

Thank you for purchasing a Screen Technics InterFit Vertical Down Lift, please ensure that you read the following instructions fully before attempting to install this product.

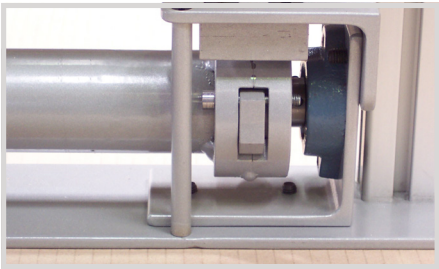
PLEASE NOTE THE LIFT WITHOUT A PANEL ATTACHED MAY NEED A WEIGHTED HAND TO ENSURE SMOOTH TRAVEL AND TO AVOID FOULING OF THE CABLES.

STEP 1. Measure the outside dimensions (footprint) of the Interfit Lift and cut a suitable size hole in the ceiling, lift into place and attach into the ceiling structure using at least 4 off attachment points.

STEP 2. You will see that the lifting device has multiple threaded nut holes (5/16 Whitworth) around the frame that allow you to utilise the supplied L brackets or you could support the unit by chain, turnbuckle and eyebolts. Ensure that you are satisfied that an adequate structure exists to support this unit before proceeding, if not make arrangements for addition support.

STEP 3. Installation Examples Once the lifter is installed within the ceiling, provide power to the unit and drive the lift downwards till it reaches it's bottom limit and stops

STEP 4. Operate the lift and satisfy yourself that no obstructions exist before attaching the plasma unit itself, utilising the supplied base plate - you may need to drill your own mounting holes depending upon panel model and ensure that you have enough ventilation holes in the correct positions to prevent the plasma unit overheating - if not please create new ventilation holes accordingly. Do a test run up and down before installing any AV cables and check clearances all round to ensure safe travel.



Close up of mechanical fall arrester - safety first!



Limit switches for travel adjustment - use due care!

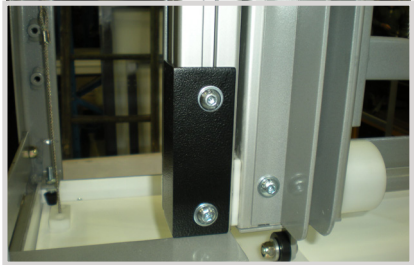
STEP 5. Install the power and data cables into the cable management system, with access via the rear of the lifter, management being a U channel that moves up with the unit behind the lifting arms. Use cable ties to keep cables in position and allow enough slack so that no stretching or pinching of cables occurs during the up / down travel.

STEP 6. Test that the unit will raises and lower safely and correctly.

ADJUSTING THE LOWER STOP POSITION

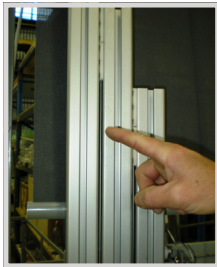
NOTES: It is possible to adjust the amount of travel that the unit has and thus customise the setting height for the panel stop and tilt function. The unit is set at the factory with the maximum amount of travel, so all adjustments must be made within the set up and down range. Supplied with the unit is a pair of angle pieces (painted black so you can find them, located above the roof line) that are drilled for fitting and supplied with a specialised nut and bolt system. (Where they are located in the unit is strictly a storage position and they can be left there permanently if not required).

STEP 1. If you wish to adjust the travel then remove the black angle brackets and motor the panel down to the position desired as the lower stop position and bolt the angles to the outside lifting arms with the black angle facing into the gap created by the outside arms and the middle arms (see photo below) hard up against the upper white nylon slide. This will stop further travel in the downwards direction and effect the tilt function from this position.



It is important to note that once you have adjusted the lift arm travel you need to also adjust the bottom limits so to allow for less motor travel also, otherwise the cables will run slack and the unit tilt function will over tilt.

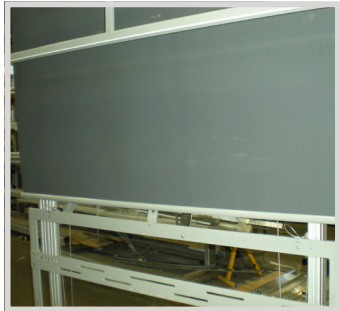
Should you have any queries regards these instructions please contact our sales office during business hours



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PRIVACY BLIND

Please note this unit comes with a fitted privacy blind which hides the bulk of the lifting mechanism from view when in the down position. This is a decorative feature only and if the user prefers the look of the system without the privacy blind, then please unbolt the blind bracket, as shown below and gently allow the blind to retract up into the enclosure, where it will sit out of site.

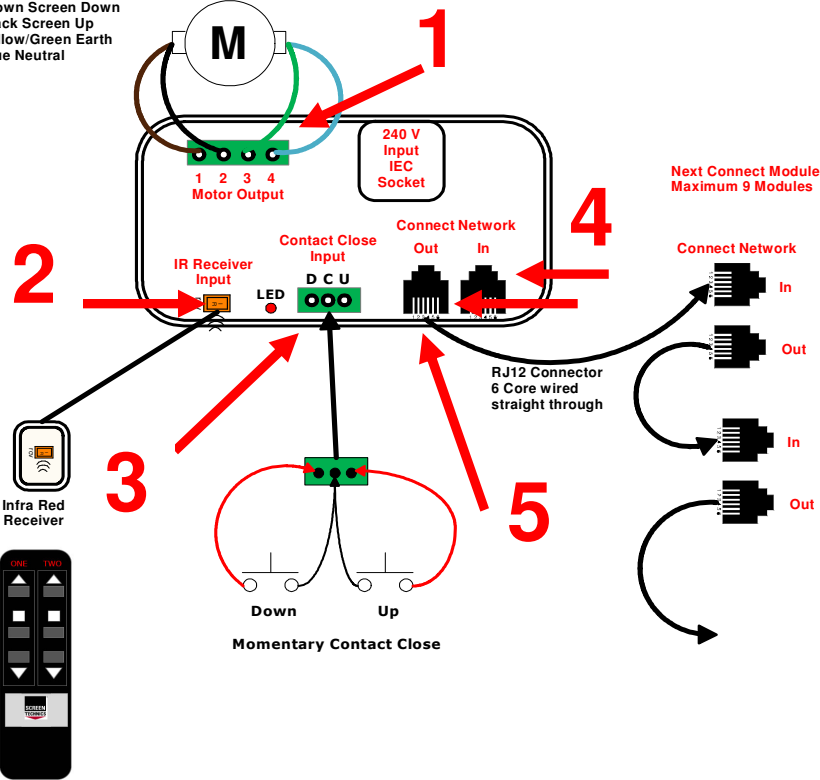


GENERAL ADVICE

- The up and down stop positions are set using the limit adjustment switches and are set at the factory to allow maximum travel distance - due care must be taken if adjusting these limit switches as any damage caused to the unit will void any warranty.
- The unit requires no maintenance throughout its life, although an inspection should be carried out approximately every 12 months.
- Please ensure any cables are safely away from any moving parts.
- When reversing direction of the travel in this unit a minimum delay of half a second is required to be programmed in to prevent instant reversals.
- No persons should be beneath these devices during normal operation.

THE FOLLOWING PROCEDURES REQUIRES ACCESS TO THE CONNECT MODULE THROUGH REMOVAL OF THE CONTROL BOX LID AND AS SUCH YOU MUST REMOVE ALL POWER FROM THE UNIT BEFORE PROCEEDING OTHERWISE ELECTROCUTION OR SERIOUS INJURY MAY OCCUR.

Motor Wiring
Pin 1 - Brown Screen Down
Pin 2 - Black Screen Up
Pin 3 - Yellow/Green Earth
Pin 4 - Blue Neutral



CONNECT CONTROL MODULE - STANDARD

After the installation of the Interfit Vertical Down Lift is completed, plug into a standard power point and turn on. The unit requires no maintenance throughout its life, although an inspection should be carried out approximately every 12 months.

POINT 1 The AV Lift comes wired with a standard 3 pin power plug which is suitable for Australian and New Zealand GPO's (general power outlet).

The AV Lift can be operated in three ways:

- 2 Channel Infra Red Remote Control - supplied
- Impulse wall Switch - Up & Down (supplied by others)
- Dry Contact Closure - SPDT (Single Pole Double Throw), for control system connection.

POINT 2 - INFRA RED REMOTE CONTROL

The AV Lift is packaged with a 2 channel Infra Red Transmitter and a 300mm long IR Sensor, for connection to the Connect Module.

Position the IR Sensor Eye with double sided tape or a U Pin, so that it can be seen from where you wish to operate the AV Lift, and use the up and down buttons on the transmitter on channels 2 only to operate the unit.



POINT 3A - LMPULSE WALL SWITCH (supplied separately- Item Number 3500998).

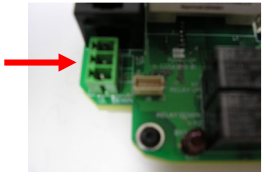
The Connect Module equipped AV Lifter can also have simple wall switch operation, although due to interior decor choices the actual switch itself is not supplied with the AV Lift and needs to be sourced.

You will need to connect the impulse wall switch to the dry contact closure input, it provides local control of your Av Lifter.

POINT 3B - DRY CONTACT CLOSURE

This is the industry standard method of switching an AV Lifter via a Building Control System.

It is operated on a SPDT (single pole double throw) switching standard with an Open, Close and Common input port. It utilises the same connection as the above described Impulse Wall Switch.



POINT 4A - INPUT FROM OTHER CONNECT PRODUCTS (Projection Screen)

The Left RJ11 Input allows you to daisy chain from another connect module eg: Electricinema Projection Screen and have both products controlled via the IR remote control

POINT 4B - OUTPUT TO OTHER CONNECT PRODUCTS - RJ11 6 CORE STRAIGHT THROUGH CABLE

The Right RJ11 output allows you to daisy chain to another connect module eg: Electricinema Projection Screen and have both products controlled via the IR remote control

Note: Connection must be from the right RJ11 output to the left RJ11 Input up to 9 Modules in Total



Right RJ11 Output
to connect modules



Left RJ11 Input from
previous module

POINT 5 - CONNECTION OF LOW VOLTAGE TRIGGER MODULE (Not Supplied)

The Left RJ11 Input allows you to connect the Low Voltage Trigger Module, the module requires 5V - 24V DC to operate. When DC voltage is supplied to Low Voltage Trigger from a projector or control system the projector lift will lower and when no DC voltage is present the projector lift will raise.

Note: The Low Voltage Trigger must be connected to the Left RJ11 using 6 Core Flat Cable to first Connect Module



Once you have chosen your switching method ensure that you refit the lid of the control box before applying mains power to the Av Lifter

MAINTENANCE AND SERVICING

Although this unit does not require any regular servicing, it is recommended that a visual inspection of the device take place on a scheduled yearly basis inspecting for the following:

Please note that no persons should be beneath the device during this testing procedure, or in day to day operation.

1. Inspect wire cabling for any fraying, and that the cable is sitting neat on the cable winding drum.
2. Inspect the power and AV source cables that travels up and down with the unit are not damaged from use and that no tangling or pinching has occurred.
3. Operate the unit fully down and up to ensure smooth operation and inspect the fall arrester mechanism attached to the winding tube for free travel every rotation (it will fall into place and make a clicking sound).
4. A full visual inspection looking for any part of the device that appears to be faulty or failing.

Should any concerns arise from these inspections please immediately seek advice from Screen Technics, and secure the device so that it is not operational until all matters are resolved on:

+ 61 2 4869 2100