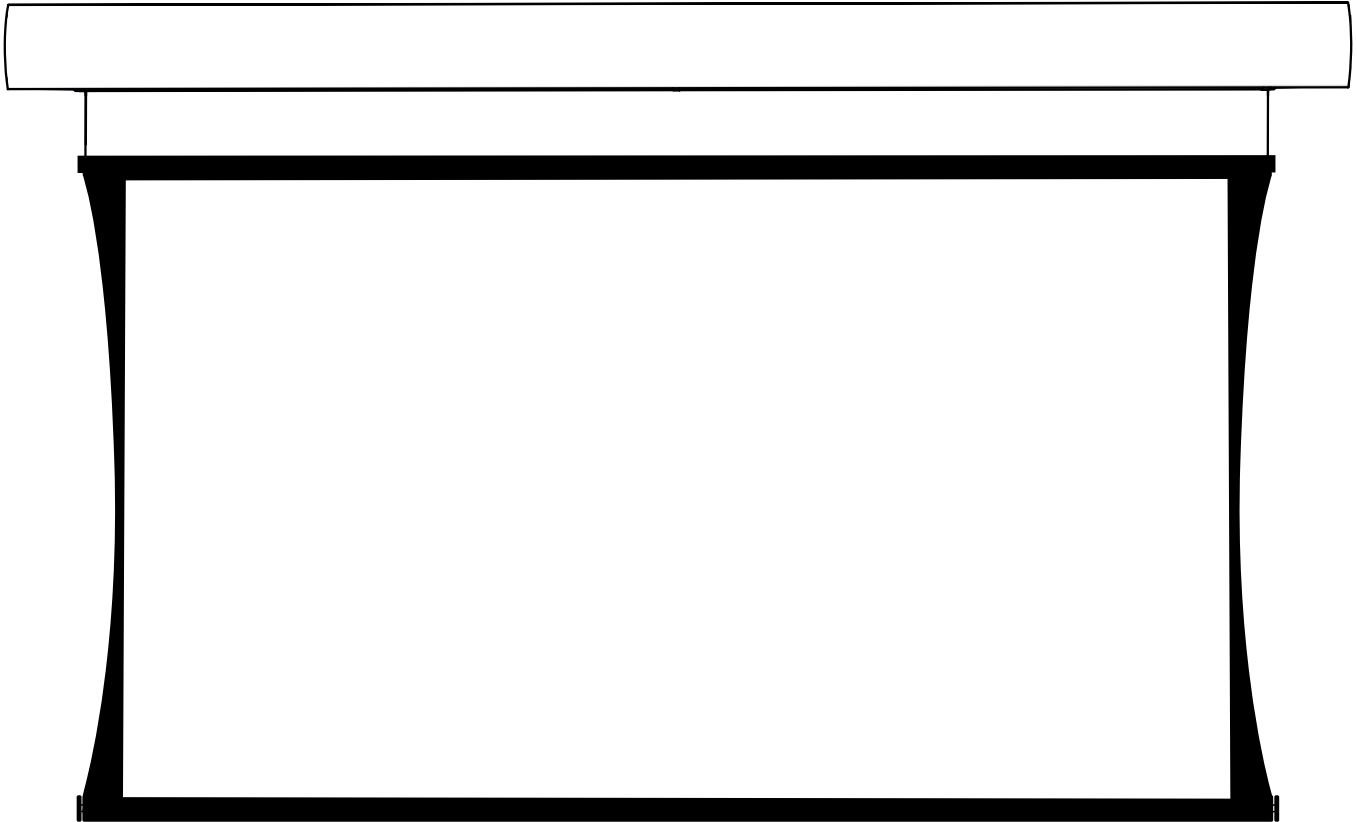


Zero-G[®]

Owner's Manual



External Mount



INSTALLERS: PLEASE LEAVE THIS
MANUAL WITH THE OWNER.



APPLY S/N
STICKER HERE



LIMITED ONE YEAR WARRANTY ON SCREEN INNOVATIONS PRODUCTS

Screen Innovations warrants its products, to the original purchaser only, to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase by the original purchaser provided they are properly operated according to Screen Innovations' instructions and are not damaged due to improper handling or treatment after shipment from the factory.

This warranty does not apply to equipment showing evidence of misuse, abuse, or accidental damage, or which has been tampered with or repaired by a person other than authorized Screen Innovations personnel.

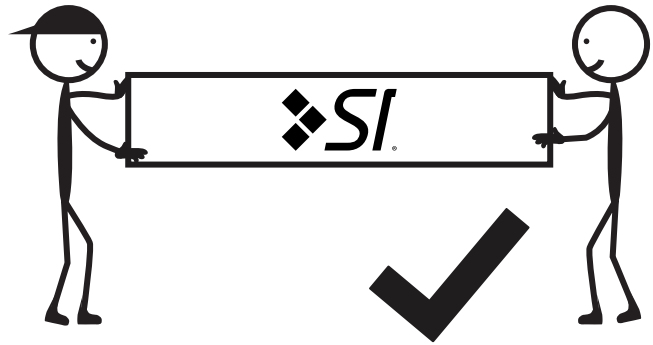
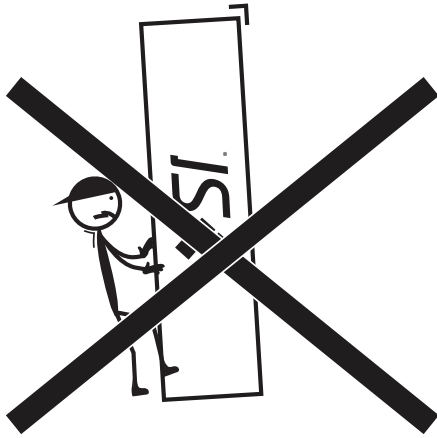
Screen Innovations' sole obligation under this warranty shall be to repair or to replace (at Screen Innovations' option) the defective part of the merchandise. Returns for service should be made to your Screen Innovations' dealer. If it is necessary for the dealer to return the screen or part to Screen Innovations, transportation expenses to and from Screen Innovations are payable by the purchaser and Screen Innovations is not responsible for damage in shipment. To protect yourself against damage or loss in transit, insure the product and prepay all transportation expenses.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES AS TO FITNESS FOR USE AND MERCHANT ABILITY. Any implied warranties of fitness for use, or merchantability, that may be mandated by statute or rule of law are limited to the one (1) year warranty period. This warranty gives you specific legal rights, and you may also have other rights, which vary from state-to-state. NO LIABILITY IS ASSUMED FOR EXPENSES OR DAMAGES RESULTING FROM INTERRUPTION IN OPERATION OF EQUIPMENT, OR FOR INCIDENTAL, DIRECT, OR CONSEQUENTIAL DAMAGES OF ANY NATURE.

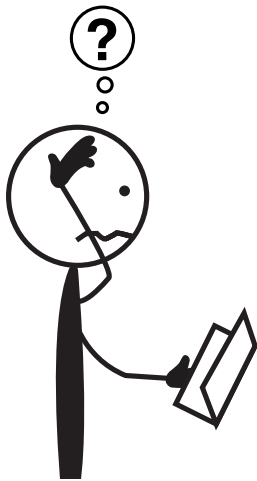
In the event that there is a defect in materials or workmanship of a Screen Innovations product, you may contact our Sales Partners at 9715-B Burnet Road Suite 400, Austin, TX 78758, (512) 832-6939.

IMPORTANT: THIS WARRANTY SHALL NOT BE VALID AND SCREEN INNOVATIONS SHALL NOT BE BOUND BY THIS WARRANTY IF THE PRODUCT IS NOT OPERATED IN ACCORDANCE WITH SCREEN INNOVATIONS' WRITTEN INSTRUCTIONS.

Keep your sales receipt to prove the date of purchase and your original ownership.



Installation requires 3 or more people. Bend knees when lifting.



512-832-6939

Burnet Road Suite 400, Austin, TX 78758
screeninnovations.com

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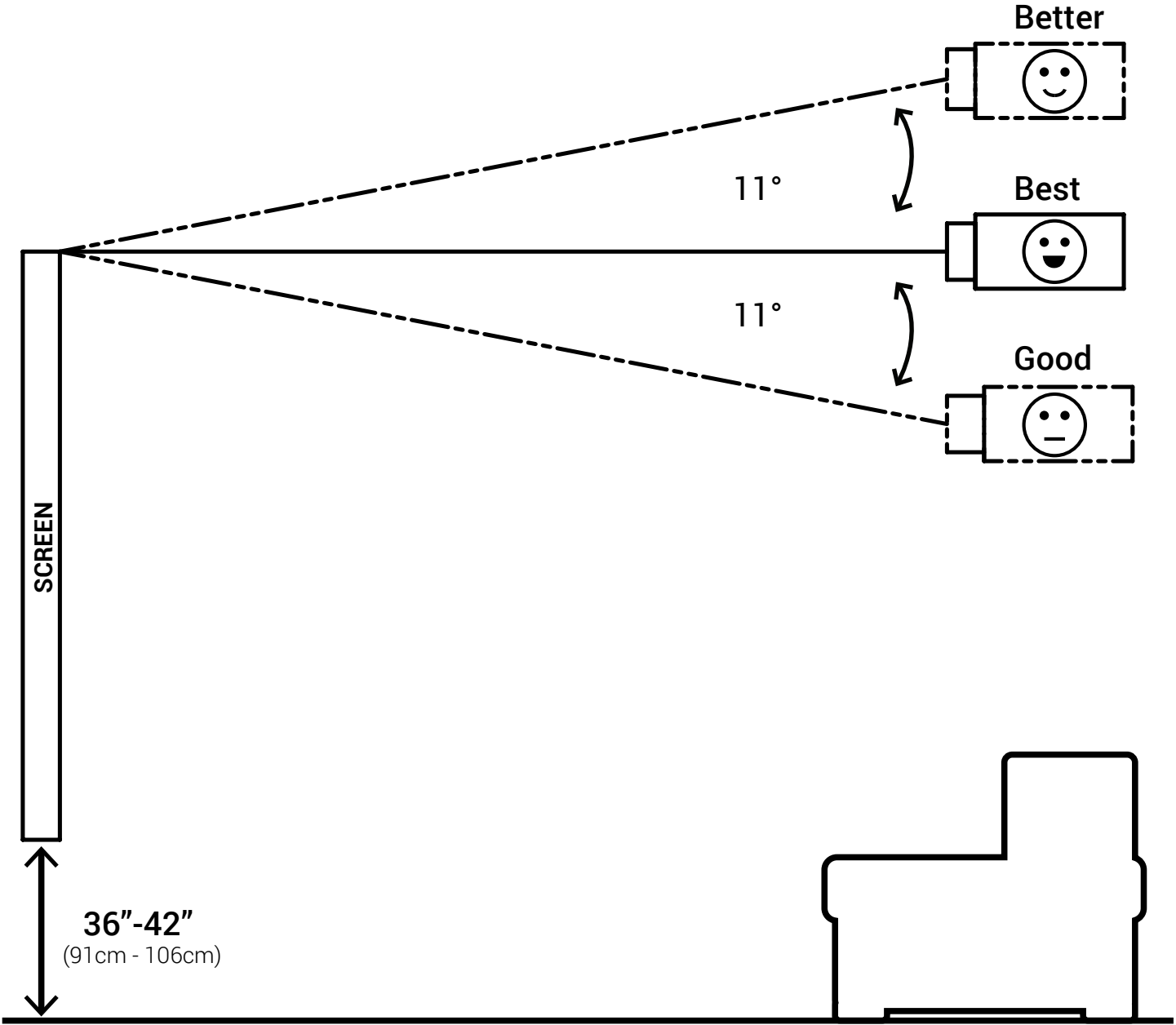
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CAUTION: READ THE INSTRUCTIONS IN THEIR ENTIRETY BEFORE PROCEEDING. ACTIONS CONTRARY TO THE INSTRUCTIONS INVALIDATE THE WARRANTY AND MAY RESULT IN SERIOUS DAMAGE AND/OR INJURY.

INSTALLER:

- Blocking is required. The ceiling or wall used for fixture installation must be able to support 300 lbs or more. Failure to properly secure the screen may result in injury and/or damage.
- Electrical work should be performed using appropriate electrical codes and regulation, by a licensed electrical professional.
- Before running cables in walls or ceilings see controls section on pages 14 and 17 for control cable requirements.
- Before removing the screen from the box, check for damage and to make sure all parts are included.
- Do not use any sharp blades when opening the screen packaging. Open by hand.
- Do not pull on the sides, crease, or fold the screen. The screen material is very delicate.
- Care in mounting and correct operation will result in long and satisfactory service from the SI screen.
- The screen should be level when installed. Always use a carpenter's level.
- Nothing should be fastened to any part of the screen assembly.

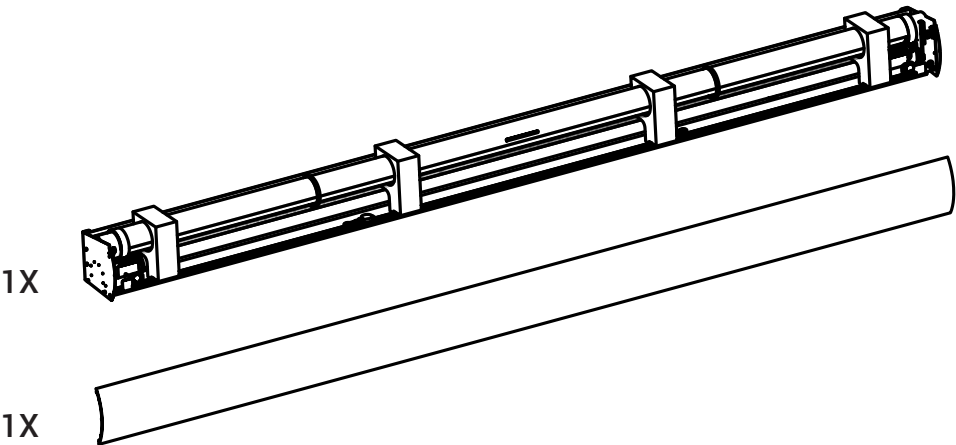
END USER:

- To prevent damage, the operating and maintenance of the screen should be performed by experienced professionals.
- This is a finished product. Do not write or draw on the surface.
- Do not put anything near or under the screen that would come in contact or impede the normal operation of the screen when deployed.
- Damage to the screen can result if an object prevents the screen from fully deploying.

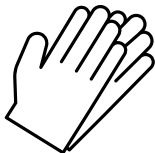
NOTE: The screen has been thoroughly inspected and tested at factory and found to be operating properly prior to shipment.



INSTALLATION REQUIRES THREE OR MORE PEOPLE. THE PRODUCT WEIGHS UP TO 225 LBS. PLEASE USE SAFE LIFTING AND RIGGING TECHNIQUES.



16X to 24X



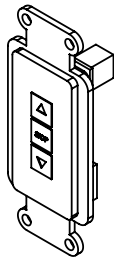
2X



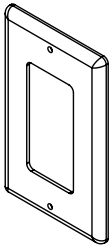
1X



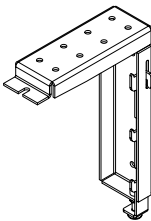
1X



1X



1X



2X to 3X



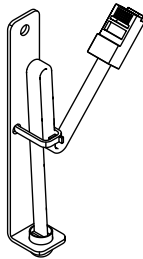
1X



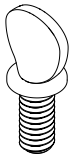
2X



1X



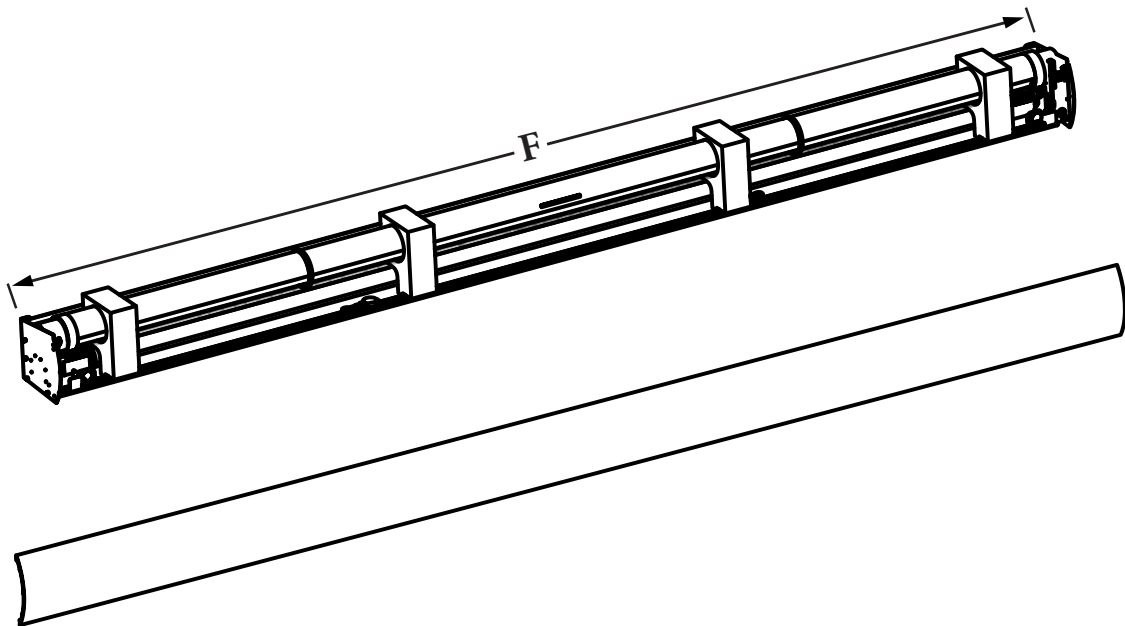
1X



1X



BLOCKING REQUIRED. THE CEILING OR WALL USED FOR FIXTURE INSTALLATION MUST BE ABLE TO SUPPORT 300 LBS OR MORE. FAILURE TO PROPERLY SECURE THE SCREEN MAY RESULT IN INJURY AND/OR DAMAGE.

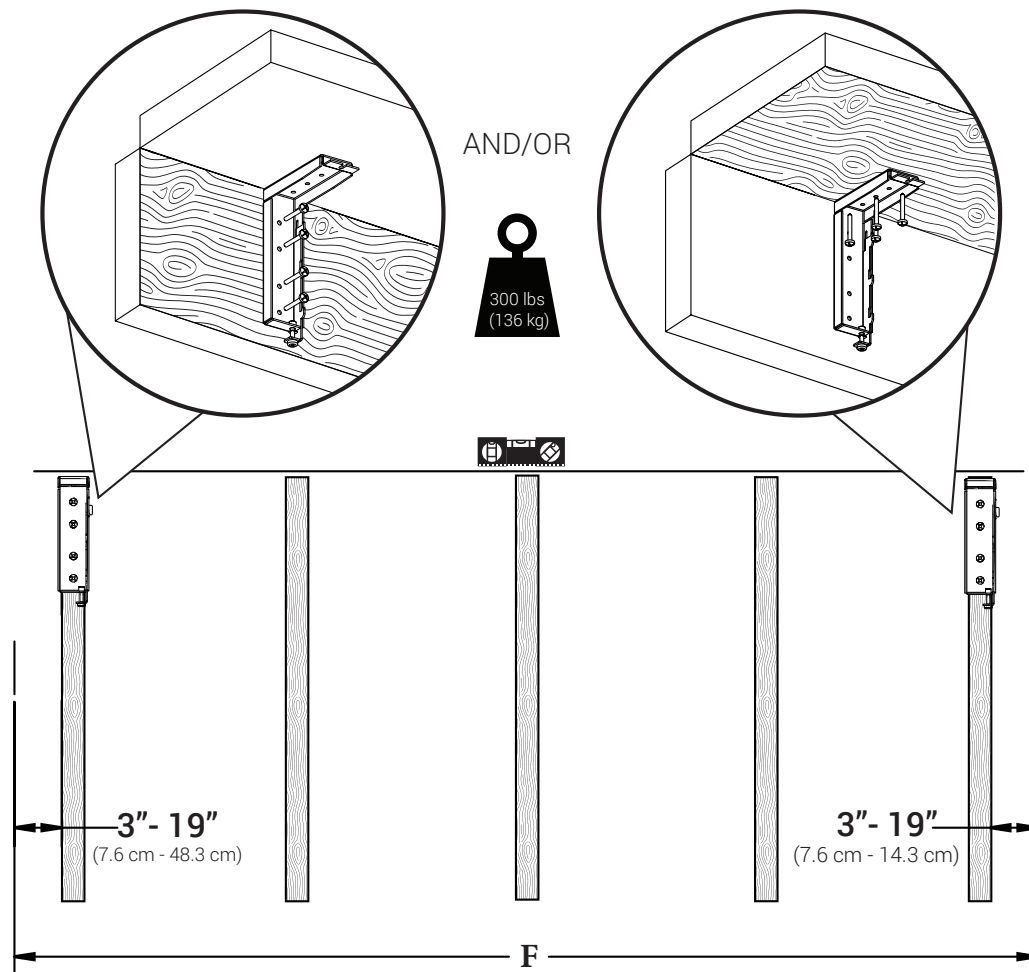
1

Set fascia aside and out of the way of the installation location. Leave the foam around the tube inside the case in place. Remove all other foam and packaging materials. Measure full length of the case (**F**).



FAILURE TO PROPERLY LEVEL THE MOUNTING BRACKETS MAY CREATE ISSUES WITH THE SCREEN OVER TIME, WHICH COULD DAMAGE THE SCREEN MATERIAL.

2



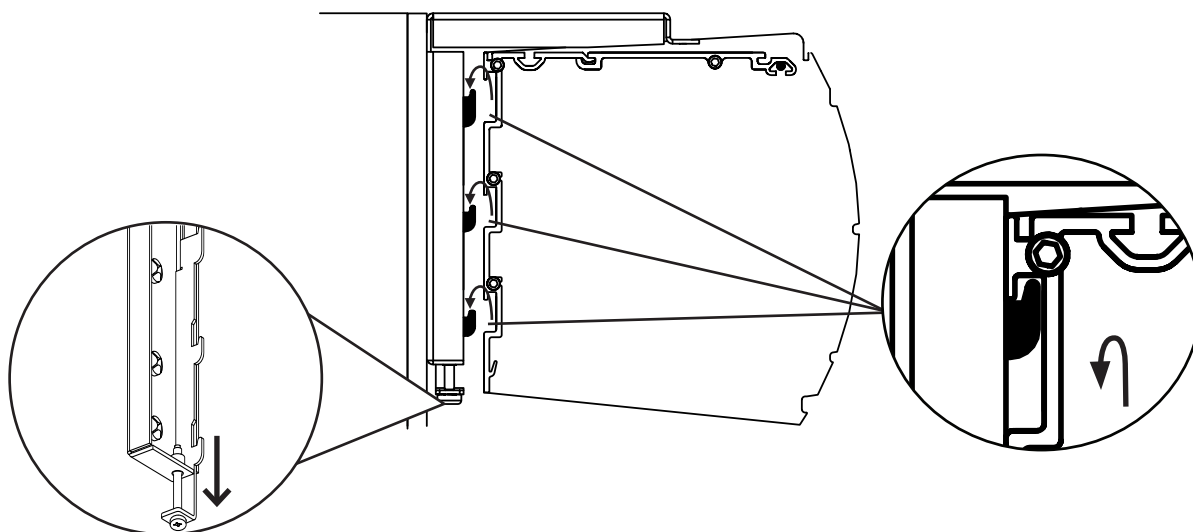
Level the brackets to within $\frac{1}{8}$ " over **10'** using the case length (**F**).

Note that the bracket screws provide $\frac{1}{8}$ " additional adjustment after they have been mounted.

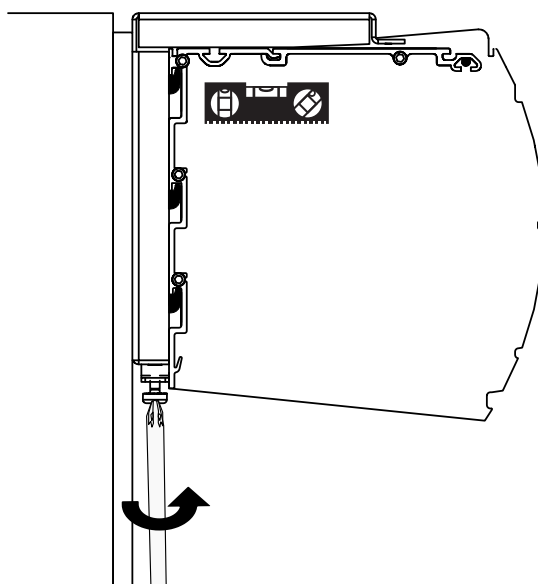
Install the brackets so that they will be **3" - 19"** away from the edge of the case on both sides. The ideal range is **3" - 6"**.



INSTALLATION REQUIRES THREE OR MORE PEOPLE. THE PRODUCT WEIGHS UP TO 225 LBS. PLEASE USE SAFE LIFTING AND RIGGING TECHNIQUES.

3

Make sure bracket screws are backed out all the way before putting the screen in place. Hook the bracket into all 3 grooves in the case.

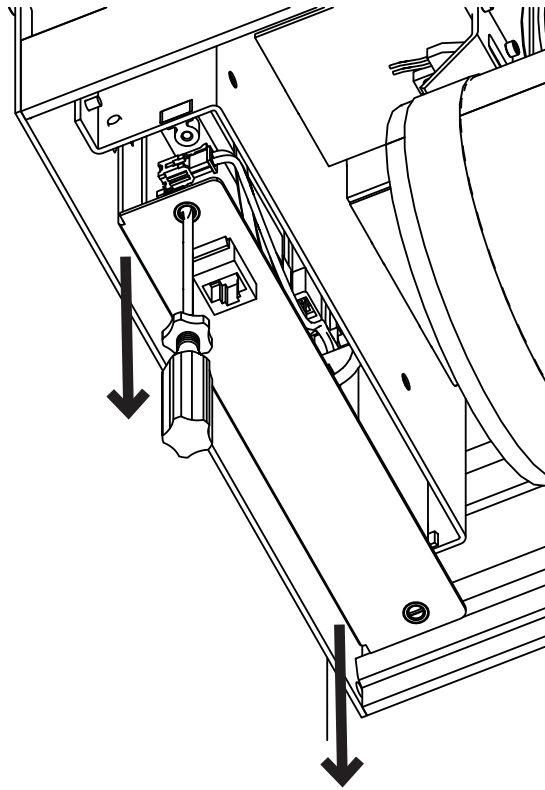
4

Tighten the screws to lock in place. Then check to make sure the screen is level to within 1/8" over 10 ft. You can make up to 1/8" adjustment with bracket screws.



DO NOT OPEN THE CONTROL CENTER
WITH THE CIRCUIT BREAKER ON.

1

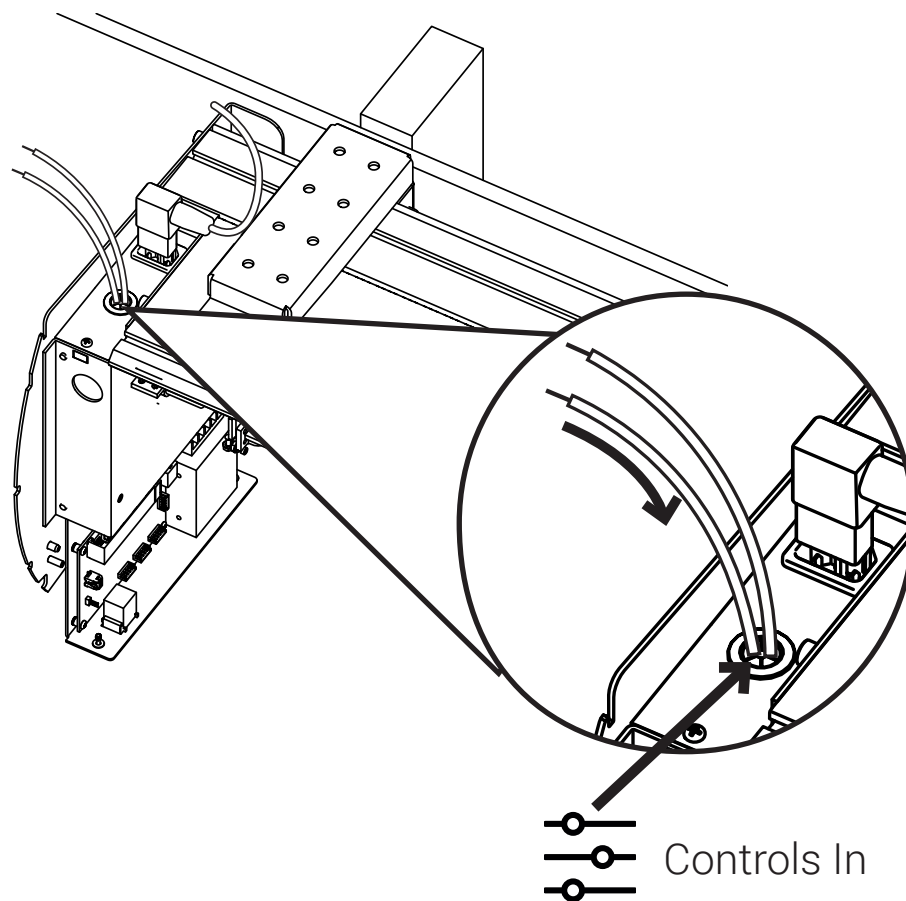


Open the tray.

Unscrew and pull down the control center carefully ensuring none of the cables or motherboard become damaged. **If you feel resistance do not yank.**



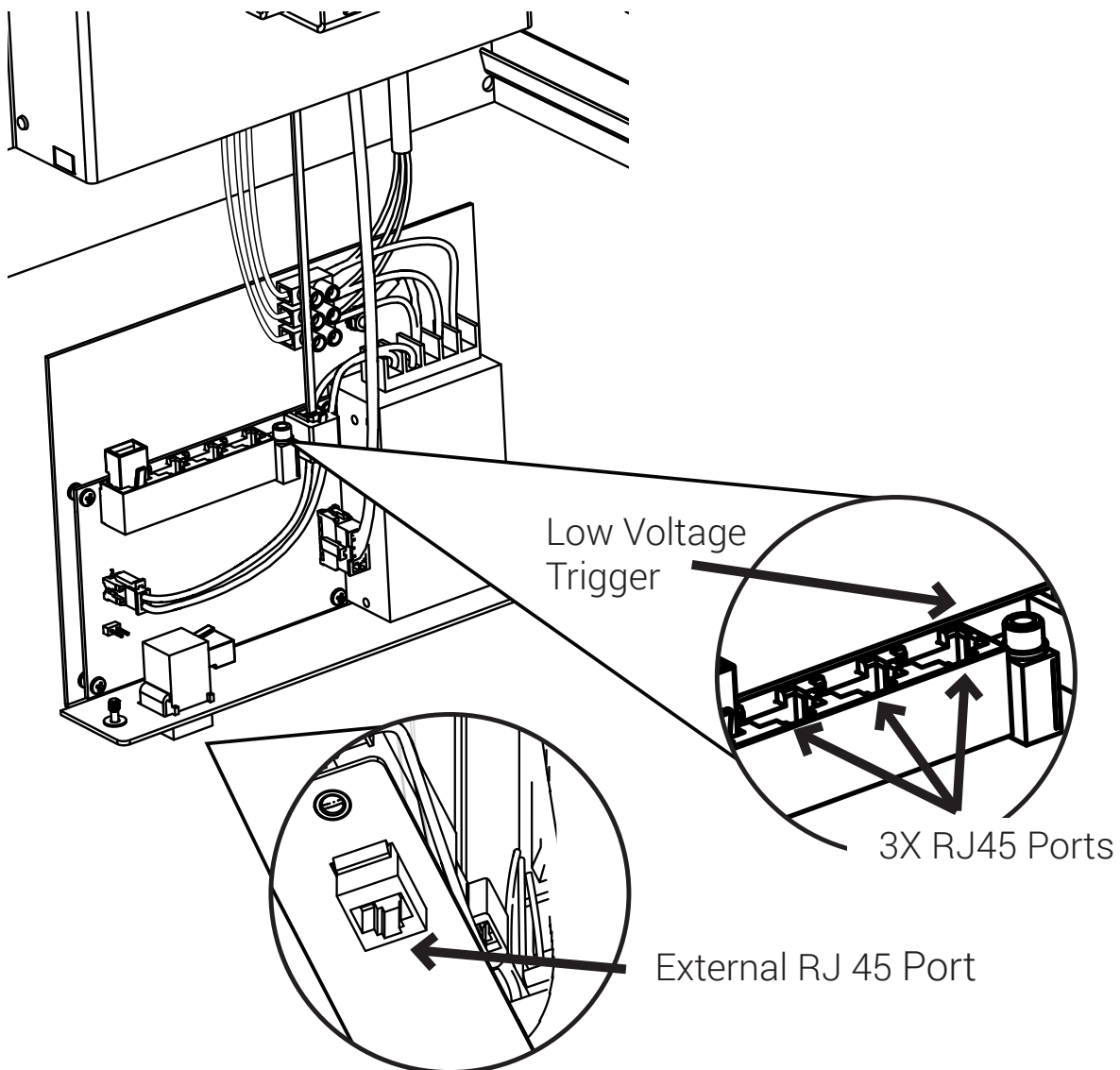
TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH THE APPROPRIATE ELECTRICAL CODES AND REGULATIONS BY A LICENSED ELECTRICAL PROFESSIONAL. DO NOT CONNECT POWER WITH THE CIRCUIT BREAKER ON.

2

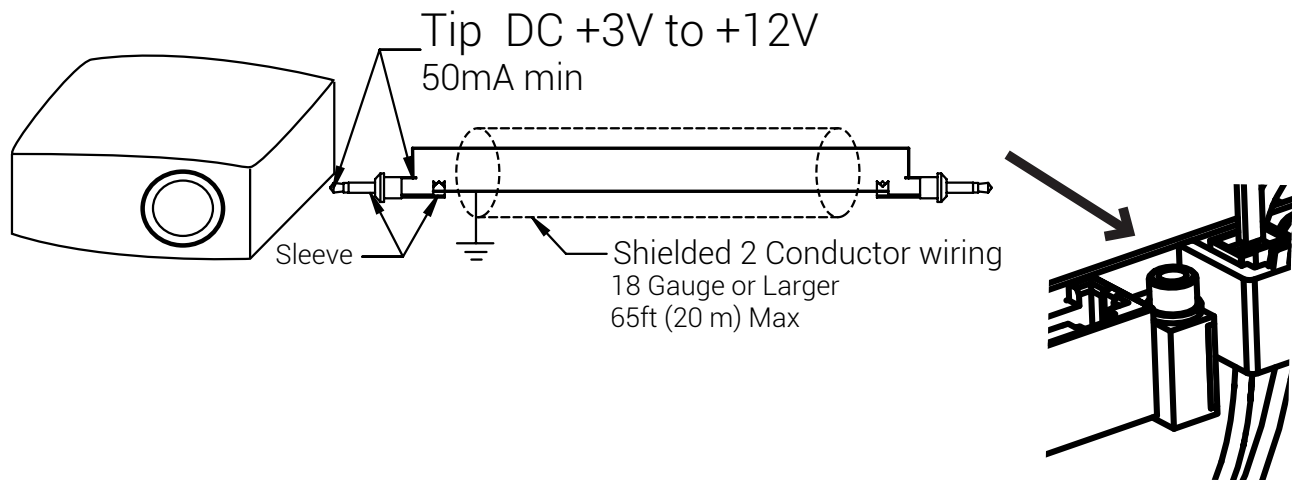
Pass the control cables through the appropriate opening in the case, and connect your AC power cable.



TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH THE APPROPRIATE ELECTRICAL CODES AND REGULATIONS BY A LICENSED ELECTRICAL PROFESSIONAL. DO NOT CONNECT POWER WITH THE CIRCUIT BREAKER ON.

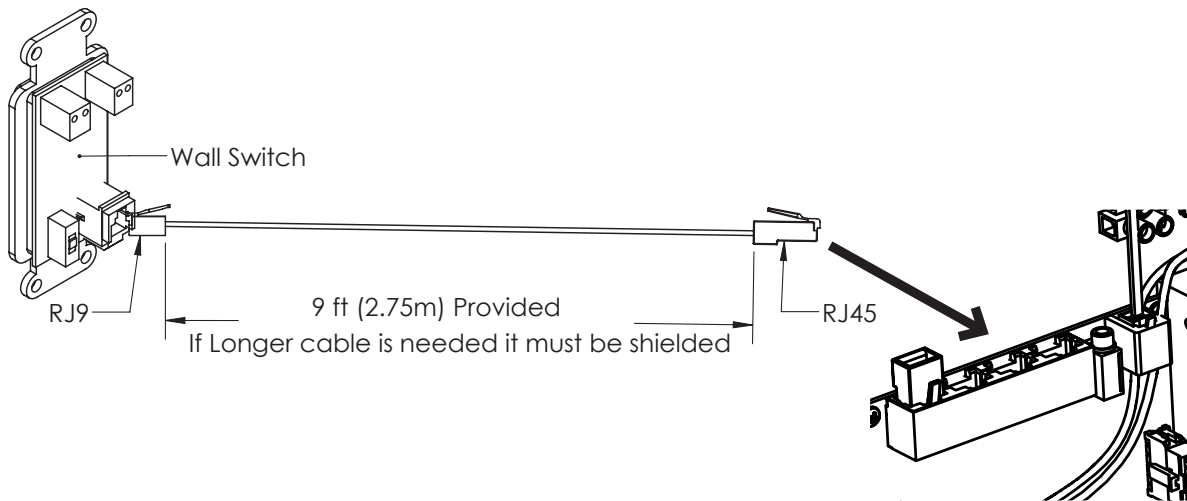


All RJ 45 Ports act the same, and can be used for wall switch, IR Eye, or 3rd Party Control.



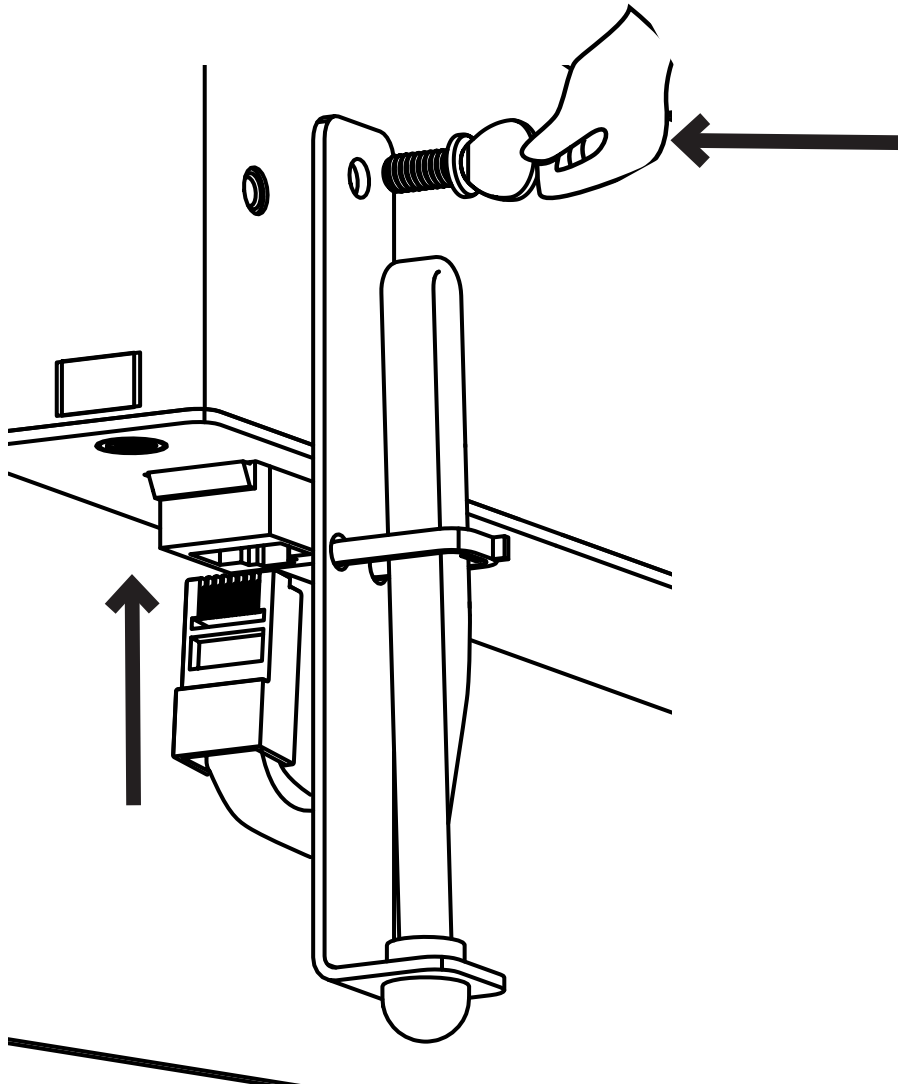
Some projectors may have a low-voltage trigger that will allow your screen to drop when it is turned on. Installer must supply conductor wire in the length and gauge needed..

WALL SWITCH



Wall switch must be used for setup procedures. It must at least be temporarily installed to set the lower limit

Use the supplied cable for all set-up procedures. It is recommended to permanently install the wall switch in an accessible location for future limit setting and troubleshooting procedures. Plug in the RJ45 end into the control center, and plug the smaller RJ9 end into the wall switch.






Connect the IR eye assembly to the case with the thumb screw, then plug into the external RJ45 port.

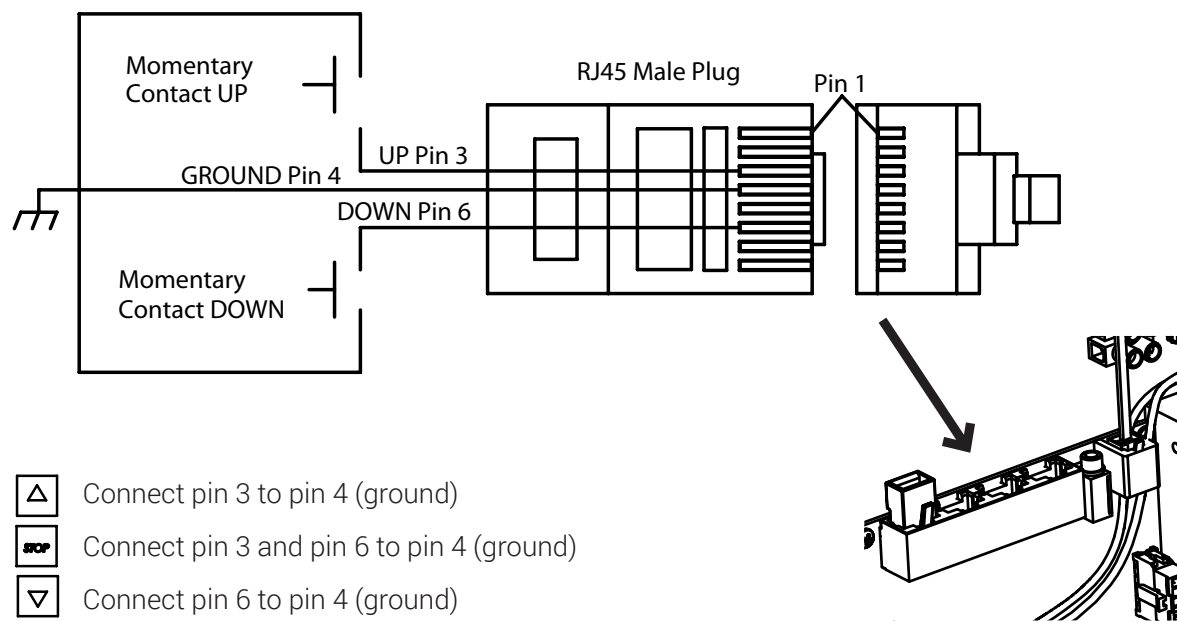
IR Remote Use

- If the IR remote is held down continuously as the screen is moving there is a chance that the screen can stop in-between limits. If this happens simply send another IR signal in the direction it was going to continue its movement.
- If a control system is using an IR blaster to control this screen, make sure to limit the period where it blasts the signal one second or less.

Hex Codes

These codes are to be programmed into 3rd party universal control systems.

	0000 006c 0000 000c 0006 011b 0006 011b 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 011b 0006 08a4
	0000 006c 0000 000c 0006 011b 0006 011b 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 011b 0006 011b 0006 08a4
	0000 006c 0000 000c 0006 011b 0006 011b 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 00bb 0006 011b 0006 00bb 0006 08a4



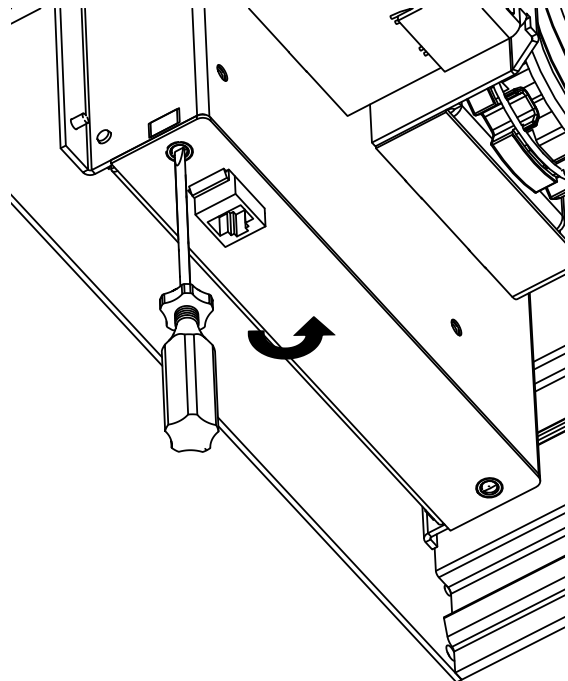
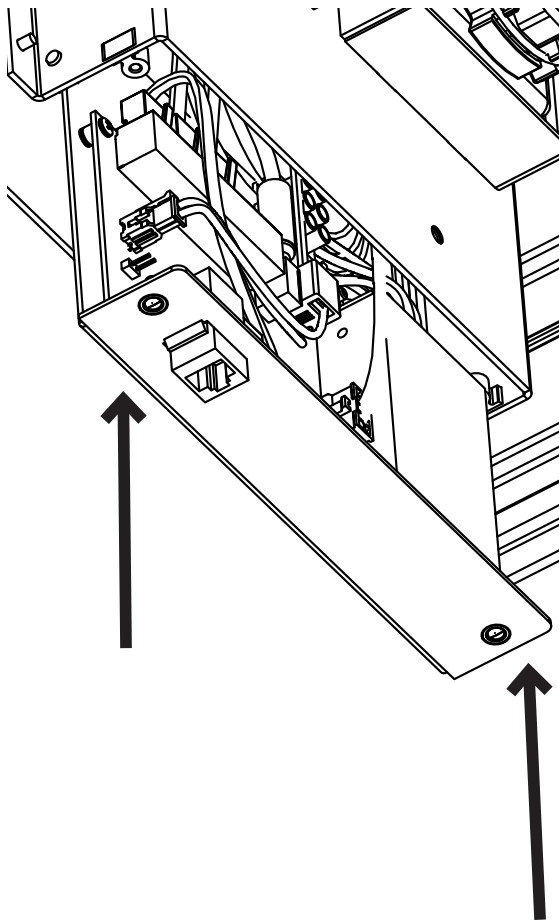
CAT 5	Orange/White	Orange	Green/White	Blue	Blue/White	Green	Brown/White	Brown
Wall Switch	1. Empty	2. Empty	3. Up	4. Ground	5. 5V	6. Down	7. Empty	8. Empty

RJ45 to RJ11	1. Empty	2. Empty	3. Yellow	4. Green	5. Red	6. Black	7. Empty	8. Empty
Wall Switch	1. Empty	2. Empty	3. Up	4. Ground	5. 5V	6. Down	7. Empty	8. Empty

Screen will not function properly if wired incorrectly.

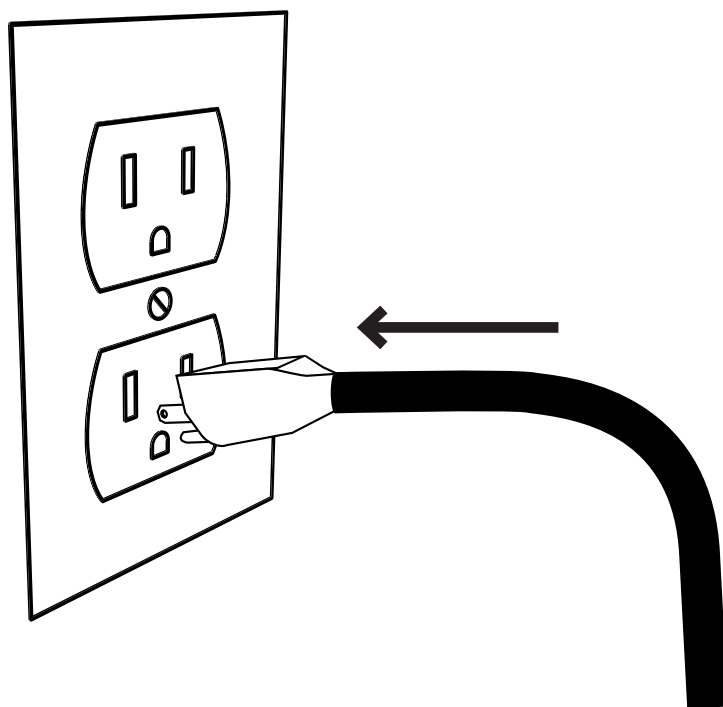
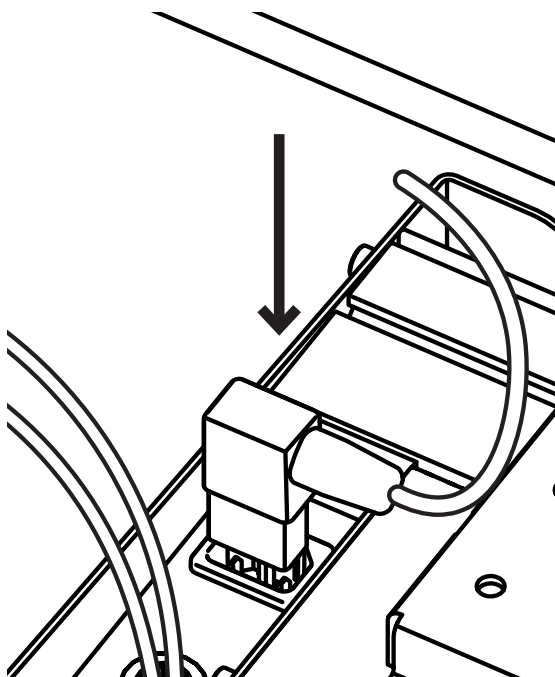


DO NOT FORCE THE CONTROL PANEL. IF IT DOES NOT CLOSE EASILY, REOPEN THE PANEL AND LOOK FOR WIRES OR OTHER OBSTRUCTIONS AND THEN ATTEMPT TO CLOSE IT AGAIN.

3

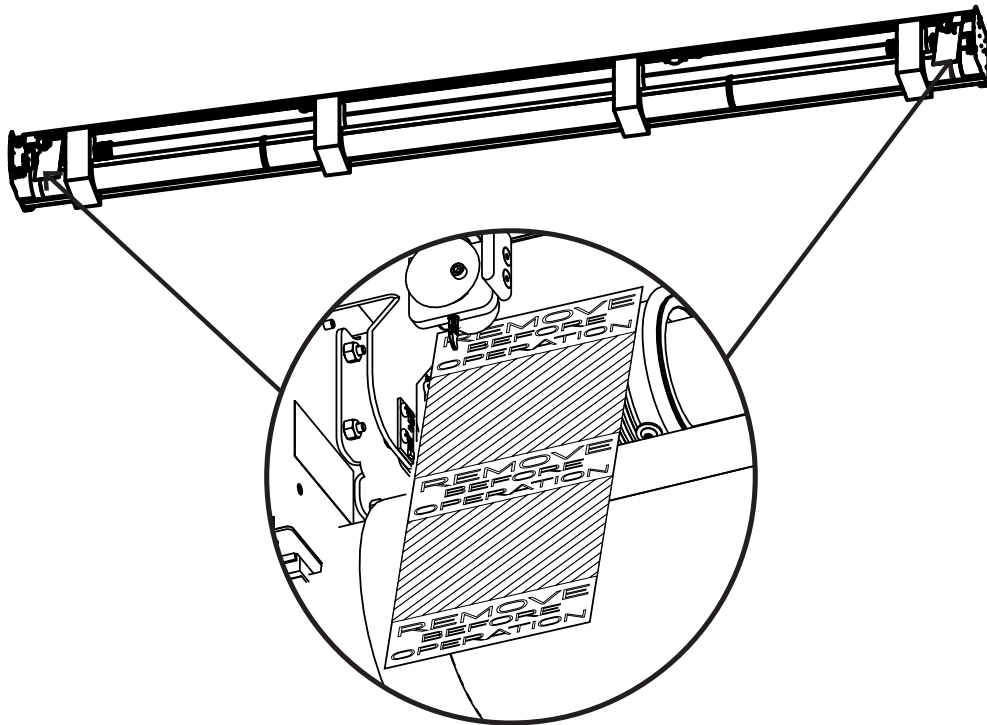
Close the Control Panel.

Carefully push up the control center back into the tray ensuring the cables or motherboard are not damaged. Tighten panel fastening screws.



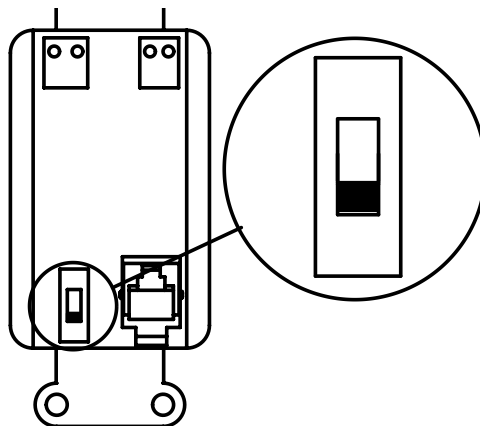
Plug in the power cable to the case and then to a receptacle.
Turn on the main breaker to power screen.

1

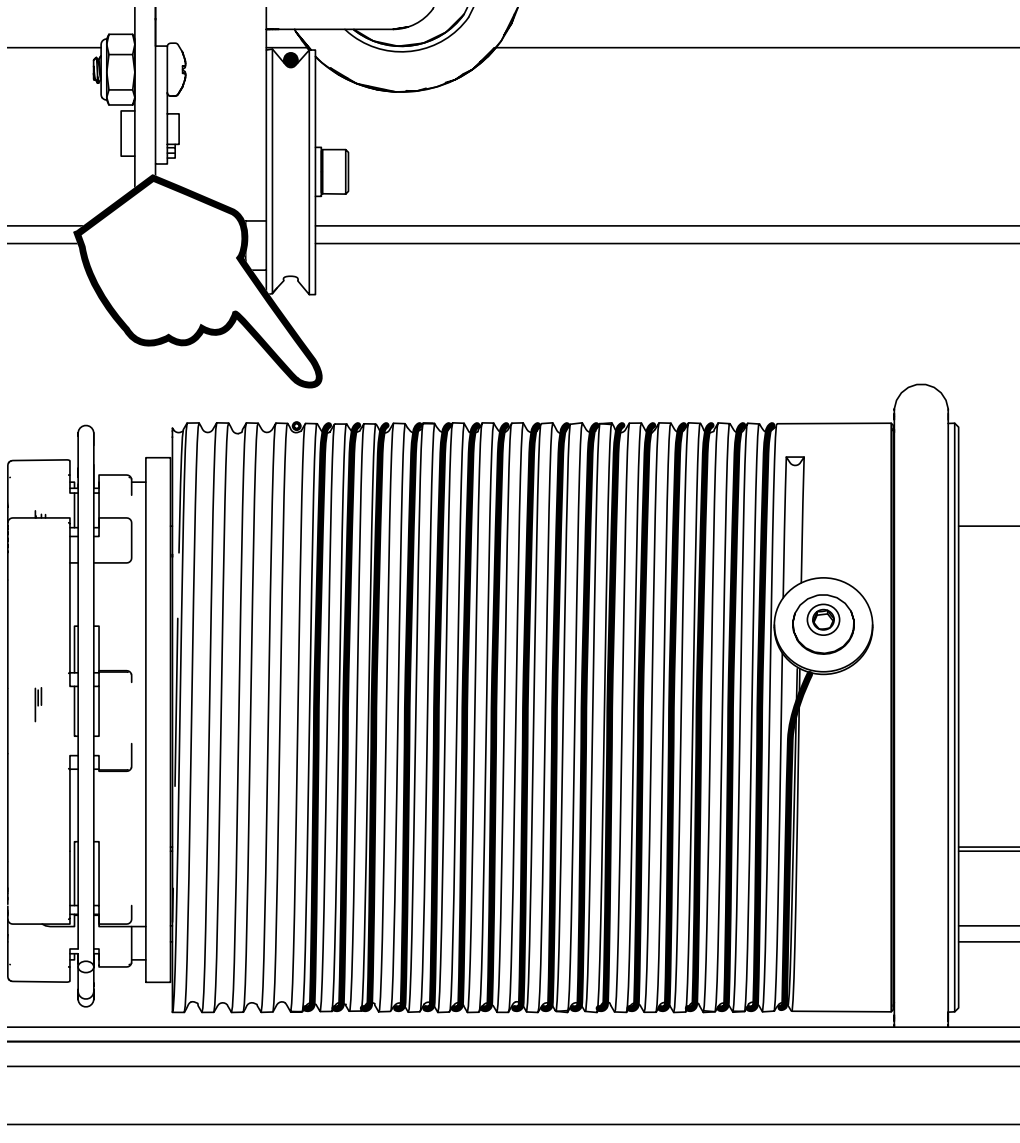


Remove the stickers labeled “*REMOVE BEFORE OPERATING*” that secure the cables to the helix inside the case. Leave the remaining foam in place. It will lower with the screen and be easy to remove later.

2



On the back of the supplied wall switch, move the switch to the down position.



Make sure that the cable is wrapped correctly on both helixes as shown.

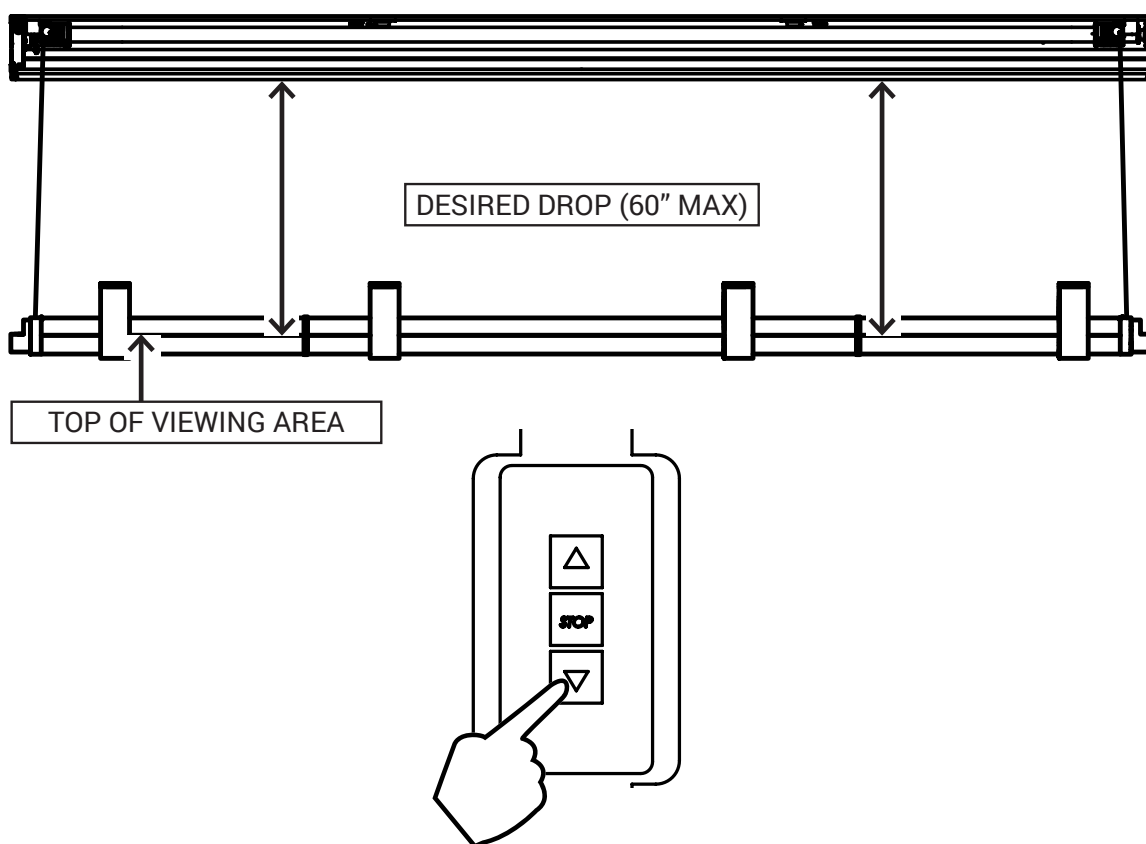


DO NOT EXCEED THE MAXIMUM DROP OF 60-INCHES (152.4 CM).




THE MOTOR IS THERMALLY PROTECTED. IF THE MOTOR STOPS RUNNING DURING SETUP, LET IT COOL DOWN FOR AT LEAST 30 MINUTES BEFORE ATTEMPTING TO RUN IT AGAIN.

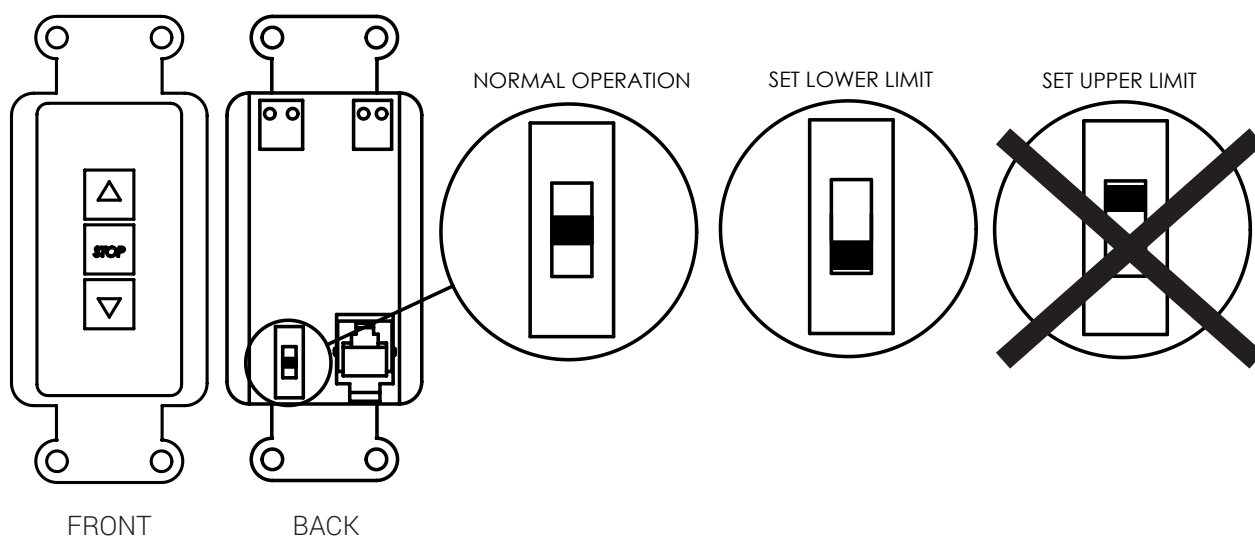
3



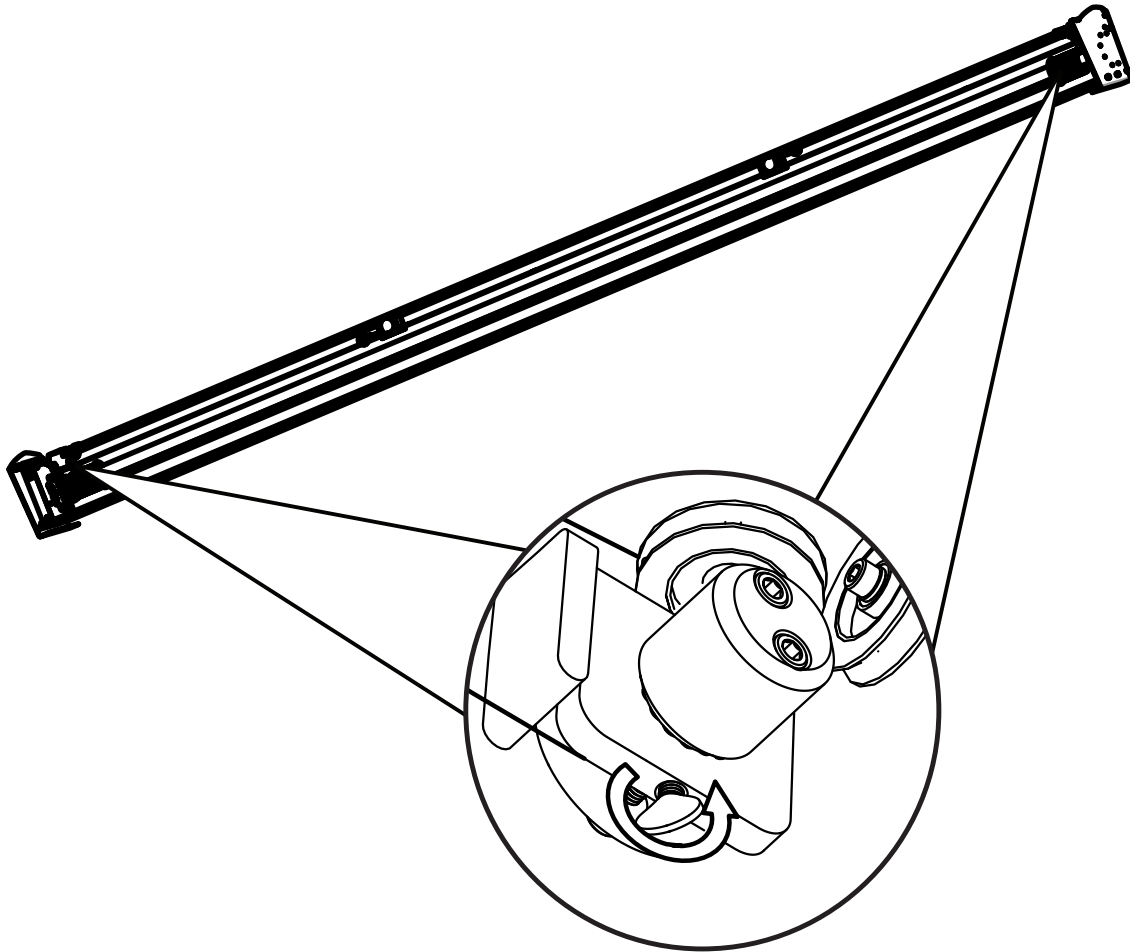
Hold the down button on the remote to drop the screen and release at the desired drop. The top of the viewing area is indicated on the protective tube. **Make sure to remove any foam remaining inside the case if it did not lower with the screen.**



SETTING THE UPPER LIMIT INCORRECTLY COULD DAMAGE YOUR SCREEN. CONTACT SCREEN INNOVATIONS IF YOU ARE HAVING PROBLEMS WITH THE WALL SWITCH.

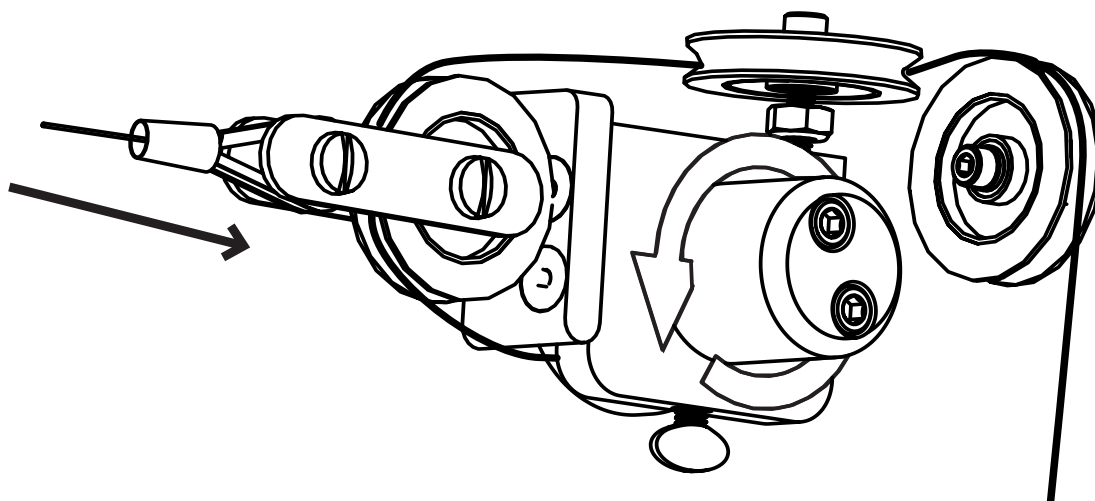


4

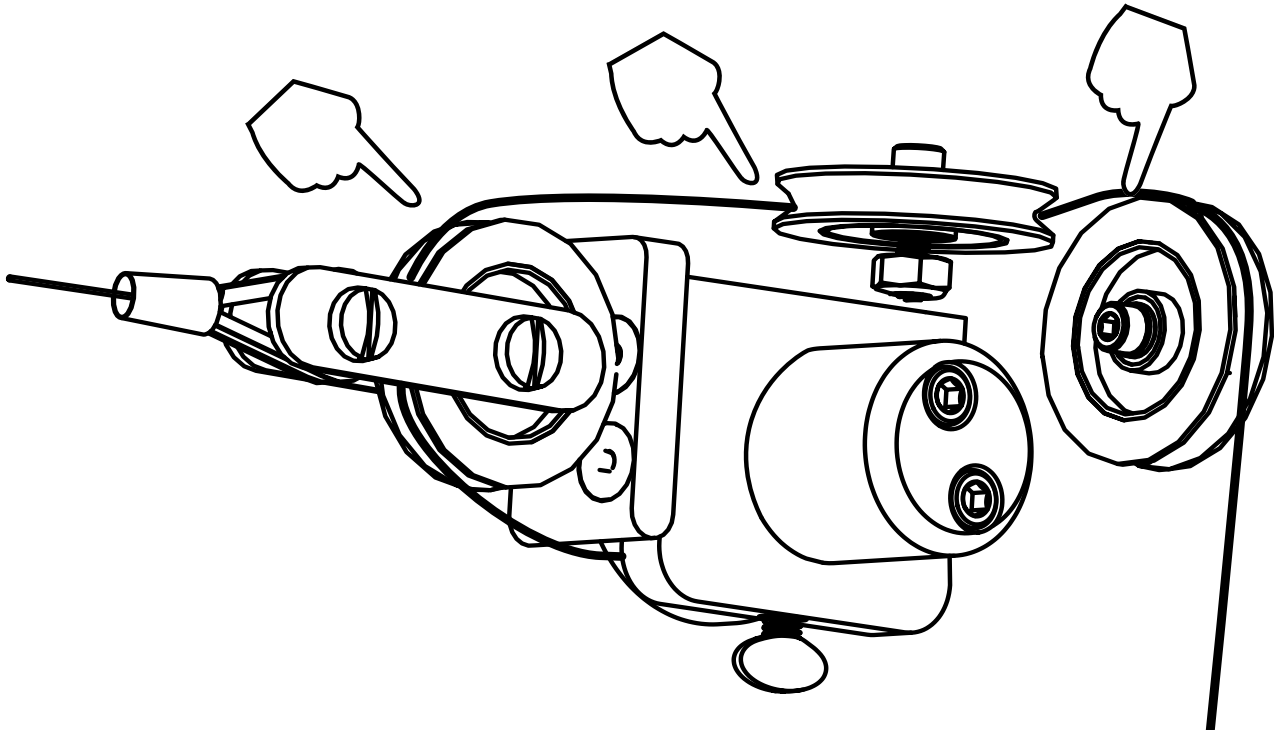


Loosen the thumb screw connected to the wing cable spool.
Perform steps 4 through 6 on both ends of the screen.

5



Turn the knob until the moving pulley is firmly pressed against the stopping plate.

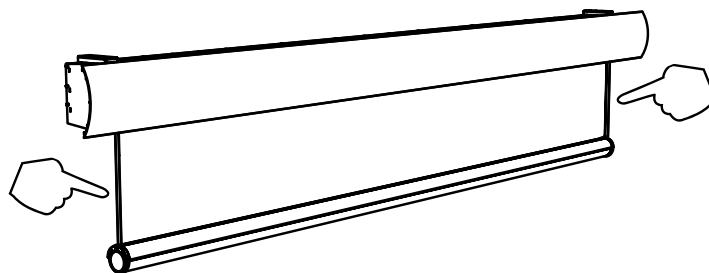
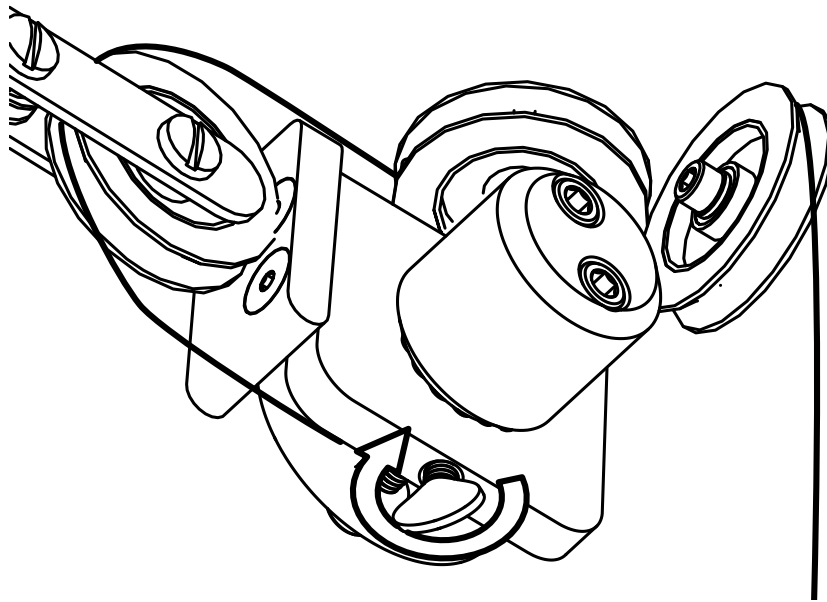


If the cable becomes loose, make sure the it is still set correctly on all pulleys as shown.



THUMB SCREW MUST BE FIRMLY TIGHTENED TO PREVENT THE DROP SETTING FROM CHANGING.

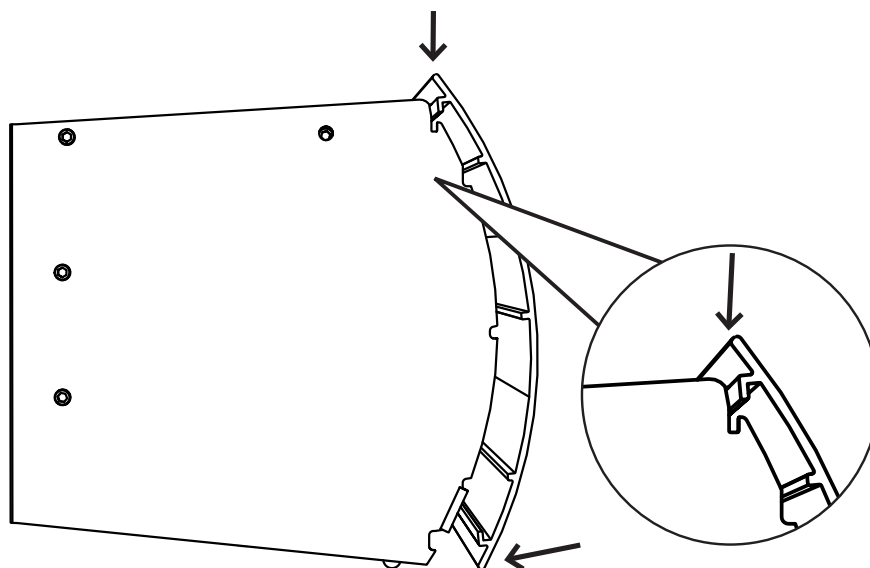
6



Make sure the wing cables both have tension on them. Tighten the thumb screw firmly to secure the wing drop setting.

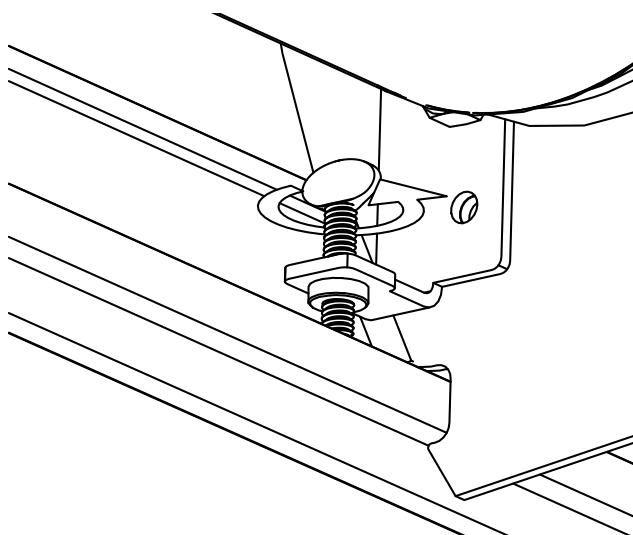
Perform steps 4 through 6 on both ends of the screen.

1



Lift the fascia up onto the case and make sure that the hook at the top engages the slot on the end plate.

2

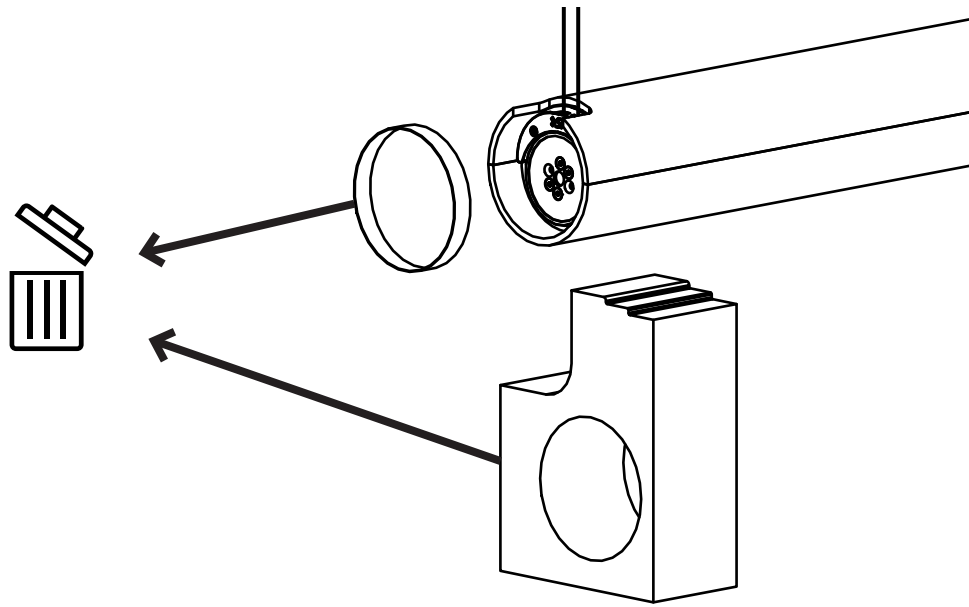


Lock the fascia in place on each side by tightening the thumb screw at each end of the case.



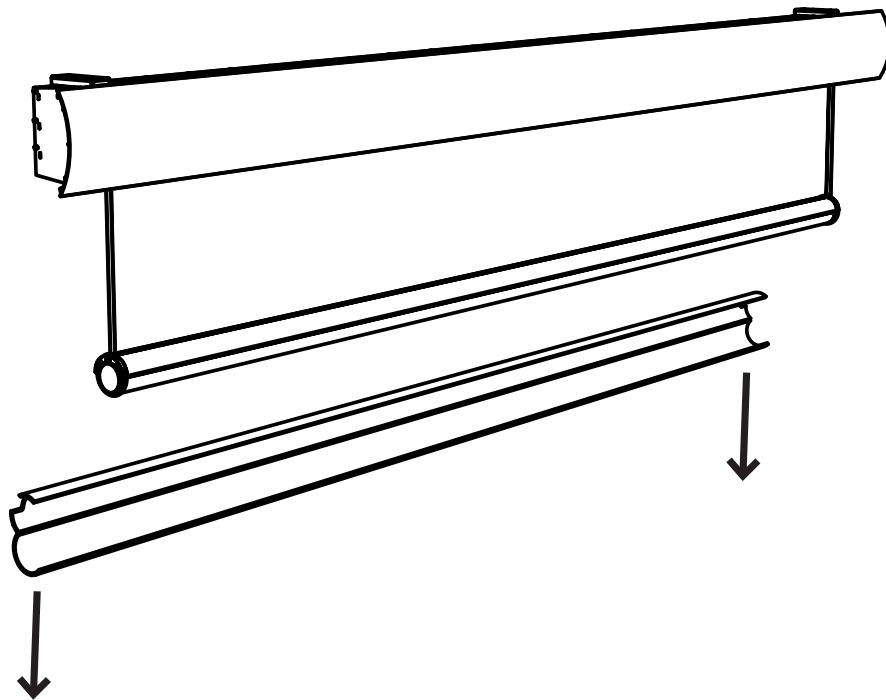
IF YOU ARE HAPPY WITH THE VIEWING AREA HEIGHT THEN YOUR INSTALLATION IS COMPLETE. IF YOU NEED TO CHANGE THE HEIGHT THEN SEE THE FOLLOWING PAGES TO CHANGE THE DROP.

1



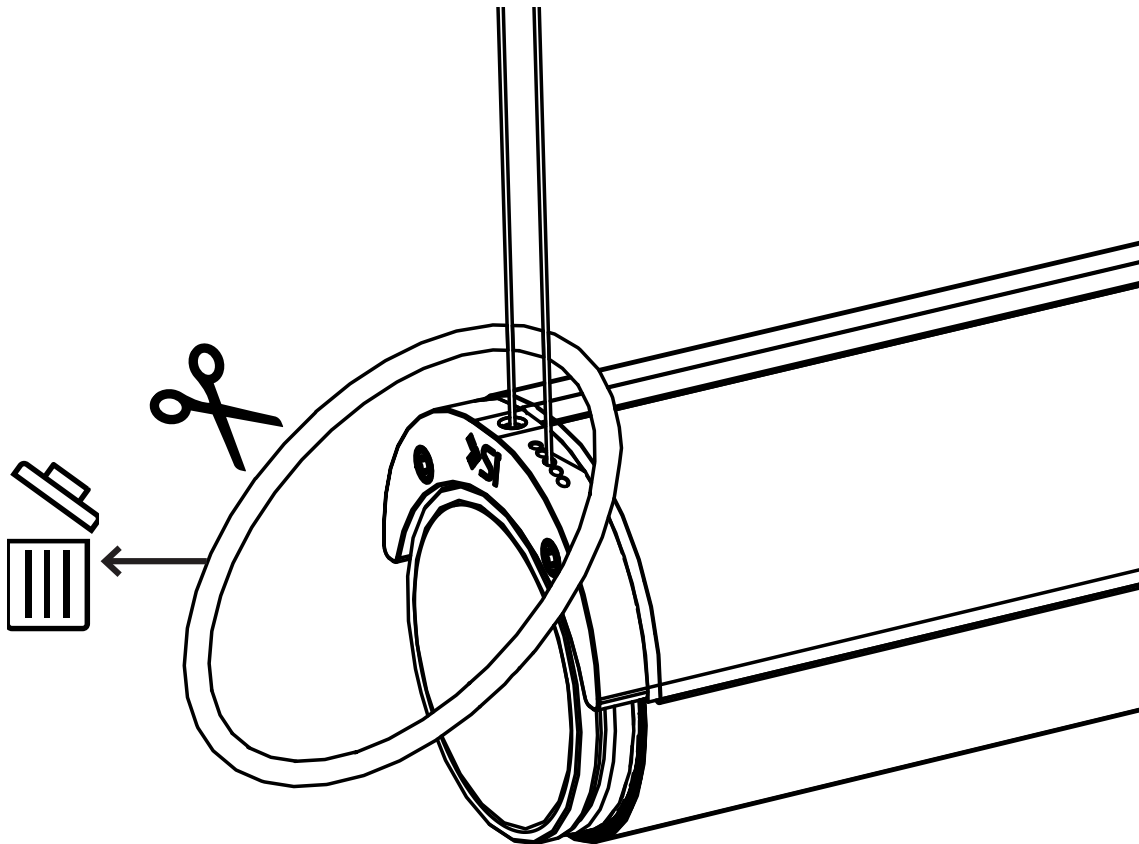
Dispose of all rubber bands, velcro, and foam.

2



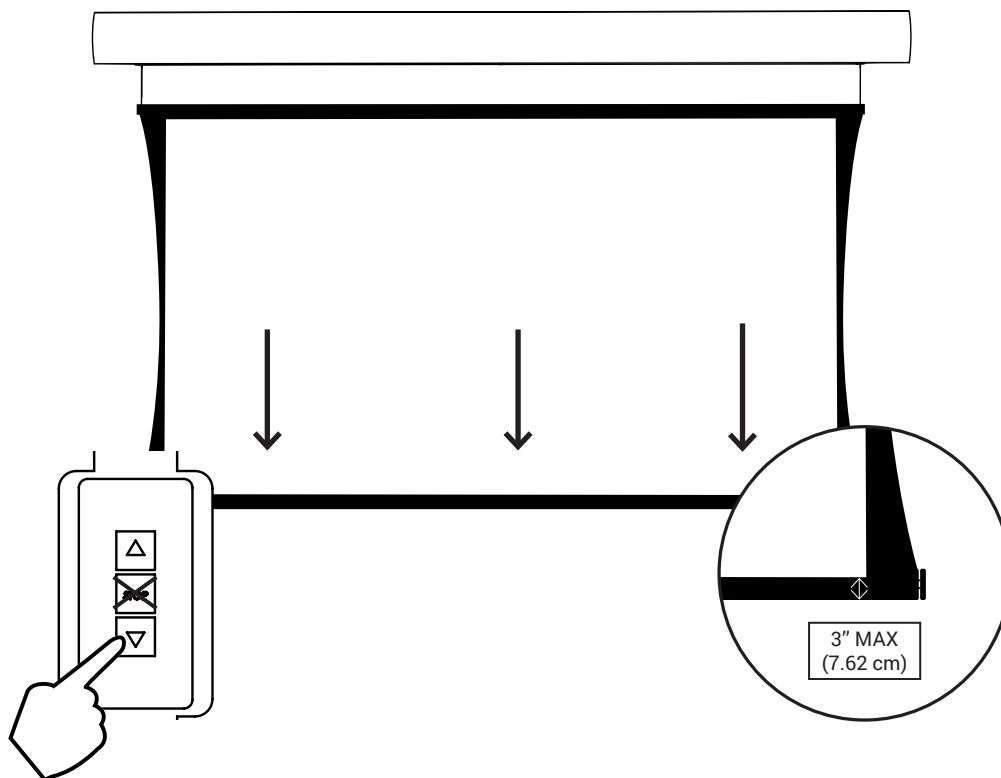
Carefully remove protective tube and foam wrapped around screen inside protective tube making sure to not damage the screen.

3



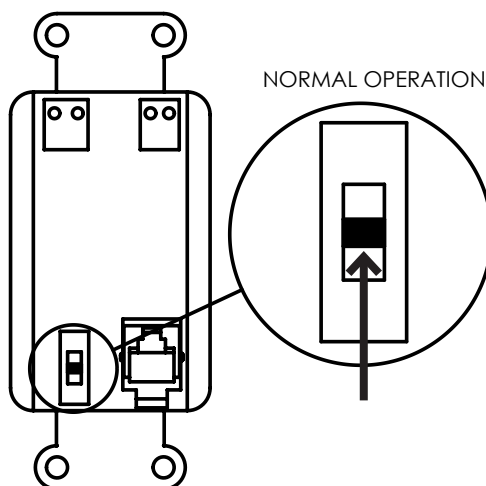
Carefully cut away rubber ring without damaging the screen material.

1



Hold the down arrow on the wall switch until the desired amount of black is showing at the bottom. Do not open the screen past 3" black showing at the bottom.

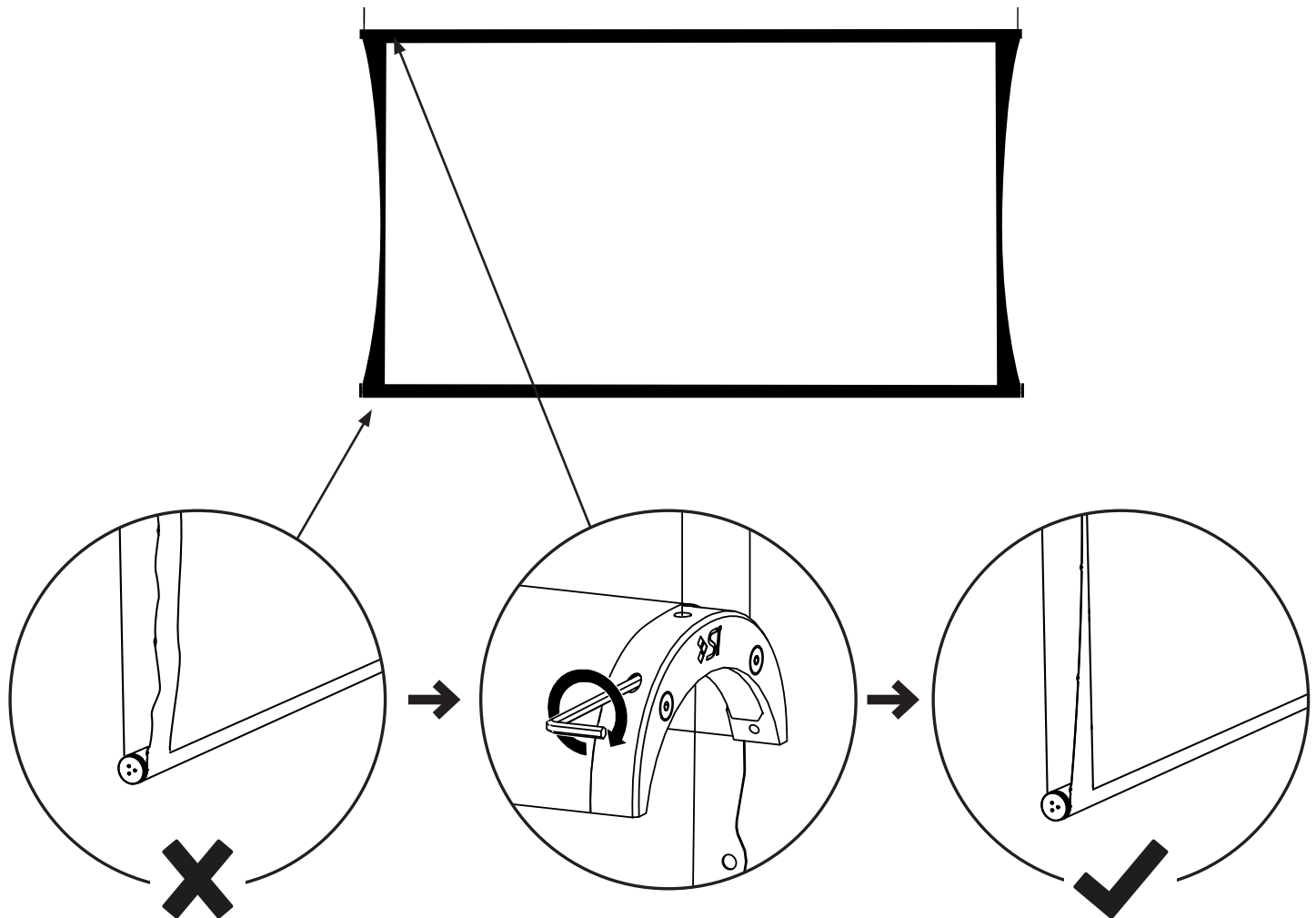
2



Move the switch located on the back of the controller to normal operation.



TURNING THE WING ADJUSTMENT SCREW COUNTERCLOCKWISE PAST THE FACTORY SET POSITION CAN RESULT IN THREADING THE SCREW OUT OF THE ADJUSTER INSIDE THE WING AND WILL BE DIFFICULT TO THREAD BACK IN.



If the screen is loose on one side. Then use the small L key to turn the wing adjustment screw **CLOCKWISE** on the **LOOSE** side until the screen material tightens up to visually match the other side. As a final check measure the wing to bottom tube distance on both sides and make sure they are equal within 1/8".

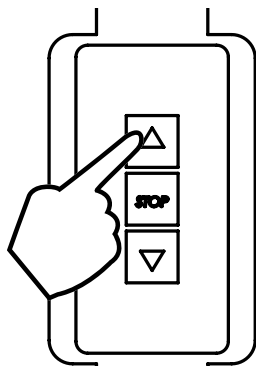
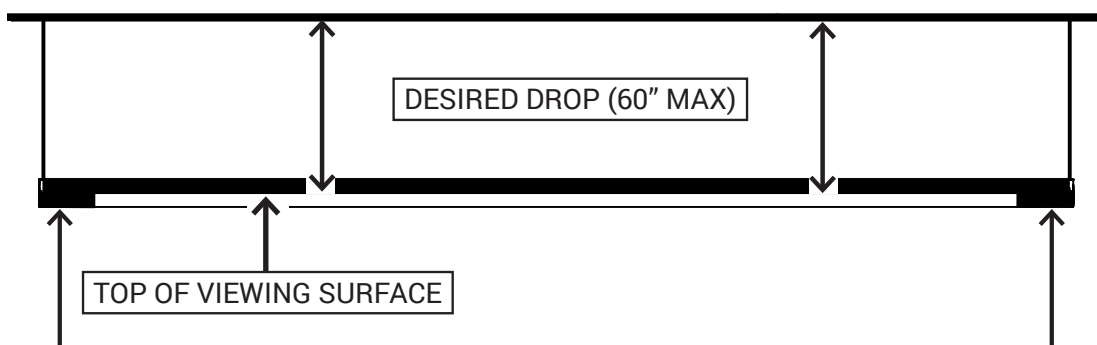


IF YOU ARE HAPPY WITH THE VIEWING AREA HEIGHT THEN YOUR INSTALLATION IS COMPLETE. IF YOU NEED TO CHANGE THE HEIGHT THEN SEE THE FOLLOWING PAGES TO CHANGE THE DROP.



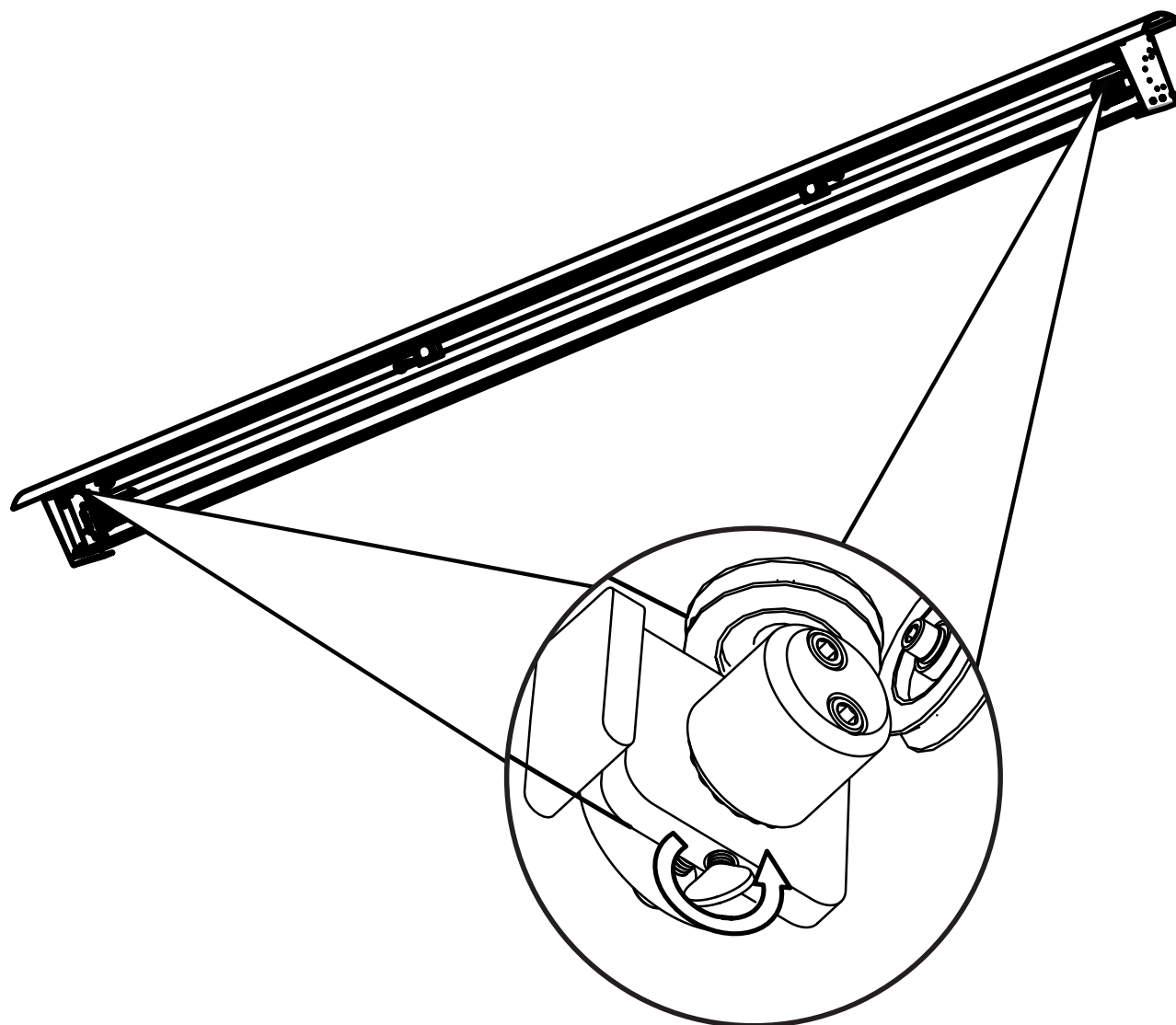
THE MOTOR IS THERMALLY PROTECTED. IF THE MOTOR STOPS RUNNING DURING SETUP, LET IT COOL DOWN FOR AT LEAST 30 MINUTES BEFORE ATTEMPTING TO RUN IT AGAIN.

1



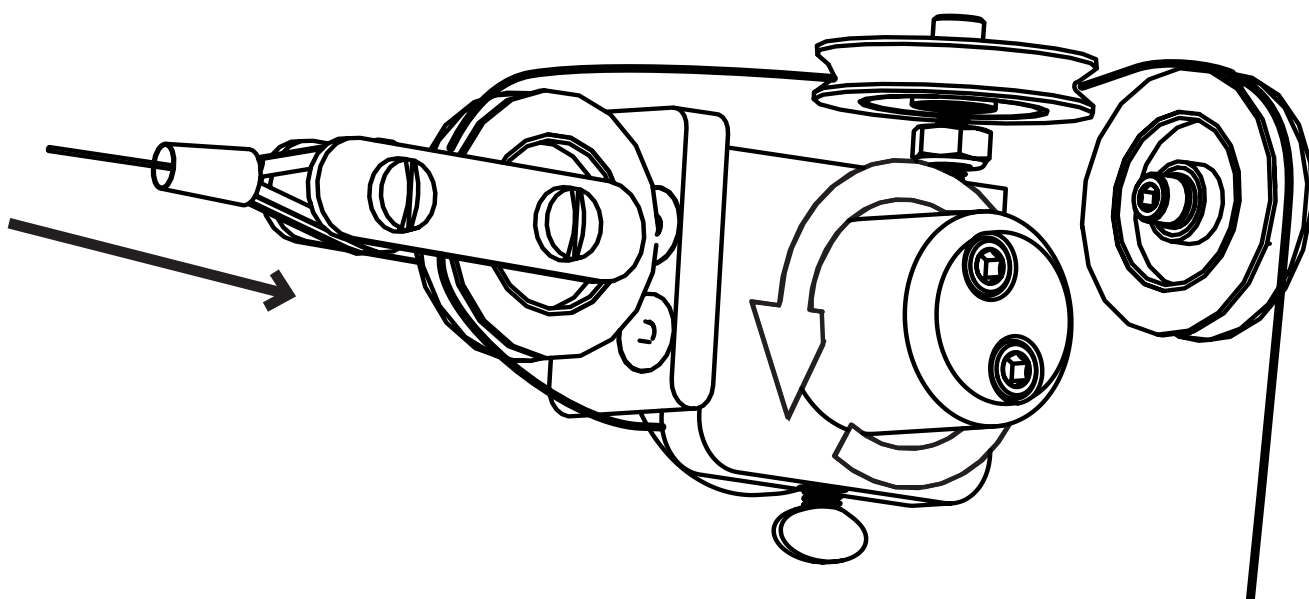
Hold the up button on the wall switch to raise the screen to the desired viewing height. Release the up button when the top of the viewing area is at the desired location.

2

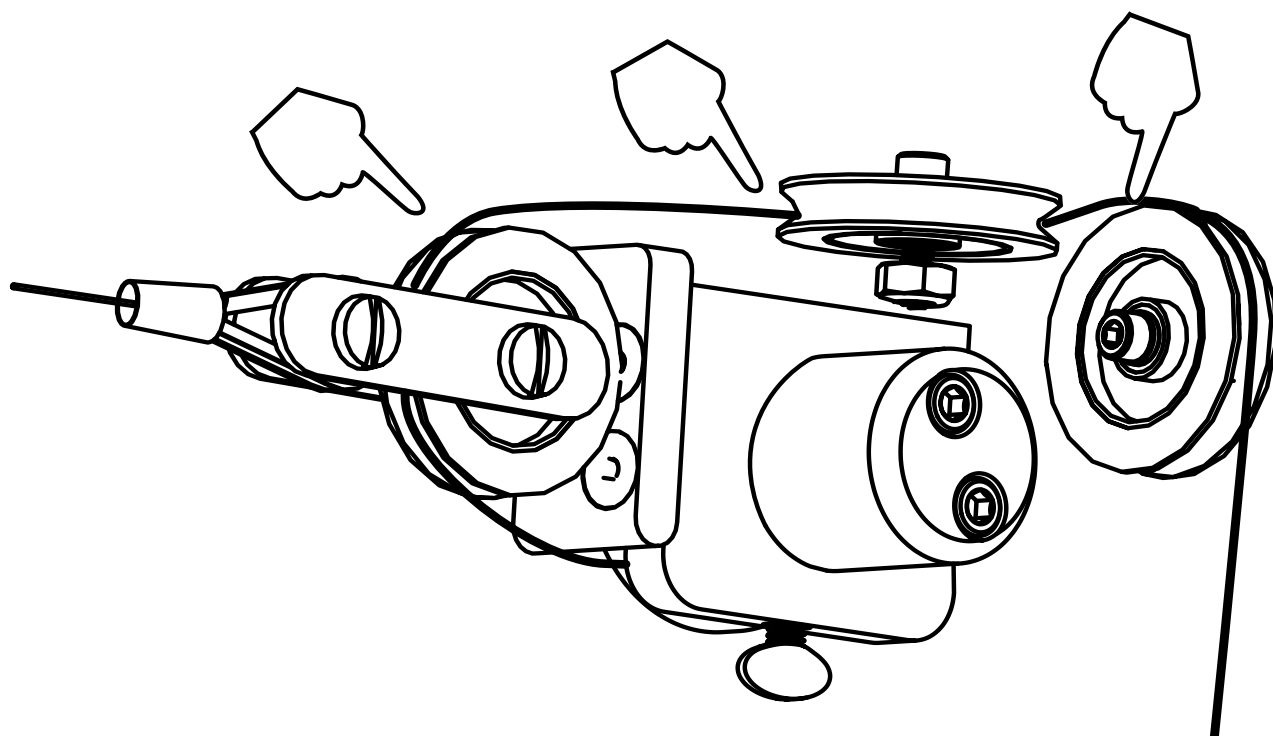


Loosen the thumb screw connected to the wing cable spool.

3



Turn the knob until the moving pulley is firmly pressed against the stopping plate.

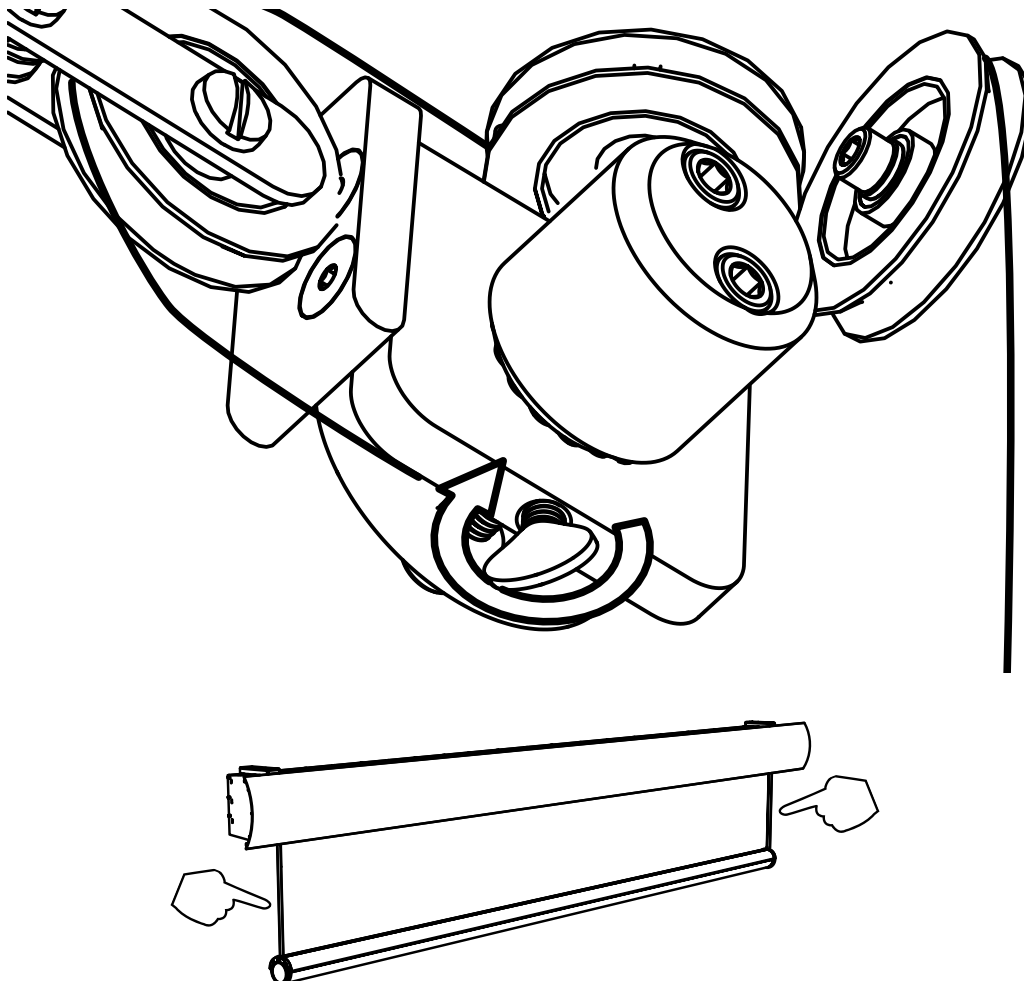


If the cable becomes loose, make sure it is still set correctly on all pulleys as shown.



THUMB SCREW MUST BE FIRMLY TIGHTENED TO PREVENT THE DROP SETTING FROM CHANGING.

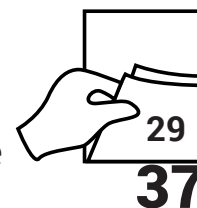
4



Make sure the wing cables both have tension on them. Tighten the thumb screw firmly to secure the wing drop setting.

Perform steps 2 through 4 on both ends of the screen.

To reset lower limit turn to page



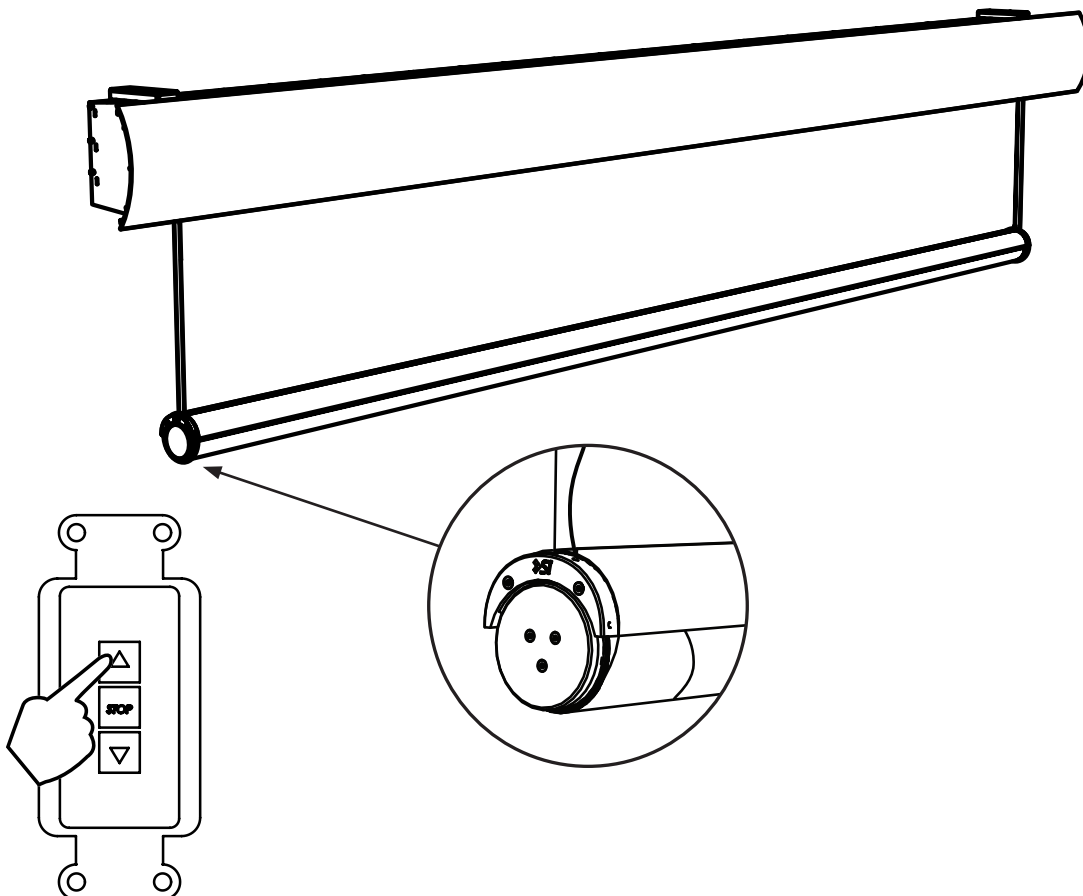


DO NOT EXCEED THE MAXIMUM DROP OF 60-INCHES (152.4 CM).



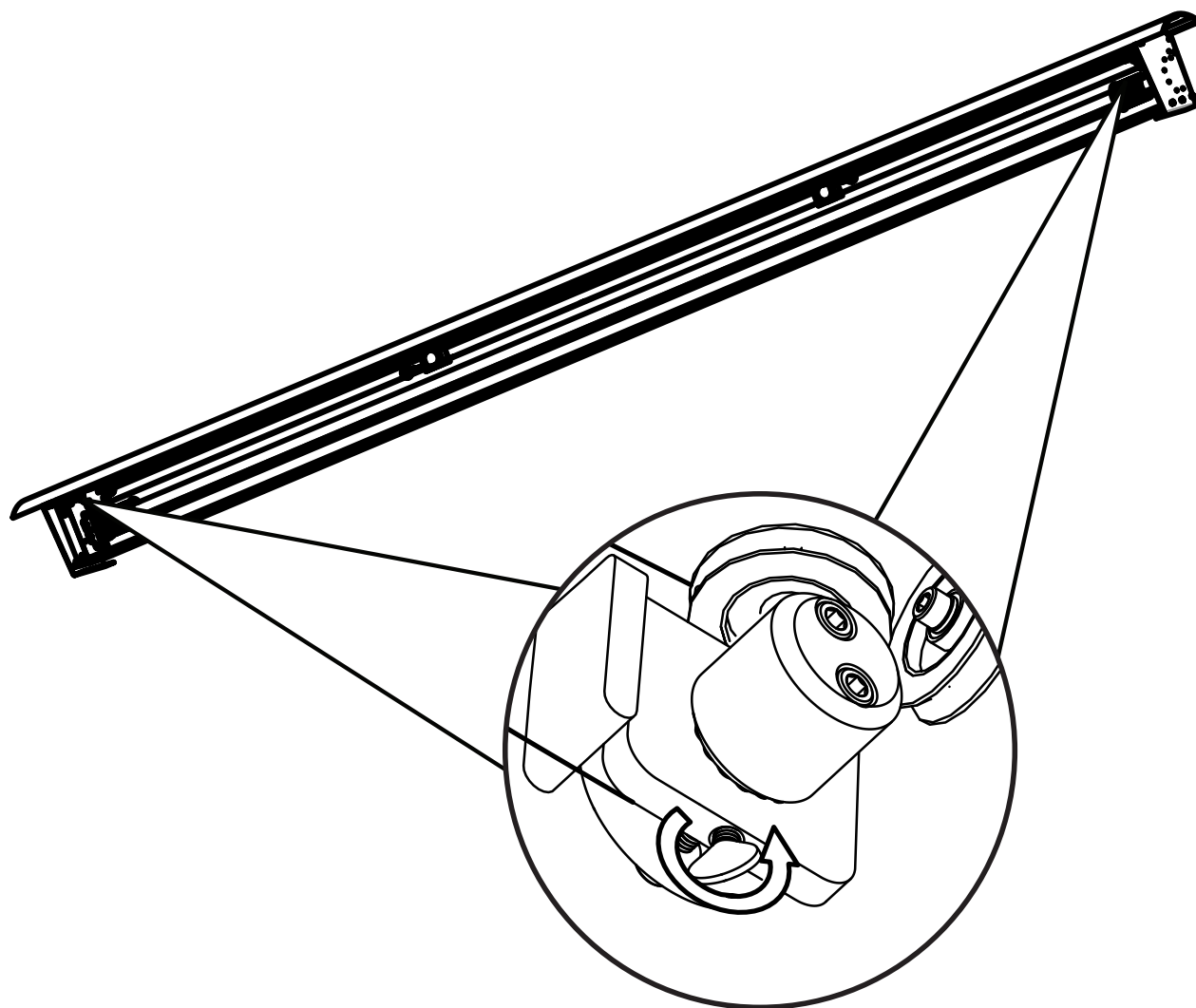
THE MOTOR IS THERMALLY PROTECTED. IF THE MOTOR STOPS RUNNING DURING SETUP, LET IT COOL DOWN FOR AT LEAST 30 MINUTES BEFORE ATTEMPTING TO RUN IT AGAIN.

1



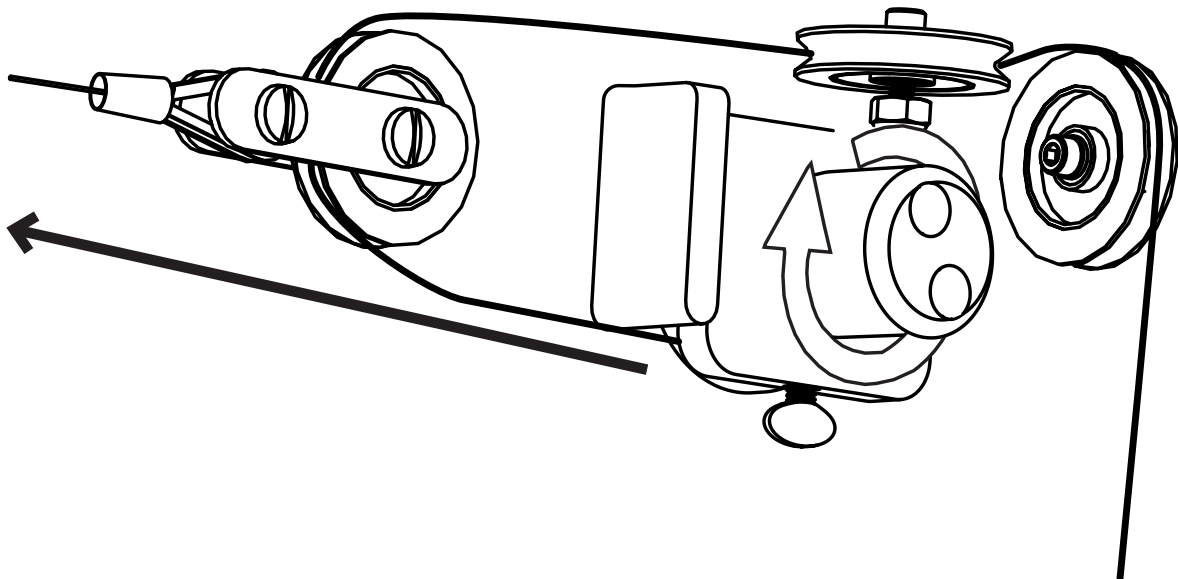
Hold the up button on the wall switch to raise until it is nested in the wing, and tension has been taken off of the wing cable.

2



Loosen the thumb screw connected to the wing cable spool.

3

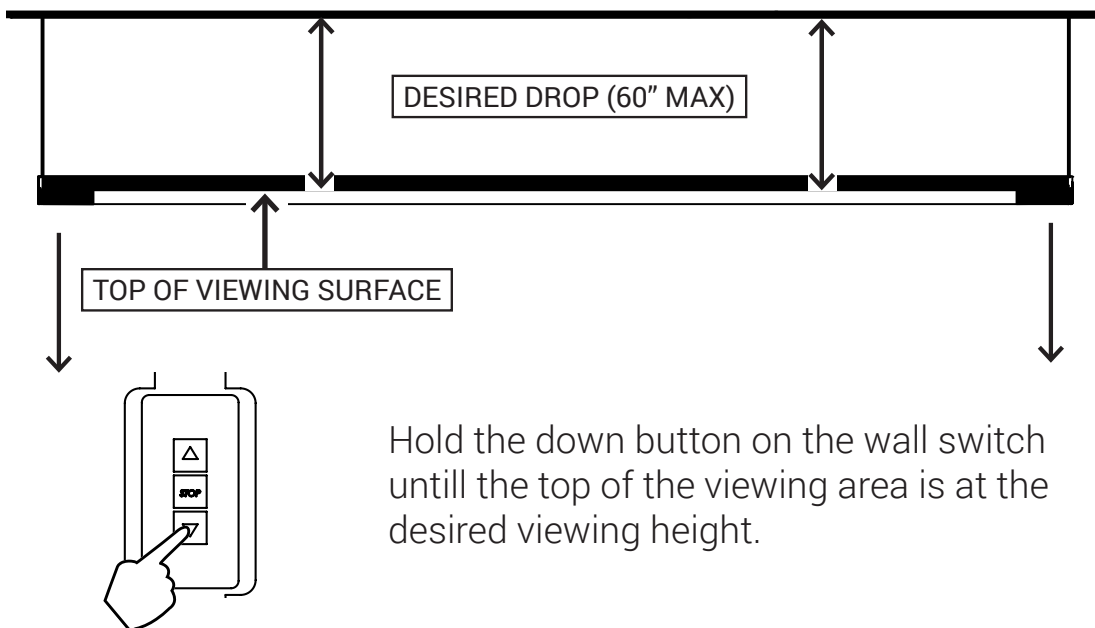


Turn the knob to allow the pulley to move away from the stopping block. Make sure to unwind more cable than you will need to lower the screen to the desired drop. **Perform steps 2 through 6 on both ends of the screen.**



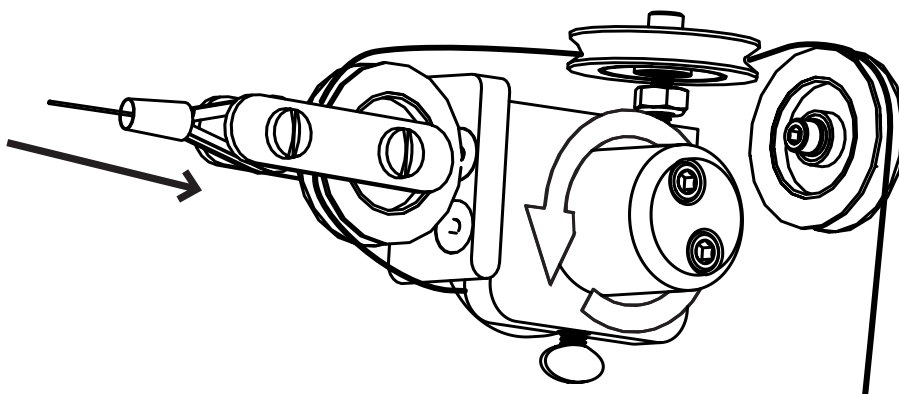
IF YOUR SCREEN BEGINS TO OPEN ON EITHER SIDE BEFORE YOUR DESIRED VIEWING HEIGHT, GO BACK TO STEP 2 ON PAGE 31 AND RELEASE MORE WING CABLE.

4

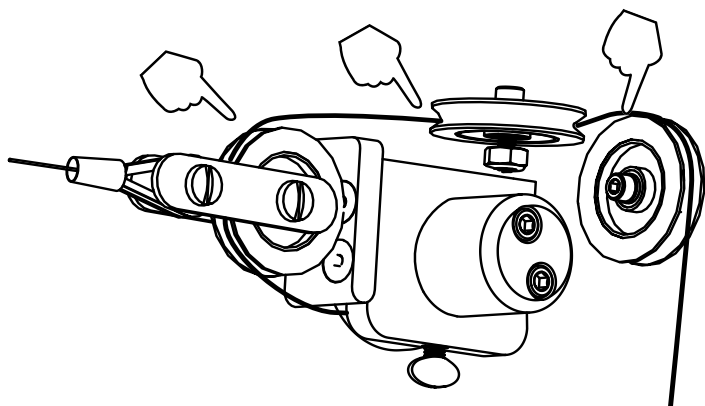


Hold the down button on the wall switch until the top of the viewing area is at the desired viewing height.

5



Turn the knob until the moving pulley is firmly pressed against the stopping plate.

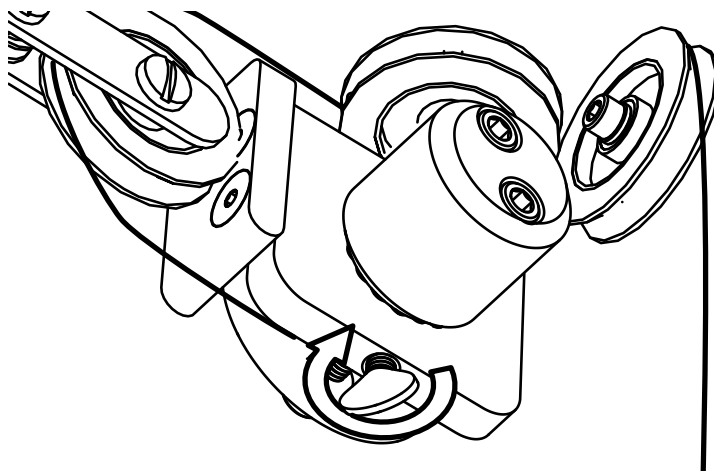


If cable becomes loose make sure the it is still set correctly on all pulleys as shown.

6

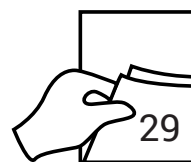


THUMB SCREW MUST BE FIRMLY TIGHTENED TO PREVENT THE DROP SETTING FROM CHANGING.



Make sure the wing cables both have tension on them. Tighten the thumb screw firmly to secure the wing drop setting.

To reset lower limit turn to page





NEVER SCRUB, USE SOLVENTS, OR ANY ABRASIVE
SUBSTANCE THAT MIGHT DAMAGE THE MATERIAL.

Slate® & Pure®

Suggested Method:

Microfiber cloth towel
and distilled water
applied with lightly
rubbing the surface until
the spot is removed.

Alternate Method:

Can be cleaned with a
microfiber cloth. Mix a
solution of 1oz simple
green to 20ozs water.
You can lightly rub the
surface until the spot is
removed.

Please allow 10 minutes
of drying time before
retracting motorized
screens.

Refer to the following guidelines if you encounter a difficulty in the operation of your Screen Innovations product. Problems related to electrical or motor function may require a qualified service person or electrician.

Should you have a problem that is not addressed here, call:
Screen Innovations (512-832-6939.)

Problem Description	Probable Cause	Action to Take
Motor shuts off. Motor has been in use for more than 2 minutes.	Motor is designed for short operations(lowering and retracting), not continuous duty. Longer operation causes the motor to overheat and shutoff. This typically happens during installation when testing the screen.	Allow the motor to cool down. Complete cooling can take an hour or more. Heat gain is cumulative and takes time to dissipate. If motor use is initiated before it has cooled completely, the motor will shut down again when it reaches maximum temperature.
Dirt, fingerprints, marks, etc. on screen surface.	Improper handling of screen.	Follow the the cleaning instructions outlined in the Screen Care and Cleaning Section
Indentations appear on screen surface.	Debris or particles clinging to the screen due to static cling.	Check both sides of the screen for dust or debris. Wipe the back of the screen with a clean damp cloth. Also, lightly brush off the front of the screen.
Screen won't operate.	No AC power available.	Check to see if the circuit breaker has switched off. Reset if needed. Check outboard switching apparatus. Check voltage availability. Contact an electrician.

LIFETIME REPLACEMENT POLICY

Thank you for purchasing a genuine Screen Innovations product! We are **100%** committed to your satisfaction and welcome your feedback. Please retain this page for your records.

New SI products carry a standard 1-year parts and labor warranty. Older products are covered by our Lifetime Replacement policy.

To activate your Lifetime Replacement Policy, simply “Like” us on Facebook and/or “Follow” us on Twitter, and by all means, tell us about your SI experience! If you do not use Facebook or Twitter, you can submit your information online:

www.screeninnovations.com/forms/lifetime-replacement-policy/



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