

*Instruction Book For
Boardroom Electrol*



The
POWER *In*
PRESENTATION PRODUCTS



DA-LITE SCREEN COMPANY, INC.

3100 North Detroit Street
Post Office Box 137
Warsaw, Indiana 46581-0137
Phone: 219/267-8101
800-622-3737
Fax: 219/267-7804
[http:// www.da-lite.com](http://www.da-lite.com)
e-mail: info@da-lite.com

IMPORTANT SAFETY INSTRUCTIONS

When using your video equipment, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions before using.
2. Position the cord so that it will not be tripped over, pulled, or contact hot surfaces.
3. If an extension cord is necessary, a cord with a current rating at least equal to that of the appliance should be used. Cords rated for less amperage than the appliance may over-heat.
4. To reduce the risk of electric shock, do not disassemble this appliance. Contact an authorized service dealer when repair work is required. Incorrect reassembly can cause electric shock when the appliance is used subsequently.
5. The use of an accessory attachment not recommended by the manufacturer may cause a risk of fire, electric shock, or injury to persons.

SAVE THESE INSTRUCTIONS

PRE-INSTALLATION

1. Carefully unpack screen and remove outer wrapping from case.
2. Make sure to recheck measurement of screen location before installation.
3. Remove center support brackets, reverse brackets and reinstall flush with the top of the box.

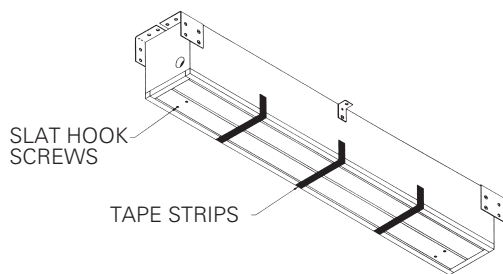


FIGURE 1

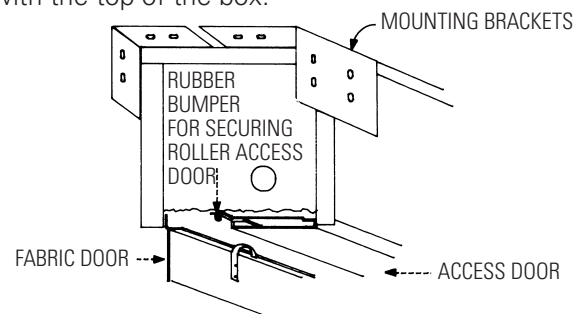


FIGURE 2

INSTALLATION

1. Install screen by raising unit into position between joists at one end only. Install one lag screw in each mounting bracket. Secure opposite end. Secure center support brackets.
2. Level unit lengthwise with a carpenter's level and plum level.

CAUTION! Do not secure access door or seal in unit until screen has been secured in position and properly tested for satisfactory operation. Do not fit unit so tightly that the screen surface drop door binds. Door drops by gravity only.

3. If you are going to cover screen door with paneling or other materials, allow access (suitable holes or plug) to slat hook screws (4) when servicing (Fig. 1).
4. Remove screw from rubber bumper at each end of roller access door (Fig. 2).
5. Remove junction box cover plate.

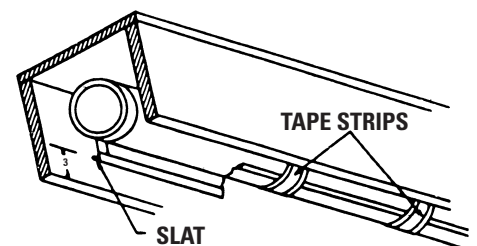


FIGURE 3

INSTALLATION

6. Install electrical hook up that applies to your unit. Make sure to review your wiring diagram for either 120 volt switch, 220/240 volt switch, or DRC low voltage control.

NOTE: Screen has been internally wired at DA-LITE. Wiring designated "external" is completed by installer conforming to local and national codes.

CAUTION! DO NOT CUT TAPE ON FABRIC WITH KNIFE OR ANY SHARP TOOL. REMOVE BY HAND.

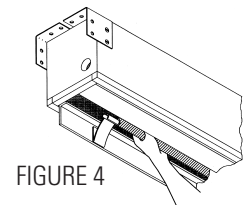


FIGURE 4

7. Carefully remove tape strips securing picture surface around roller. Slat pocket should move freely (Fig. 3).
8. Lower picture surface approximately 4"-6" so that the slat will rest on top of the slat hooks. Gently lift slat up and ease it under the slat hooks (Fig. 4).

NOTE: Do not allow slat to become obstructed on door closing hooks attached to surface door. When rolled down, the picture surface should wrap fully around the roller. No part of the roller should be exposed. Picture surface will automatically stop in the down position.

9. Test installation by carefully running picture surface up and down several times. Be prepared to stop screen.
10. Run the picture surface upward. The surface door will automatically close when the picture surface rolls into the case. The ends of the slat will catch the two hooks on the surface door and pull the door closed. When the door closes, a limit switch is tripped and the motor shuts off.
11. Check for satisfactory condition by operating screen a few times.

CAUTION! Excessive continuous operation may cause overheating.

ACCESS DOOR INSTALLATION

1. Run picture surface downward until picture surface door fully opens.
2. Install junction box cover plate.
3. Close access door.
4. Install rubber bumper screws at each end of access door.

CAUTION! Do not attempt to restore a lost wrap by adjusting limit switches. Allow one-eighth of an inch (1/8") clearance around surface door. Make sure door does not bind. Check hinges. Paint or tile cement will interfere with free operation. Gravity drops door.

5. Complete installation by painting and finishing to suit your needs.

SCREEN ADJUSTMENT

Surface travel is stopped automatically in the fully opened and closed positions by limit switches that are properly adjusted at Da-Lite. Should it be necessary to adjust for more or less drop of picture, proceed in the following manner:

NOTE: Use a screw driver or allen wrench to make adjustments.

MORE SCREEN DROP

1. Place operating switch in "down" position.
2. When the screen stops, turn the white "down" limit knob (Fig.5) one-quarter turn counterclockwise. Test by raising picture surface approximately two feet, then lower again. Repeat until desired picture surface position is attained.

LESS SCREEN DROP

1. Raise picture surface approximately two feet above desired level.
2. Place operating switch in "off" position.
3. Turn the white "down" limit knob (Fig. 5) one-quarter turn clockwise. Test by raising picture surface approximately two feet, then lower again. Repeat until desired picture surface position is attained.

If the surface door does not close flush with the roller access door, it may become necessary to adjust the door limit switch (Fig. 5). Turn the adjusting knob counterclockwise in increments of one-quarter turn until the surface door is flush with the roller access door.

CAUTION! Do not over adjust. This will place unnecessary strain on the fabric slat pocket and could cause damage to the screen surface.

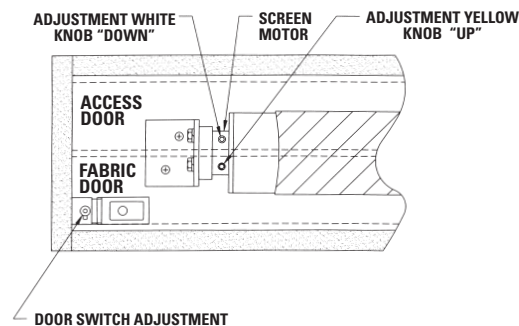
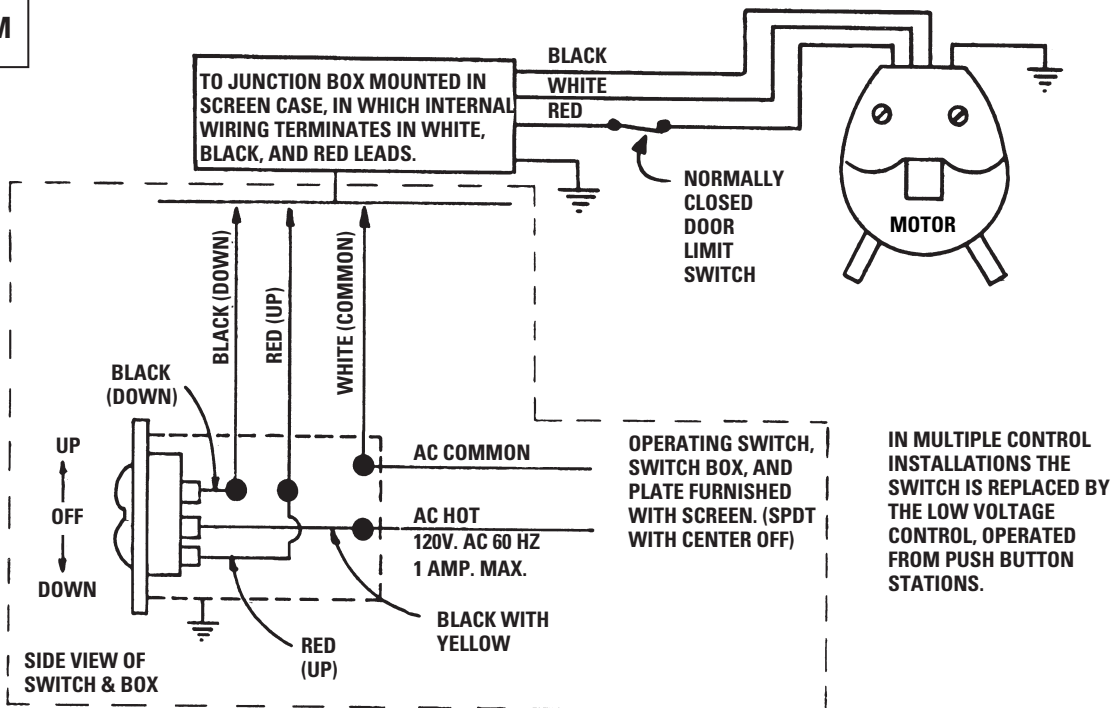


FIGURE 5

BOARDROOM ELECTROL INSTALLATION

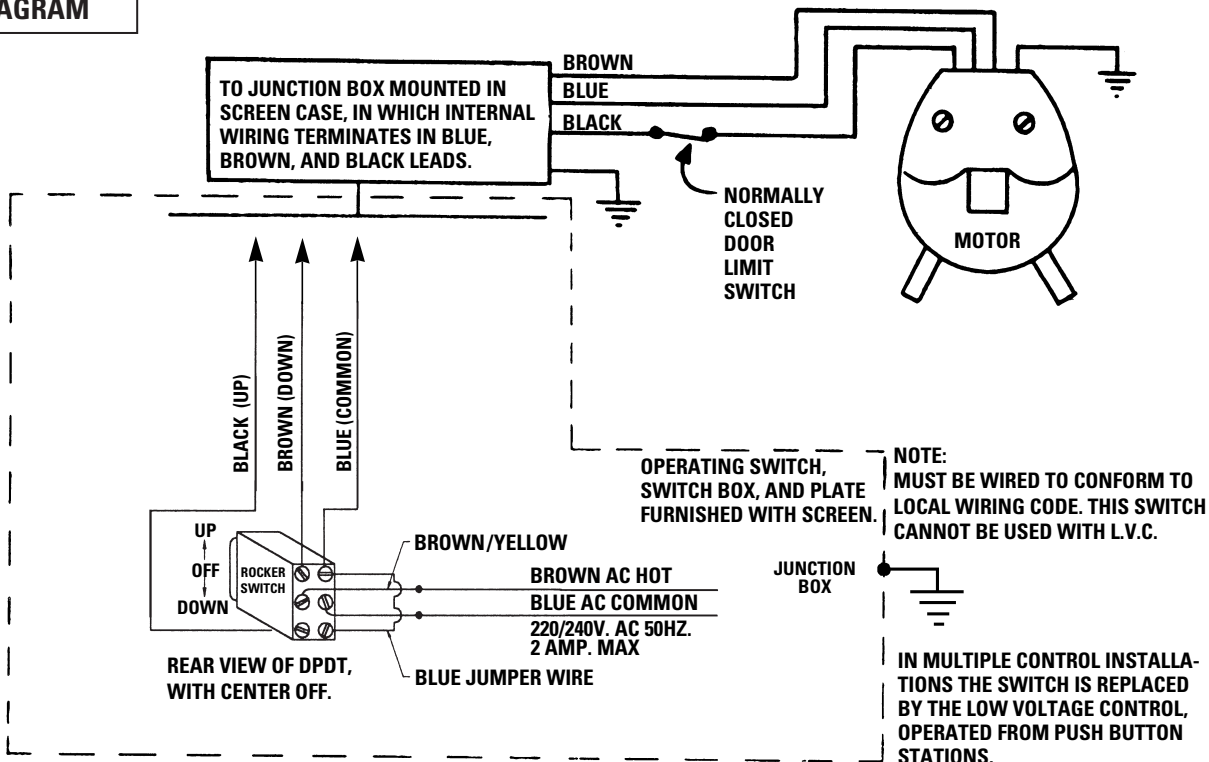
120V WIRING DIAGRAM



THIS SWITCH CANNOT BE USED WITH L.V.C.

NOTE: A SINGLE SWITCH CANNOT BE USED TO OPERATE MORE THAN ONE SCREEN. CONTACT THE FACTORY FOR FURTHER INFORMATION.

220 / 240V WIRING DIAGRAM

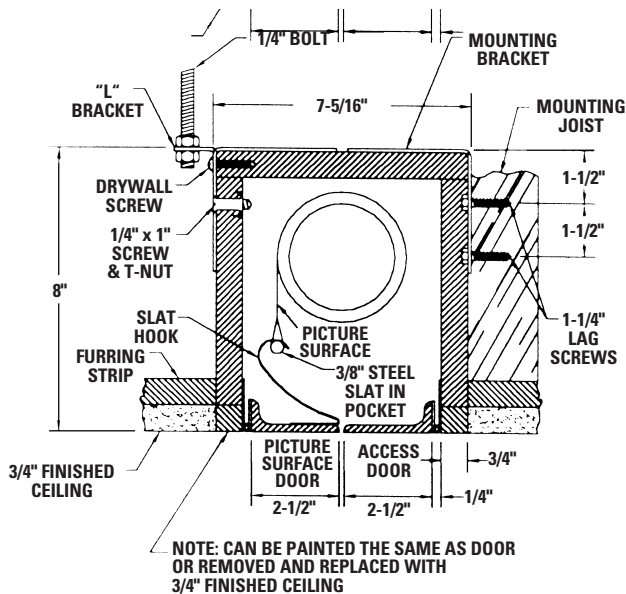


NOTE: A SINGLE SWITCH CANNOT BE USED TO OPERATE MORE THAN ONE SCREEN. CONTACT THE FACTORY FOR FURTHER INFORMATION.

BOARDROOM ELECTROL INSTALLATION

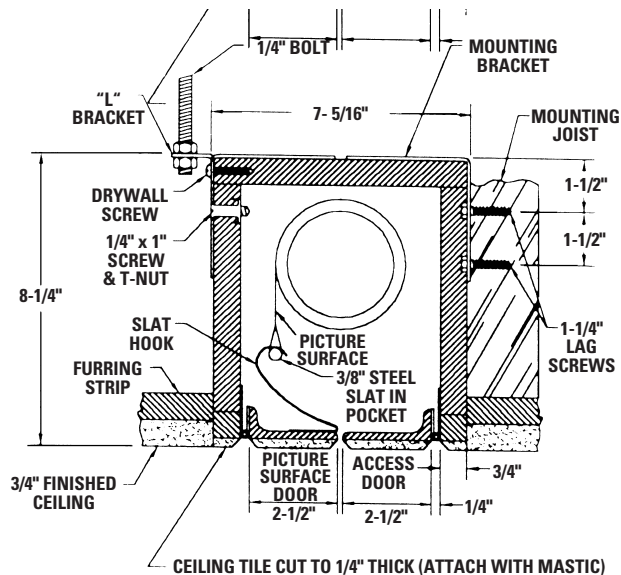
Select installation method according to ceiling type.

METHOD A



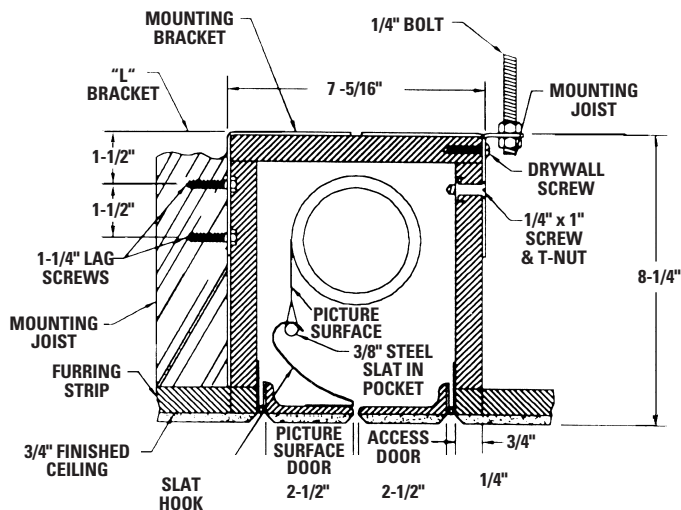
Offset mounting, recessed above ceiling. For plaster, dry wall, tile or paneling. Doors and bottom of case painted same finish as ceiling.

METHOD B



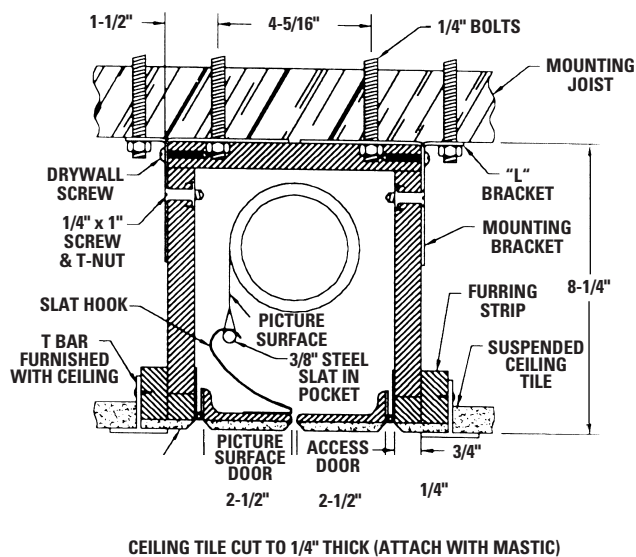
Offset mounting, recessed above ceiling. May be adapted for 3/4 inch ceiling, but cut to 1/4 inch thick under doors and screen case.

METHOD C



Flush mounting, recessed above ceiling. May be adapted for 1/4 inch paneling for ceiling and doors.

METHOD D



Flush mounting, recessed above ceiling. For use with dropped ceiling. May also be adapted for use with acoustical or other ceiling 3/4 inch thick but cut to 1/4 inch thick under doors and screen case.

TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
<p>1. Screen will not operate or will not go "down." Motor does not hum.</p> <p>Motor hums.</p>	<p>(a) Blown fuse.</p> <p>(b) Tripped circuit breaker.</p> <p>(c) No power to operating switch or junction box.</p> <p>Power at junction box</p> <p>(d) Thermal overload tripped.</p> <p>(e) Broken wire in the "down" position.</p> <p>(f) Defective motor, limit switch or capacitor.</p> <p>(g) Temporary binding.</p> <p>(h) Capacitor burned out.</p>	<p>(a) Replace fuse.</p> <p>(b) Reset circuit.</p> <p>(c) Check above. Tighten all loose wire connections. Recheck wiring. See installation instructions.</p> <p>"Down" Position</p> <p>Check for power across black and white leads.</p> <p>(d) Let motor cool down for 15 minutes. Try again.</p> <p>(e) Check for continuity.</p> <p>(f) Replace motor assembly. NOTE: Motor is a sealed assembly.</p> <p>(g) With power "off," turn roller by hand to free binding.</p> <p>(h) Replace motor assembly.</p>
<p>2. Screen will not move upward. Motor does not hum.</p> <p>Motor hums.</p>	<p>(a) Blown fuse.</p> <p>(b) Tripped circuit breaker.</p> <p>(c) No power to operating switch or junction box.</p> <p>(d) Open door limit switch.</p> <p>Power at junction box</p> <p>(e) Thermal overload tripped.</p> <p>(f) Broken wire in the "up" position.</p> <p>(g) Defective motor, limit switch or capacitor.</p> <p>(h) Temporary binding.</p> <p>(i) Capacitor burned out.</p>	<p>(a) Replace fuse.</p> <p>(b) Reset circuit breaker.</p> <p>(c) Check above. Tighten all loose wire connections. See above.</p> <p>"Up" Position</p> <p>Check for power across red and white leads.</p> <p>(d) Replace switch.</p> <p>(e) Let motor cool down for 15 minutes. Try again.</p> <p>(f) Check for continuity.</p> <p>(g) Replace motor assembly. NOTE: Motor is a sealed assembly.</p> <p>(h) With power "off," turn roller by hand to free binding.</p> <p>(i) Replace motor assembly.</p>

TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
3. Door will not open	<ul style="list-style-type: none"> (a) Hinge is bound or has a foreign substance on it which does not allow it to open by gravity. (b) Slat hooks catch on access door. 	<ul style="list-style-type: none"> (a) Check installation to free door. Clear any foreign substance; i.e., paint or plaster from hinge. (b) Adjust slat hooks. Door can be opened by removing four screws holding slat hooks to door. Access should be provided to these screws during and after installation.
4. Door does not close tightly.	<ul style="list-style-type: none"> (a) Rubber bumpers are loose. (b) Door limit switch is not adjusted properly. (c) “Up” limit switch in motor is out of adjustment. 	<ul style="list-style-type: none"> (a) Tighten. (b) Turn adjustment knob counter-clockwise. Do not over adjust and stall the motor. (c) NOTE: This switch is not normally used when operating screen. Motor automatically shuts off if fabric does not close fabric door. If adjustment allows motor to shut off too soon, it will leave fabric door open. Adjust yellow limit switch. See installation instructions.
5. “Down” limit switch incorrect.	<ul style="list-style-type: none"> (a) “Down” limit switch out of adjustment. 	<ul style="list-style-type: none"> (a) See installation instructions.
6. Noise. NOTE: Screen will operate with a low-pitched hum.	<ul style="list-style-type: none"> (a) Squeaking, rubber end plug rubbing on motor. (b) Grinding. Foreign object in screen rubbing on roller or fabric. (c) Gear noise. 	<ul style="list-style-type: none"> (a) Center roller in case. (b) Remove. (c) Replace motor assembly.
7. Coasting.	<ul style="list-style-type: none"> (a) Defective brake. 	<ul style="list-style-type: none"> (a) Replace motor assembly.
8. Roller displaced from mounting bracket.	<ul style="list-style-type: none"> (a) Pin end slipped out of nylon bearing 	<ul style="list-style-type: none"> (a) Remove pin end mounting. Realign motor in tube. Reattach pin end.

TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
9. Fabric door hangs down on one end.	(a) Rubber bumpers are not tight. (b) Slat hooks not formed equally. (c) Crooked pocket.	(a) Tighten. (b) Bend slat hook slightly or apply tape to end of slat where door hangs. Build slat up enough to close door. (c) If not corrected by applying above, replace fabric.
10. Fabric hangs crooked or is rubbing on slat hook.	(a) Screen not installed properly. (b) Fabric has backed up inside case. (c) Fabric is damaged.	(a) Check for level and plumb. (b) Adjust "down" limit switch slowly until roller is exposed and wrinkle comes out, then readjust for proper drop. (c) Replace fabric.

LIMITED ONE YEAR WARRANTY ON DA-LITE PROJECTION SCREENS

Da-Lite Screen Company, Inc. warrants its screens 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 Da-Lite's 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 person other than authorized Da-Lite personnel.

Da-Lite's sole obligation under this warranty shall be to repair or to replace (at Da-Lite's option) the defective part of the merchandise. Returns for service should be made to your Da-Lite dealer. If it is necessary for the dealer to return the screen or part to Da-Lite, transportation expenses to and from Da-Lite are payable by the purchaser and Da-Lite 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 MERCHANTABILITY. 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 Da-Lite Screen, you may contact our Customer Service Department at P.O. Box 137, Warsaw, Indiana 46581-0137 (219/267-8101) Toll Free (800/622-3737).

IMPORTANT: THIS WARRANTY SHALL NOT BE VALID AND DA-LITE SHALL NOT BE BOUND BY THIS WARRANTY IF THE PRODUCT IS NOT OPERATED IN ACCORDANCE WITH DA-LITE'S WRITTEN INSTRUCTIONS.

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