

Scan for more information

TY-05-30
TY-05-40
TY-05-50

User Manual

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Caution



Make sure no obstacles are in the lift's path.
Make sure the lift is not touching any walls.
Make sure all cords are appropriate length to accommodate the change in height.



Warning
Pinch Point
Keep hands and fingers clear.



Keep children away from electric TV lift, control units and remotes.
There is a risk of injury and electric shock.



Keep all electrical components away from liquids.



Do not sit or stand on the TV lift. Do not crawl or lie under the TV lift.



Do not open any of the components - the linear actuator, control box or remote.
There is a danger of electric shock.



This product is designed with a duty cycle of 10% (2 min. on, 18 min. off).

Liability

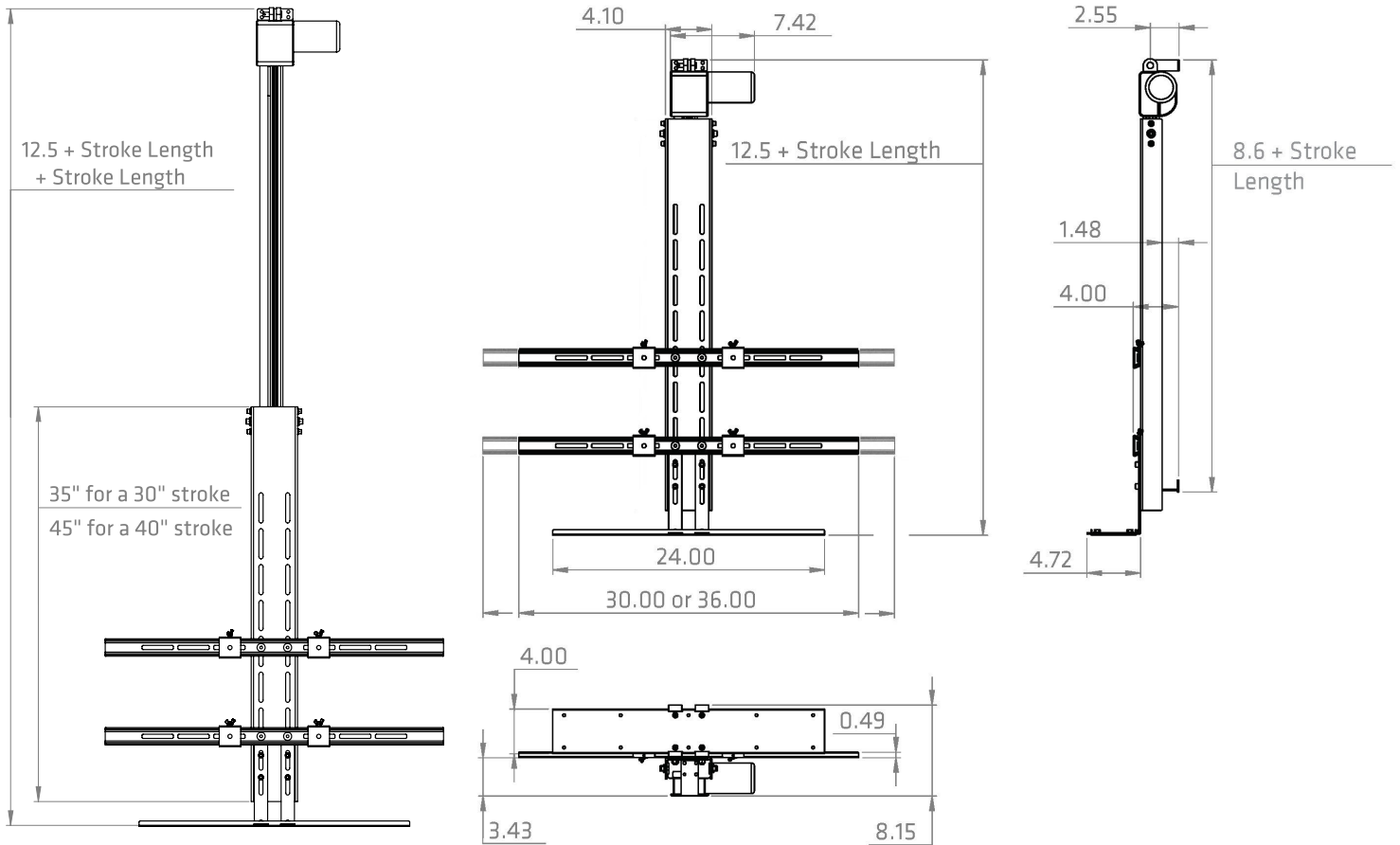
The height adjustable TV lift contains electric motors and is designed for dry areas only.

The TV lift is adjustable so that it can be positioned at the most ergonomically suitable height.

Any other use is at user's risk.

Under no circumstances does the manufacturer accept warranty claims or liability claims for damages caused from improper use or handling of the TV lift.

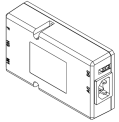


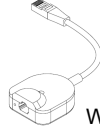

Dimensions in Inches







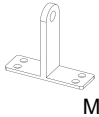



Specifications

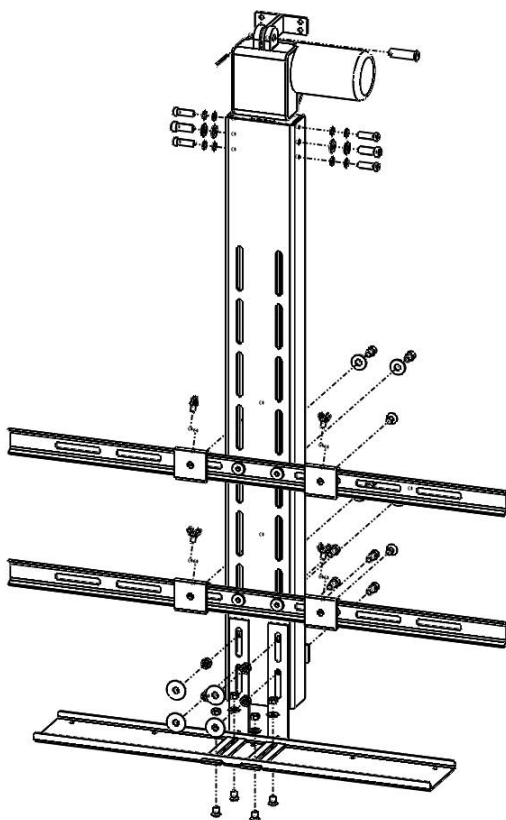
Model	TY-05-30	TY-05-40	TY-05-50
TV Maximum Height	30" Stroke = 30" Tall	40" Stroke = 40" Tall	50" Stroke = 50" Tall
Wall Mount Measurements	700mm x 500mm	700mm x 700mm	700mm x 1200mm
Stroke Length	30"	40"	50"
Weight	25.5 lbs	38.5 lbs	40.3 lbs
Speed at Full Load	0.9"/sec		
Static Load	110 lbs		
Dynamic Load	140 lbs		
Input Voltage	110 - 220 VAC		
Output Voltage	24 VDC		
Overload Protection	Fused		
Duty Cycle	10% (2 minutes on, 18 minutes off)		
Limit Switch	Built-in, non-adjustable		
IP Grade	IP20		
Operational Temperature	-26°C to +65°C (-15°F to 150°F)		
Certification	CE and RoHS		
Control Options	Wired and wireless		

Parts List

No.	Electronics Part	Qty.
1	 Control Box	1
2	 Power Cord	1
3	 Wireless Remote	1
4	 Wireless Receiver	1
5	 Wired Remote	1

No.	Hardware Part	Qty.
1	 Track Linear Actuator	1
2	 Support Column	1
3	 Ceiling Cover Brackets	2
4	 TV Mounting Brackets	4

No.	Hardware Part	Qty.
5	 Actuator Mounting Bracket	1
6	 Ceiling Cover	1
7	 TV Support Arms 30"	2
8	 TV Support Arms 36"	2



Purpose	Hardware Name	Quantity
P1 Ceiling Cover Brackets	Hex Bolt M8x18	4
	Nut M8	4
	Flat Washer M8	4
P2 Ceiling Cover Brackets	Phillips Countersunk Screw M5x12	4
	Nut M5	4
	Flat Washer M5	4
P3 TV Support Arm	Hex Bolt M8x12	4
	Nut M8 (spare parts)	4
	Flat Washer M8	4
P4 TV Mounting Bracket	Wing Screw M5	4
	Phillips Countersunk Screw M8x12	4
P5 Support Column (middle)	Hex Bolt M10x25	2
	Locking Washer M10	2
	Flat Washer M10	2
P5 Support Column (outside)	Hex Bolt M6x25	4
	Locking Washer M6	4
	Flat Washer M6	4
P6 Actuator Mounting Bracket	Clevis Pin	1
	Cotter Pin	1

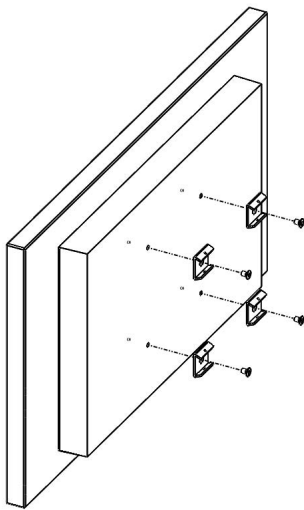
Assembly Instructions



Tools needed: Philips Screwdriver, 5mm Allen key, 6mm Allen key, 8mm Allen key, 8mm Socket, 13mm Socket

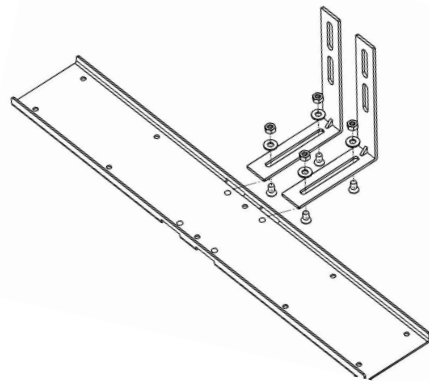
STEP 1

Use the four M8x12 Phillips Countersunk Screws from bag P4 to mount the TV Mounting Brackets to the back of your television. Please be aware that the supplied screws may not fit your television. Ensure that you have the appropriate TV mounting screws before continuing. Tighten until secure.



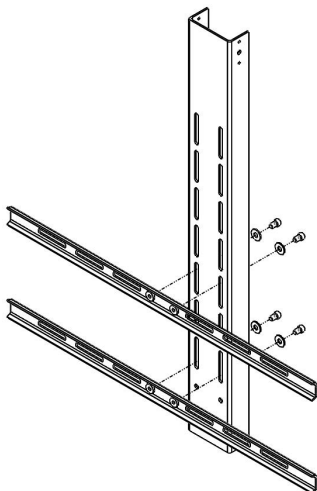
STEP 3

Use the four M5x12 screws, nuts and washers from bag P2 to attach the Ceiling Cover to the Ceiling Cover Brackets. Tighten until secure.



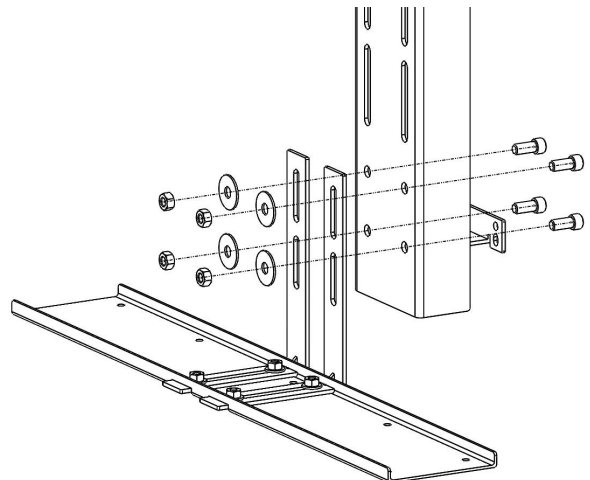
STEP 2

Use the four M8x12 bolts, nuts and washers from bag P3 to attach TV Support Arms to the Support Column. Either the 30" or 36" TV Support Arm can be used depending on which width suits the installed TV. Tighten until secure.



STEP 4

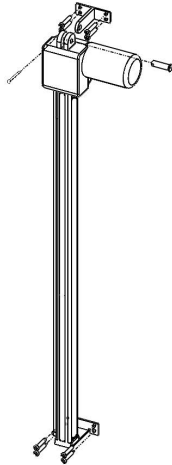
Use the four M8x18 bolts, nuts and washers from bag P1 to mount the assembled Ceiling Cover to the Support Column. Tighten until secure.



Assembly Instructions

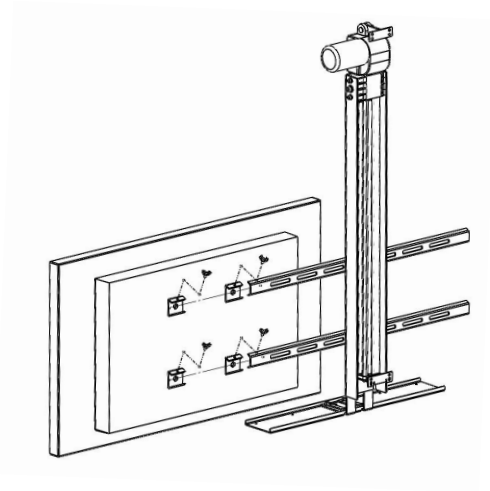
STEP 5

Use the Actuator Mount Bracket, Clevis Pin and Cotter Pin from bag P6 to mount the top portion of the Track Linear Actuator to your installation. The bottom portion comes with an attached bracket for installation. The wood screws shown in the diagram are not included. Tighten until secure.



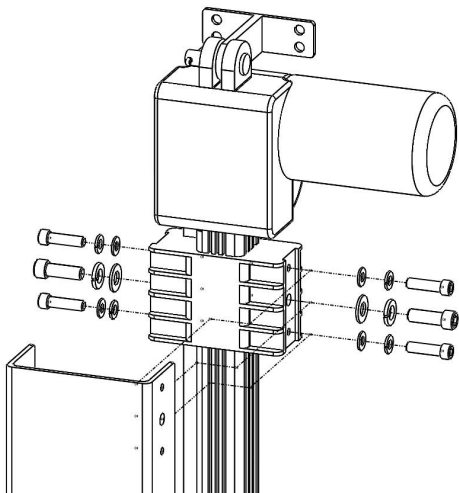
STEP 7

Now that your Drop Down TV Lift is assembled you can attach your TV Mounting Brackets to the TV Support Arms using the four M5 Thumb Screws. Tighten until secure.



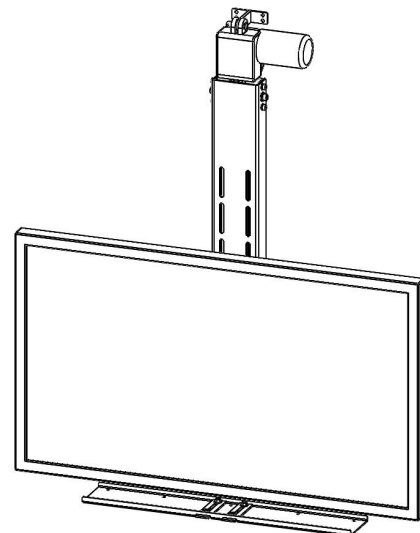
STEP 6

For this step we recommend having at least two people. From bag P5, use the four M6x25 bolts and washers for the smaller holes on the outside and the two M10x25 bolts and washers for the middle holes to mount the assembled Support Column to the Track Linear Actuator. Install all of the bolts before tightening to ensure proper alignment.



STEP 8

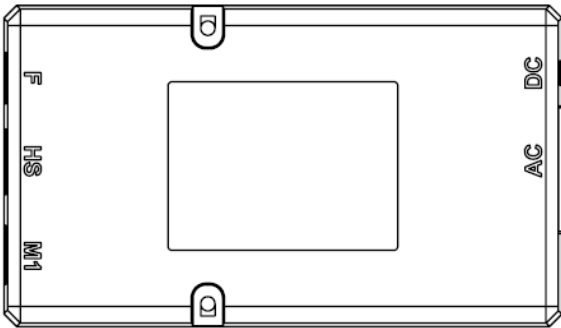
Your Drop Down TV Lift is now fully assembled and ready for use.



Assembly Instructions

STEP 9: Connect Electronics and Power

1. Plug the TV lift motor cable into the M1 port on the control box.
2. Plug the wireless receiver into the HS port on the control box.
3. Connect the wired remote to the wireless receiver.
4. Plug the power cord into a compatible wall outlet, then connect the other end to the AC port on the control box.



Reset Procedure

Follow the instructions below to reset the TV lift.
Required for initial setup.

1. Press and hold the RESET button for about 6 seconds until the red LED starts blinking, then release the button.
2. Press and hold the RESET button again to lower the TV lift to its lowest height.
3. Wait until the TV lift completes its lowering and resets successfully. This will be indicated by the red LED no longer blinking.
4. Release the Reset Button once the TV lift has finished resetting.



Warning: Clear Path Required for Reset
During the reset process, the TV lift will fully extend. Ensure there are no obstacles, objects, or obstructions below the TV lift before beginning the reset.

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