

Thank you for purchasing a Screen Technics InterFit Vertical Up Lift and please ensure to read the instruction fully before proceeding to install the unit.

**GENERAL ADVICE**

- Beware of having your hands within the unit if operating up or down to avoid any fingers getting caught or jammed.
- Please note operating the lift without a panel attached will need a weighted hand to ensure smooth travel and to avoid fouling of the cables.

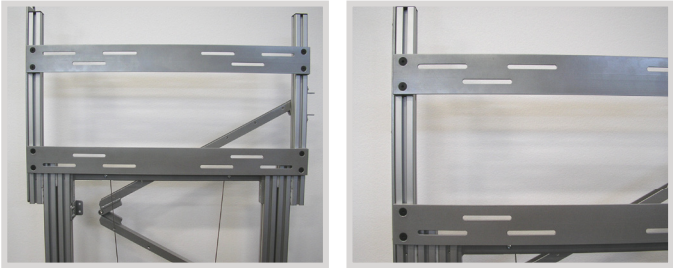
**INSTALLATION ADVICE**

- The unit is attached into / against a structure using the 4 off bottom base plate holes (10mm) and the 2 off back support brackets. The back support brackets must be used in every installation to stabilise the unit during operation.
- If attaching the lifting unit into an enclosed space the minimum internal dimensions are :
  - Panel width plus 50mm
  - Panel height Plus 50mm (can be reduced to 25mm if required).
  - Panel thickness plus 115mm
- The lifter as a stand alone item is very quiet, but when placed in cabinetry will tend to reverberate and make some noise, and as such you should ensure to increase the box (cabinet) size if possible and to fit sound deadening material inside the box, and this will greatly reduce the environmental noise during operation.

**STEP 1.** Once the lifter is attached to the structure of the cabinet, provide power to the unit and drive the lift upwards till it reaches it upper limit and stops.

**STEP 2.** Lower the lift using the motor while physically pushing down on the unit itself, as normally it uses the weight of the panel to operate properly.

**STEP 3.** When you are satisfied the unit is operating properly raise it once again and install the monitor screen.



Front of unit - see horizontal mount plates - with overlapping slots for differing mount holes

**STEP 4.** To mount the panel unit utilise the long overlapping slots as the bolt positions, located on the horizontal mounting plates (bolt heads cannot exceed 10mm). These plates are also adjustable up and down in their slotted tracks. Always ensure that the bolts holding the horizontal plates on are done up tight as they will be supporting the panel weight.



**STEP 5.** Install the power and data cables into the cable management system, this 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.

**Note:** The cable management system can be reversed if required, you will need to readjust the back attachment brackets in order to achieve this

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

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## DOOR OPENING MECHANISM - STANDARD FITTING

The InterFit Vertical Up Lift comes with an integrated door opening solution which works as follows:

**STEP 1.** Bolted to the LH side of the lifter up-right is a full height door guide with a nylon runner wheel mounted at the top, which pushes open the door on the upward travel.

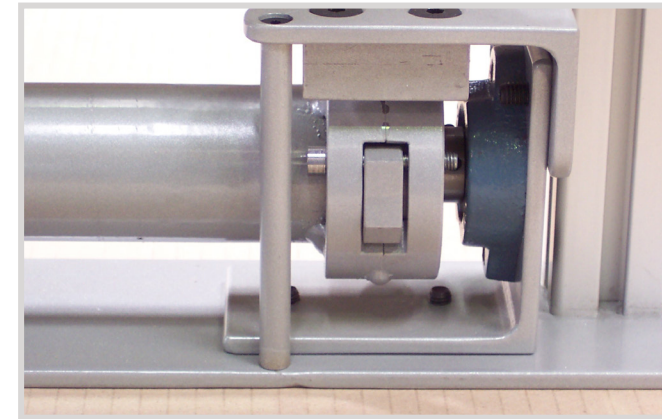
**STEP 2.** You should mount the panel unit so that it is level with the top of this nylon runner wheel - you may need to trim the door guide arm to suit, making sure it still goes all the way to the bottom of the unit, so the door does not get trapped under it when in the up position. You can slide the door guide arm up or down by loosening the channel bolts accordingly.

**STEP 3.** The unit is supplied with 2 off (White & Black) nylon wear pads that are designed to be fitted and to protect the underside of your opening door and glide along the edge of the door guide. Two colours supplied for door colour matching purposes.

**STEP 4.** It is recommended that the hinge or pivot point for the door be 50mm back from the outer edge of the door guide arm, as this will stop the door from over tilting and falling back away from the mechanism.

**STEP 5.** If you don't have enough room for the recommended 50mm pivot point then you will require a spring tension system to pull the door against the lifting unit and stop the door overbalancing - a solution is available from Screen Technics, please contact during office hours to enquire.

Keep in mind the door weight / panel weight combination must be within published specifications for maximum unit capacity (marble or granite tops may be an issue). See design sheet for details.



Close up of mechanical fall arrester - safety first!

## FIXED DOOR MOUNTING PLATE - OPTIONAL EXTRA FITTING

Enables a cut piece of cabinet or bench top (within specified weight restrictions) to be flush mounted to the top of the Lifting unit

- Enables a cut piece of cabinet or bench top (within specified weight restrictions) to be flush mounted to the top of the Lifting unit.
- T Section mounting plate is adjustable for height utilising the side locking Allen Key bolts.
- Ensure that no obstructions exist with this style of door fitting as it will close flush with exiting cabinet and possibly damage any items that get in the way.
- We recommend a non latching switch that necessitates someone to keep pushing the control switch until the unit is fully closed as a safety measure.

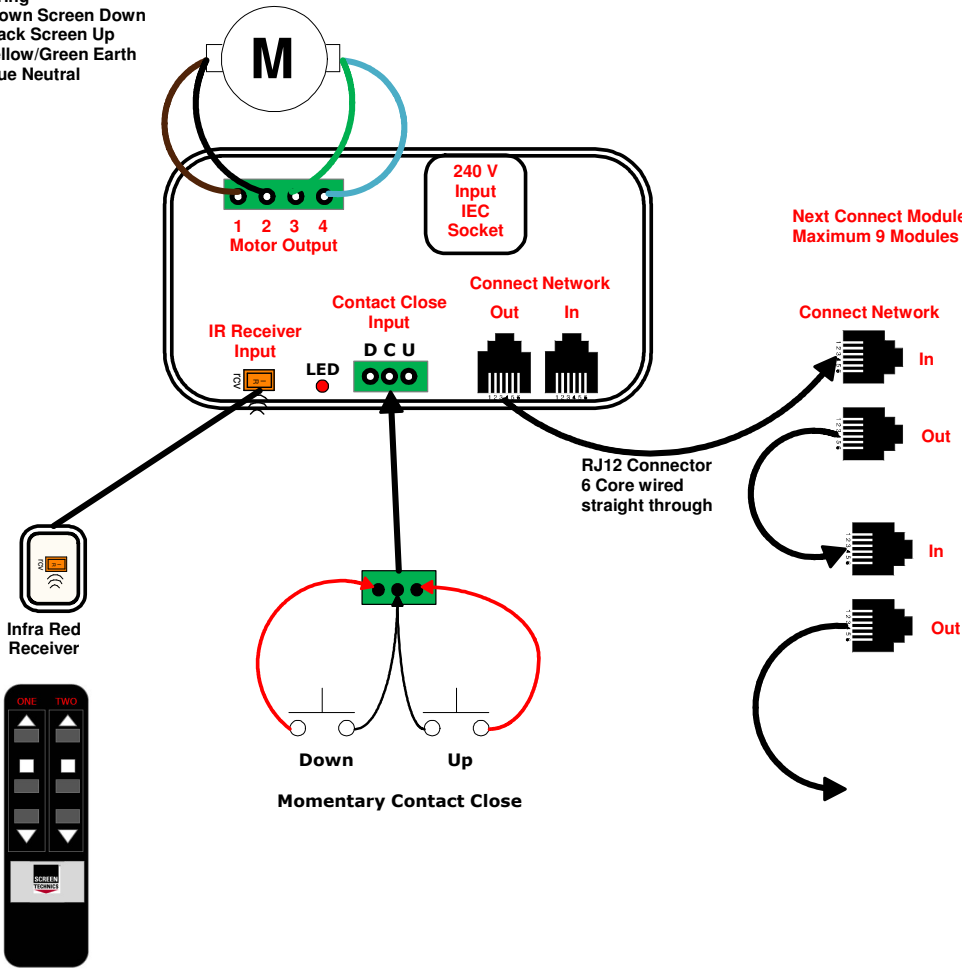


## GENERAL ADVICE

- 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 18 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.

240 Volt Motor Controller for  
4 Core Projection Screens, AV Lifters and Motorised Blinds

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



**240 VOLT MAINS CONNECTIONS**

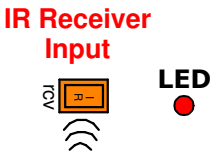
- The iConnect motor controller is supplied with a 240 V IEC power lead for connection to a standard GPO.
- The 240 V output to the 4 core motor is via the supplied WAGO connector.

**PIN WIRING CONFIGURATION**

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

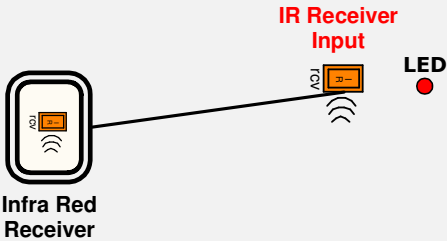
**POWER ON INDICATOR (NEXT TO IR INPUT)**

- When LED is Green, indicates mains 240V present and iConnect module is on.
- When LED is Red, indicates that iConnect module is in program mode.



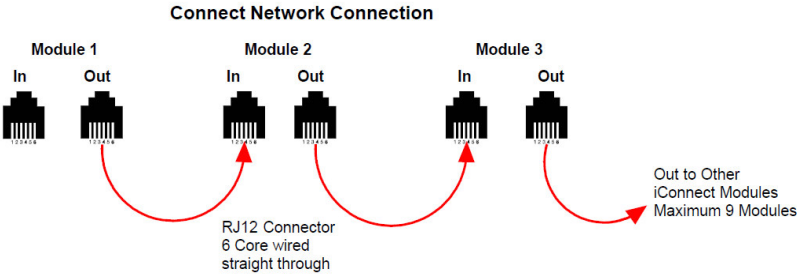
**FOR INFRA RED OPERATION YOU WILL REQUIRE (SUPPLIED SEPARATELY)**

- Screen Technics 2 Channel infra red transmitter (Product Code 6500101)
- Screen Technics Connect infra red sensor (Product Code 6500102 Length 300mm) or (Product Code 6500103 Length 2000mm).
- Infra red receiver is connected to the IR receiver input on iConnect module.
- Factory standard infra red operation is infra red channel one (1).
- For individual infra red channel control (up to 9 Infra Red Channels can be programmed via the 6 button infra red transmitter if required. (Contact Screen Technics for details)



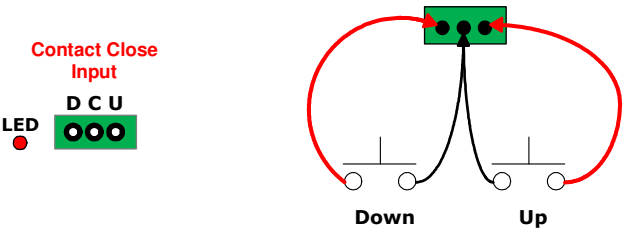
**CONNECT NETWORK CONNECTION**

- The connect network allows for the connection of up to nine (9) iConnect 240V or 24V modules.
- Connection between modules is via a RJ12 6 Core cable wired straight through.
- Connection is made by connecting from the RJ12 connect network out to the RJ12 connect network in.
- A 10 metre RJ12 Connect daisy chain cable is available (Product Code 6500104).



**CONTACT CLOSE INPUT**

- Requires two (2) contacts - one for up command and one for down command.
- Contact operation is momentary dry contact, command is sent when contact is reopened (Lagging Contact)
- Contact close input is local only, can be parallel wired to other modules for multiple control.
- Contact close can be reprogrammed to single latched mode by using the 6 button infra red transmitter if required. (Contact Screen Technics for details)
- Two button impulse switches are available (Product Code 3500998)



**INTERFACING WITH THIRD PARTY CONTROL SYSTEMS**

The iConnect module can be connected to the iReply (Product Code 6500300) interface via the connect network to provide

- RS232 control
- RS485 Control
- TCP/IP Control
- USB Control

(Contact Screen Technics for details.)

**FACTORY RESET PROCEDURE**

Should you experience problems with the operation of the iConnect module at the time of installation, a factory reset can be initiated to confirm operational integrity of the iConnect module.

- Infra Red receiver must be connected to the iConnect module
- Disconnect module from mains power for 20 seconds
- Reconnect module to mains power.
- LED on iConnect module will change from green to red (module is now in program mode).
- Using the 6 button infra red remote push buttons in the sequence of:
  - **Stop 1 - Stop 1 - Stop 2 - Stop 2 - Stop 1 - Stop 1**
  - To confirm that the reset was performed the projection screen, AV lifter or roller blind will jiggle up and down. The module is now reset to factory standard (Infra red operation is group one (1) and contact close is momentary operation).

**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 winding neat on the cable winding drum.
2. Inspect the power and AV source cable that travels up and down with the unit to ensure no damage or tangling 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.

Should you have any questions regarding the installation of our products please call our sales desk on +61 2 4869 2100 for assistance