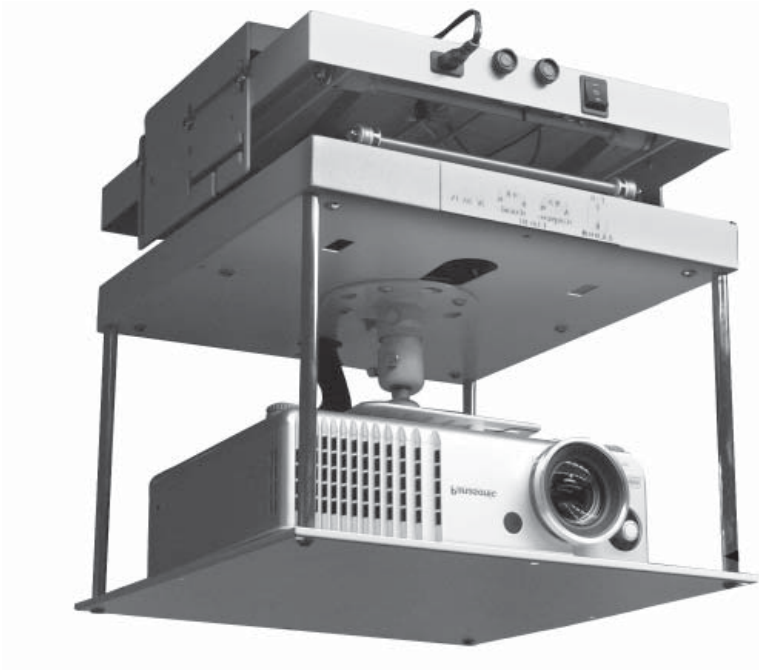


Projector Lift






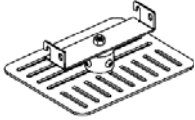
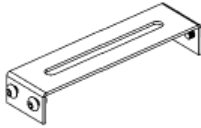










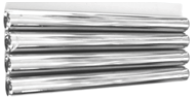
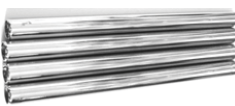

Model:
AV900-A, AV900-B, AV900-C, AV900-D

Revision 22032012

CAUTION:
Do not attempt to connect directly to live power supply.
Circuit board would suffer immediate damage under this situation.

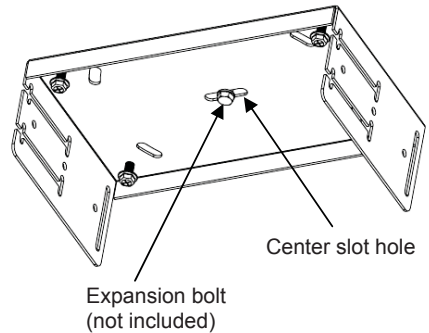
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PACKAGING CONTENT

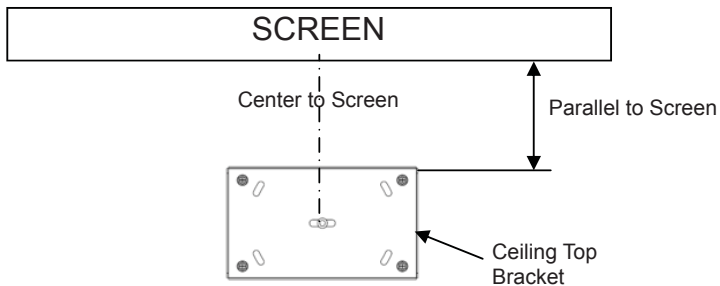
			
Item-1 Lifter Unit - 1 set	Item-1 Ceiling Top Plate- 1 pc	Item-3 Ceiling Cover Plate- 1 pc	Item-4 Universal Mount Base- 1 pc
			
Item-5 Universal Mount Top- 1 pc	Item-6 Extension Bars—1 set	Item-7 Screw Bag—1 set	Item-8 Spacers + Screw Bag -1 set
			
Item-9 Power Cable - 1 pc (NOT FOR Model AV900A)	Item-10 Remote Control - 1 pc	Item-11 Connection Cable - 1 pc	Item-12 2 way Switch - 1pc
			
Item-13 Transformer Unit - 1pc	Item-14 Battery - 1 pc	Item-15 Extension Screw Pin- 4 pcs	Item-16 Short ScrewPin- 4 pcs
			
Item-17 Medium ScrewPin - 4 pcs	Item-18 Long ScrewPin- 4 pcs		

2. INSTALLATION FOR THE LIFTER UNIT:

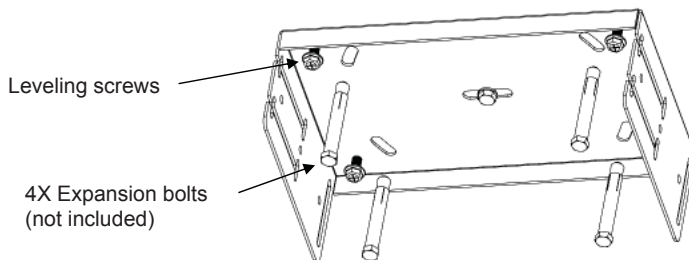
Step - 2.1 Locate the center point for mounting the Projector at a desired position, drill and mount the Ceiling Top Bracket (Item-2) at the center slot hole as show with Expansion Bolts (not included)



Step - 2.2 Check the center point once again by shifting the Ceiling Top Bracket left and right. Ensure the Ceiling Top Bracket is parallel to the Screen. Tighten the Expansion bolt.

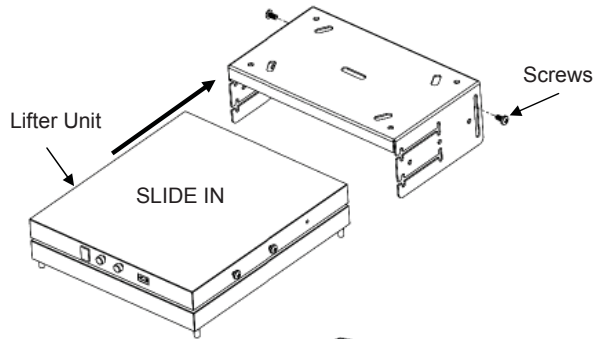


Step - 2.3 Drill and secure the Ceiling Top Bracket with another 4x Expansion bolts (not included). Check the levelness of the Ceiling Top Bracket with a leveling gauge by adjusting the 4x leveling screws at the corners.

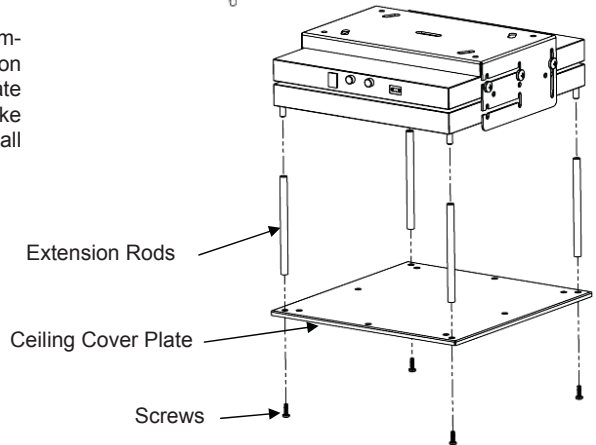


User Operation Guide

Step - 2.4 slide the Lifter unit (Item-1) into the slotted guide holes on both sides of the Ceiling Top Bracket, check the levelness of the Lifter unit again and tighten the screws.



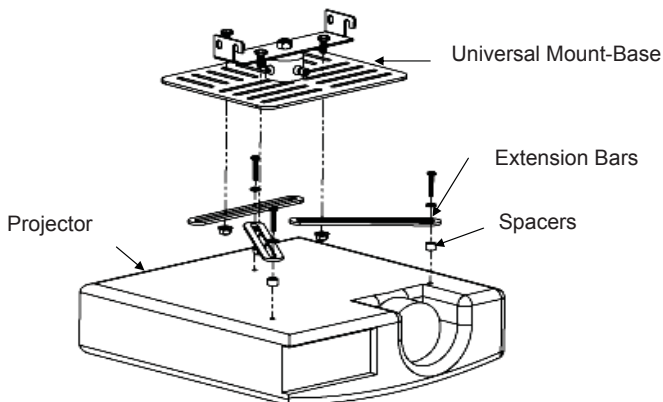
Step - 2.5 Fix the 4x Extension Rods (Item-16,17 or 18) (select the length based on ceiling height) with the Ceiling Cover plate (Item-3) onto bottom of the Lifter unit. Make a final check of the levelness. Ensure all screws are tightened.



Note: If ceiling height is more than 85cm, additional Angle Bars or Extended bars can be used for extension purpose (optional items).

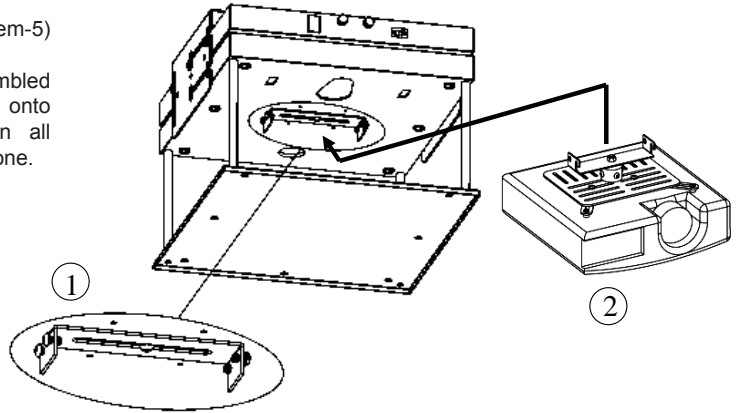
3. INSTALLATION FOR THE PROJECTOR:

Step - 3.1 Fix Universal Mount-Top (Item-5) Universal Mount-Base (Item-4), Extension Bars (Item-6) and Spacers (Item-7) with the Screws onto Projector as shown below.



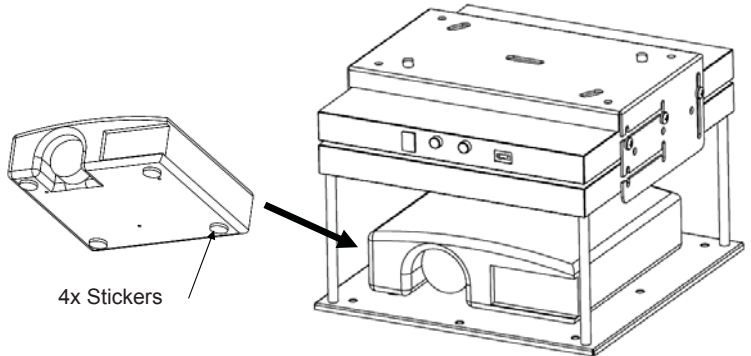
Step - 3.2

1. Fix Universal Mount-Top (Item-5) onto Lifter unit as shown.
2. Lift and Hook the assembled Projector done in Step-3.1 onto Universal Mount-Top. Tighten all screws after alignments has done.



INSTALL WITHOUT UNIVERSAL MOUNT:

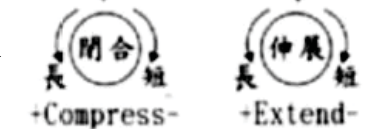
Projector can also be placed on top of the Ceiling Top Plate with 4x Stickers pasted on bottom of Projector.



4. ADJUSTMENTS

1 turn = 5mm

Upper Limit adjustment knob



Lower Limit adjustment knob

Upper Limit Adjustment:

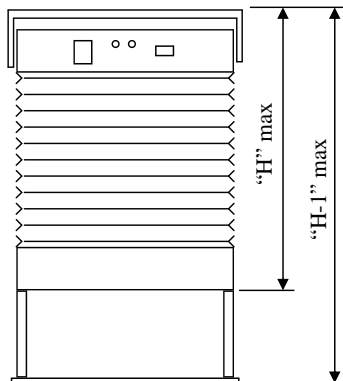
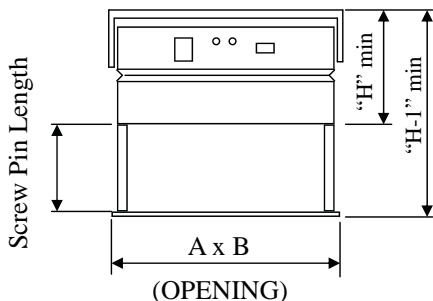
Adjust the Upper Limit by turning the knob clockwise (+) or anti-clockwise (-).

Lower Limit Adjustment:

Adjust the Lower Limit by turning the knob clockwise (+) or anti-clockwise (-).

User Operation Guide

5. TECHNICAL INFORMATION



Model: AV900A

A x B (mm)	Screw Pin Length (mm)	"H" min (mm)	"H-1" min (mm)	"H" max (mm)	"H-1" max (mm)	Load Capacity	Motor Speed
520 x 420	140	155	300	605	750	20 Kg	12.5mm/sec
	180	155	340	605	790		
	250	155	410	605	860		

Model: AV900B

A x B (mm)	Screw Pin Length (mm)	"H" min (mm)	"H-1" min (mm)	"H" max (mm)	"H-1" max (mm)	Load Capacity	Motor Speed
520 x 420	140	155	300	605	750	35 Kg	12.5mm/sec
	180	155	340	605	790		
	250	155	410	605	860		

Model: AV900C

A x B (mm)	Screw Pin Length (mm)	"H" min (mm)	"H-1" min (mm)	"H" max (mm)	"H-1" max (mm)	Load Capacity	Motor Speed
520 x 420	140	280	425	1280	1425	50 Kg	20mm/sec
	180	280	465	1280	1465		
	250	280	535	1280	1535		

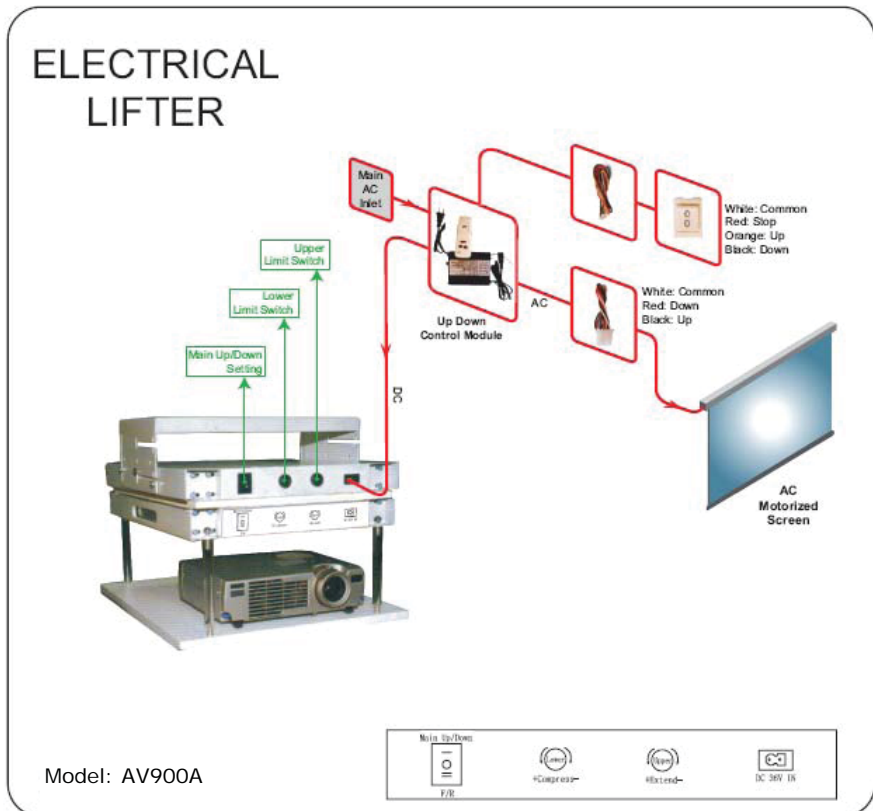
Model: AV900D

A x B (mm)	Screw Pin Length (mm)	"H" min (mm)	"H-1" min (mm)	"H" max (mm)	"H-1" max (mm)	Load Capacity	Motor Speed
620 x 430	140	330	475	1280	1975	50 Kg	20mm/sec
	180	330	515	1280	2015		
	250	330	585	1280	2085		

6. CABLES AND ELECTRICAL CONNECTION:

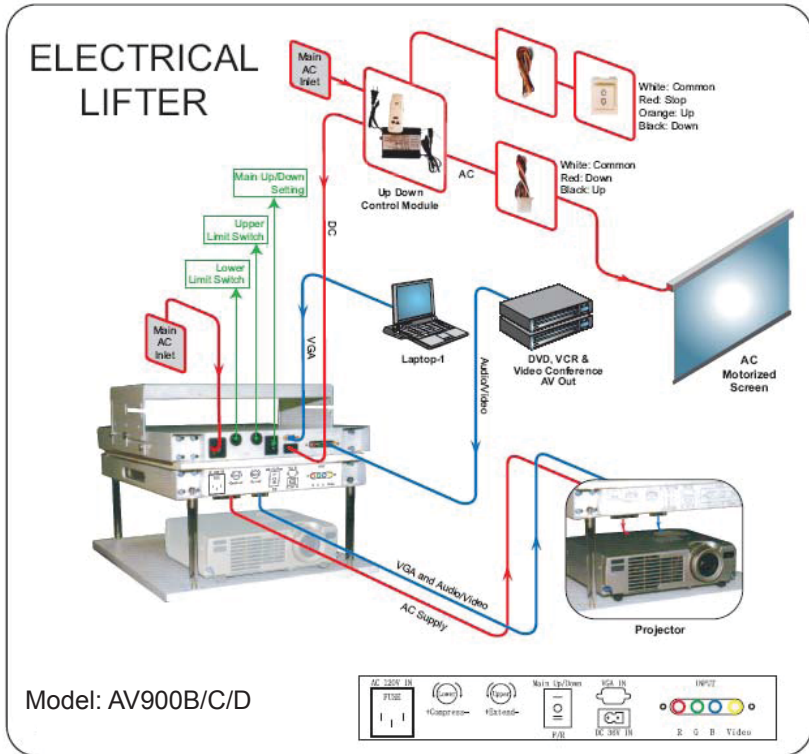
- Connect all cables as shown in Diagram-A, Diagram-B or Diagram-C.
- Connect to power supply and on.
- Adjust Upper and Lower Limit, see Step-4 for details.
- Caution - do not connect to power supply for testing if Lifter is not fully secured and fixed onto ceiling for Model AV900C, AV900D.

Diagram-A



6. CABLES AND ELECTRICAL CONNECTION:

Diagram-B



** For details and updated Command and Program Software, please visit and download from www.abtussingapore.com

*Specifications are subject to changes without notice.

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