desk.**

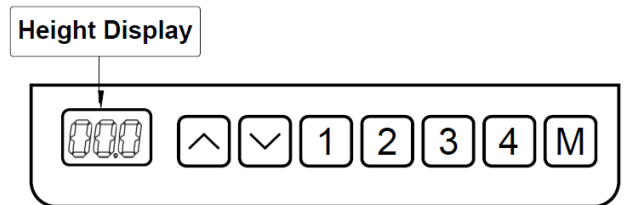
# OPERATIONS

## REMOTE BUTTONS

### MEMORY PRESET PROGRAMMING

1. Use the UP or DOWN button to bring the desk to the desired height.
2. Press M button once, followed by the desired Memory Preset button.

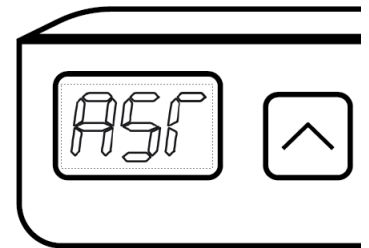
	UP - Hold to move table lift up
	DOWN - Hold to move table lift down
	Memory Preset 1
	Memory Preset 5
	Memory Preset 3
	Memory Preset 4
	Memory Preset programming button



## 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. If remote height display shows "ASr", skip to step 4.
2. Move the table lift to the lowest position using DOWN button.
3. Once at the lowest position, press and hold the DOWN button on the remote until height display shows "ASr". Release the DOWN button.
4. Press and hold the DOWN button, the table lift will move down 0.28 inches below the lowest normal operating position. Continue to hold the DOWN button until the table lift moves back up to the lowest normal operating position. Release the DOWN button.
5. The table lift height will be displayed on the remote height display and is now ready for use.



## HEIGHT CALIBRATION

Calibrate the Remote height display to match actual height of desk which may differ depending on feet height or table top thickness.

1. Move the table lift to the lowest position using the DOWN button. Measure the height from the floor to surface of tabletop. If measured height does not match the height on the remote height display, continue with the following steps.
2. Press and hold the DOWN button until height display shows "ASr". Release the DOWN button.
3. Press and hold the M button until the height display flashes.

4. Use the UP and DOWN buttons to match the height display with your measured height.
5. Once the correct value is displayed, do not touch the remote until the height display flashes "ASr". Hold the DOWN button until the table lift slightly lowers, then slightly rises back up. Release when the table lift height is displayed on the remote.

## REMOTE CONTROL LOCK

### To Lock

Press and hold the M button. The remote height display will show "S-", then it will show the table lift height, and finally it will display "LOC". The remote control buttons are now locked.

### To Unlock

Press and hold the M button until the height display shows the table lift height.

## HEIGHT DISPLAY UNITS (INCH OR CENTIMETER)

1. Move the table lift to the lowest position using the DOWN button.
2. Press and hold the DOWN button until the display shows "ASr". Release the DOWN button.
3. Hold the 2 button to select through the options. Release once the display shows the code corresponding to the desired setting.  
"10.3" – centimeters  
"10.4" – inches  
Once the selection is made, "ASr" will show up on the display.
4. Hold the DOWN button until the table lift slightly lowers, then slightly rises back up. Release when the table lift height is displayed on the remote.

## COLLISION DETECTION SENSITIVITY

1. Move the table lift to the lowest position using the DOWN button.
2. Press and hold the DOWN button until the display shows "ASr". Release the DOWN button.
3. Hold the UP button to select through the options. Release once the display shows the code corresponding to the desired setting.  
"10.5" - 22lbs  
"10.6" - 33lbs  
"10.7" - 55lbs  
Once the selection is made, "ASr" will show up on the display.
4. Hold the DOWN button until the table lift slightly lowers, then slightly rises back up. Release when the table lift height is displayed on the remote.

## MEMORY PRESET ONE-TOUCH AND CONSTANT-TOUCH MODE

**One-Touch mode** is the default setting. The memory preset button may be pressed once without holding and the table lift will move to the desired height. Any button may be pressed to stop movement.

**Constant-Touch mode** requires you to hold the memory preset button until the desired height is reached. Releasing the memory preset button earlier will make the table lift stop immediately.

1. Move the table lift to the lowest position using the DOWN button.
2. Press and hold the DOWN button until the display shows "ASr". Release the DOWN button.

3. Hold the 1 button to select through the options. Release once the display shows the code corresponding to the desired setting.  
"10.1" - One-Touch  
"10.2" - Constant-Touch  
Once the selection is made, "ASr" will show up on the display.
5. Hold the DOWN button until the table lift slightly lowers, then slightly rises back up. Release when the table lift height is displayed on the remote.

## MINIMUM AND MAXIMUM HEIGHT LIMIT

### Resetting to Default Minimum and Maximum Height Limit

1. Press the M button once and wait for the display to show "S-".
2. Hold the M button until the display shows "555" and then release.

### Setting Maximum Height Limit

1. Use the UP or DOWN button to bring the desk to the desired maximum height limit.
2. Press the M button once. "S-" will appear on the display screen. Press the UP button once, the "S-" will flash once.
3. Hold the M button until the display shows "999". Release the M button.

### Setting Minimum Height Limit

1. Use the UP or DOWN button to bring the desk to the desired minimum height limit.
2. Press the M button once. "S-" will appear on the display screen. Press the DOWN button once, the "S-" will flash once.
3. Hold the M button until the display shows "000". Release the M button.

# TROUBLESHOOTING

Common Problems		
Problem	Description	Solution
Desk Frame is not level	Connection issue	Disconnect and reconnect all cables (Lifting Column, Control Box, AC Power, and Remote), then initiate the Reset Procedure.
	Weight issue	Ensure weight on table lift is evenly distributed and does not exceed table lift limits, then initiate the Reset Procedure.
Remote height is not displayed	Low Power Mode active	Press any button on the Remote to reactivate the display.
	Connection issue	Ensure Remote and Power Cord connection to Control Box is secure. Check that remote plug and control box port is free of damage.
Desk Frame unresponsive	Max/Min Height Limits reached	Please refer to Setting Minimum and Maximum Height Limit.
	Connection issue	Disconnect and reconnect all cables connected to Control Box. Ensure all cables are secured to the Control Box and free of damage.
Significantly slow movement	Overweight	Ensure the weight on the Desk Frame is evenly distributed Check that the total weight on the Desk Frame does not exceed limits.
Unusual noise during travel	Overweight	Ensure the weight on the Desk Frame is evenly distributed Check that the total weight on the Desk Frame does not exceed limits.
Desk Frame stops abruptly	Obstruction	Ensure there are no obstructions affecting the Desk Frame's travel path.

Error Codes (Remotes with Height Display)		
Error Code	Description	Solution
E01 - E04	Power issue	Ensure AC outlet is not faulty. Ensure all parts in the table lift are authentic and compatible. Initiate Reset Procedure to clear the error.
E07	M1 - Connection issue	Ensure all Leg wires are securely connected to the Control Box and cables are free of damage. Ensure there are no obstructions affecting the Desk Frame's travel path. Ensure weight on desk frame is evenly distributed and does not exceed desk frame limits. Initiate Reset Procedure to clear the error after the above is checked.
E08	M2 - Connection issue	
E09	M3 - Connection issue	
E10	M4 - Connection issue	
H01	Over heat / Duty	Allow the system to rest for 18 minutes before using again. Follow the Duty Cycle rating listed in the Specifications section to prevent overheating.