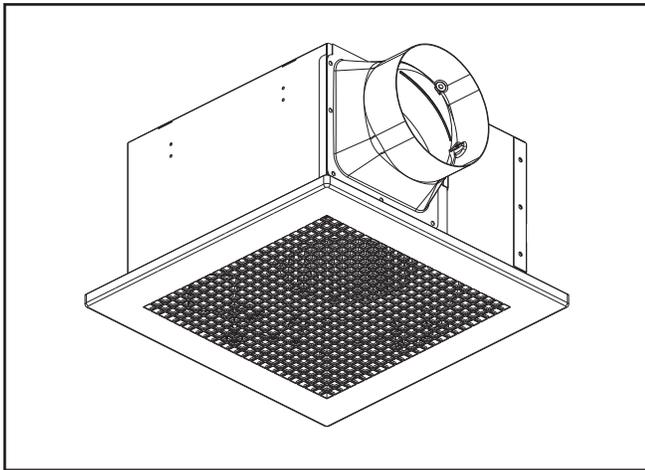


# VENTILATION FAN

MODEL Pro200/Pro300



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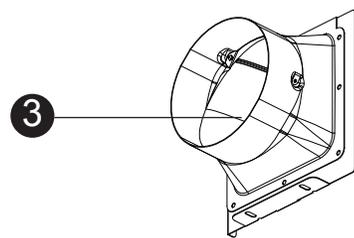
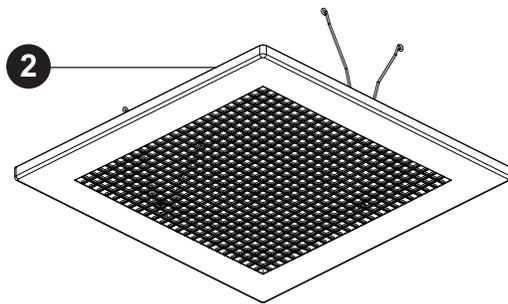
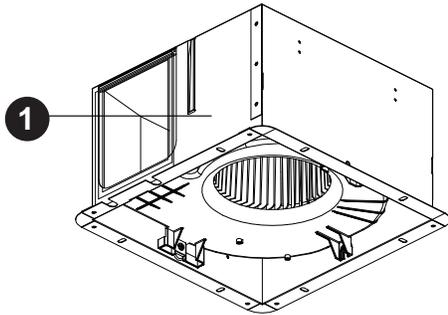
## READ AND SAVE THESE INSTRUCTIONS

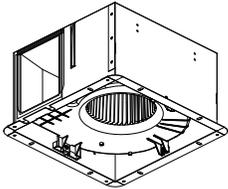
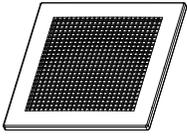
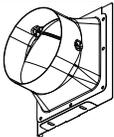
Address: 46101 Fremont Boulevard, Fremont, CA 94538

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## PACKAGE CONTENTS



No.	Part	Appearance	Quantity
①	Fan body		1
②	Grille		1
③	Duct connector (6")		1

### HARDWARE CONTENTS (Images are to scale)



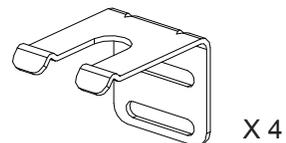
Long Wood Screw (  $\varnothing 4 \times 25$  )



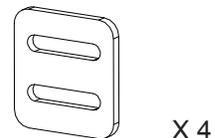
Tapping Screw (  $\varnothing 4 \times 10$  )



Machine Screw ( M4 x 6 )



Suspension Bracket



Rubber

## GENERAL SAFETY INFORMATION

### READ AND SAVE THESE INSTRUCTIONS

#### GENERAL SAFETY INFORMATION

1. Make sure that the electric service supply voltage is AC 120V, 60Hz.
2. Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSH Act).
3. Always disconnect the power source before working on or near the ventilating fan, motor or junction box.
4. Protect the power cord from sharp edges, oil, grease, hot surfaces, chemicals or other objects.
5. Do not kink the power cord.
6. Do not install the unit where ducts are configured as shown in Fig. A.
7. Provide suction parts with proper ventilation.
8. This unit is UL listed for use over a bathtub or shower when installed in a GFCI-protected branch circuit.

#### WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
2. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. If this unit is to be installed over a tub or shower, it must

be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) – protected branch circuit.

8. Do not use this unit with any other solid-state control device. Solid-state controls may cause harmonic distortion, which can cause a motor humming noise. (Avertissement: ne convient pas à des régulateurs de vitesse à semi-conducteurs).
9. NEVER place a switch where it can be reached from a tub or shower.
10. Not to be installed in a ceiling thermally insulated to a value greater than R50. (This is required for installation in Canada only).

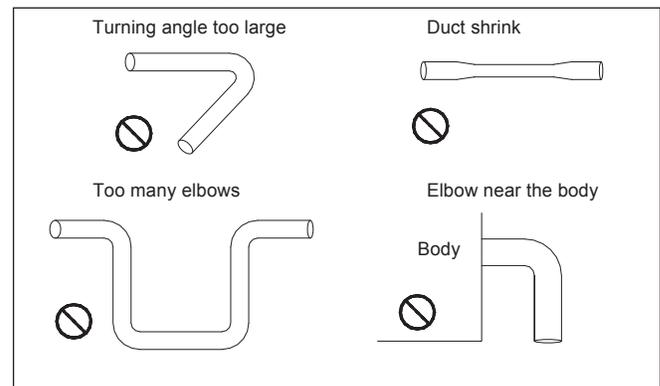


Fig. A

#### CAUTION

1. For General Ventilating Use Only. Do Not Use To Exhaust Hazardous Or Explosive Materials And Vapors.
2. Not for use in cooking areas. (Fig. B)
3. This product must properly connect to the grounding conductor of the supply circuit.
4. To reduce the risk of injury to persons, install the fan at least 8.2 feet (2.5m) above the floor.

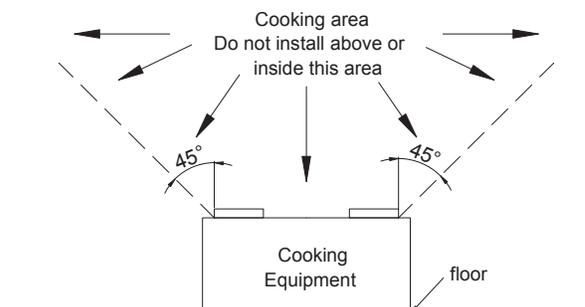


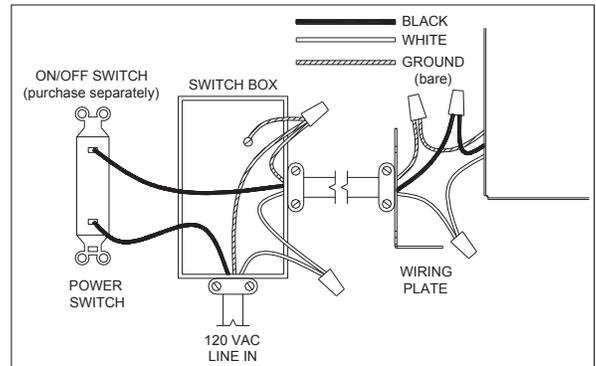
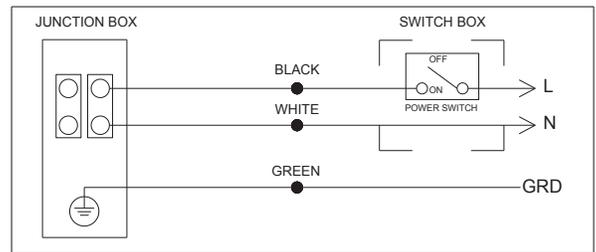
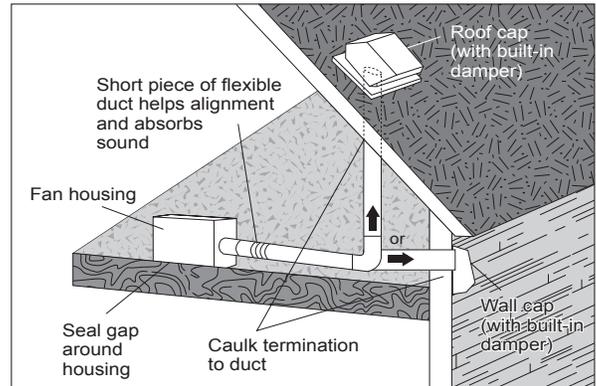
Fig. B

## PERPARATION AND WIRING DIAGRAMS

Proper insulation around the fan to minimize building heat loss and gain. The ducting from this fan to the outside of the building has a strong effect on the air flow, noise and energy use of the fan. Use the shortest, straightest duct routing possible for best performance, and avoid installing the fan with smaller ducts than recommended. Insulation around the ducts can reduce energy loss and inhibit mold growth. Fans installed with existing ducts may not achieve their rated air flow.

### Connect wiring

1. Follow all local electrical and safety codes, ANSI/NFPA70.
2. NEVER place a switch where it can be reached from a tub or shower.
3. Connect wires as shown in wiring diagrams.
4. Using wire nuts (not provided), connect the house power cable to the ventilating fan wires.
5. 14 AWG (2.1 mm<sup>2</sup>) is the smallest conductor that shall be used for branch-circuit wiring.



## ASSEMBLY INSTRUCTIONS

### BEFORE INSTALLATION

Turn off power source. Review all safety precautions.

### ATTACH DUCT CONNECTOR

1. Attach the duct connector from outside, and secure it to fan body by using machine screw (M4x6) .

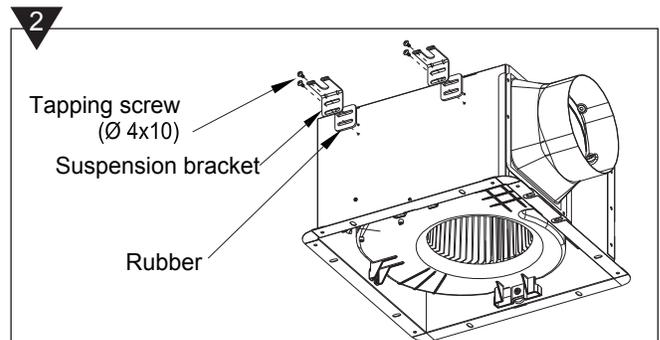
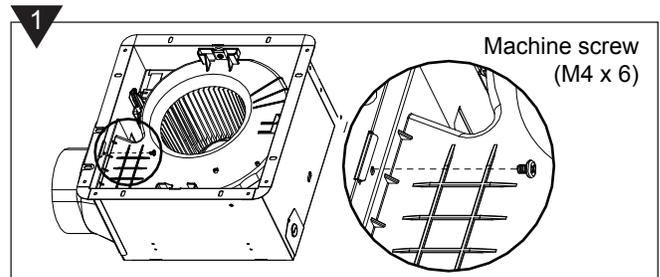
#### Hardware

Machine Screw (M4x6)

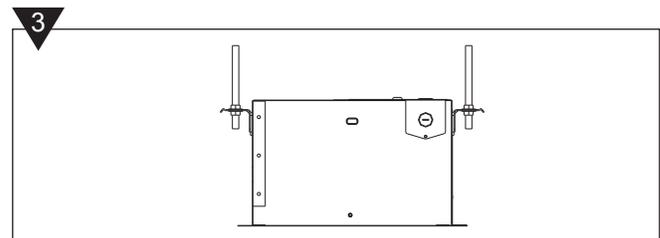


### MOUNT HOUSING WITH SUSPENSION BRACKETS

2. Assemble suspension bracket and rubbers to fan body, secure them to fan body by using tapping screws (Ø4 x 10)



3. Suspend fan body with anchor bolts (not provided).

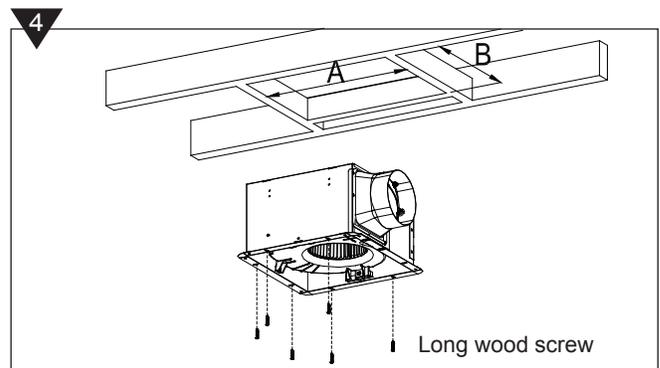


### WOODEN HEADER

4. A. Install wooden header between ceiling joists by using nails or screws.

B. Install the fan body to the wooden header with long wood screws (Ø 4x25).

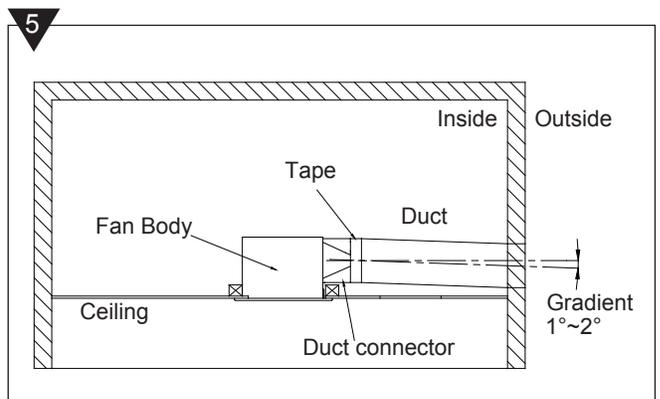
A	B
16 1/2"	12 1/2"



### DUCT CONNECTION

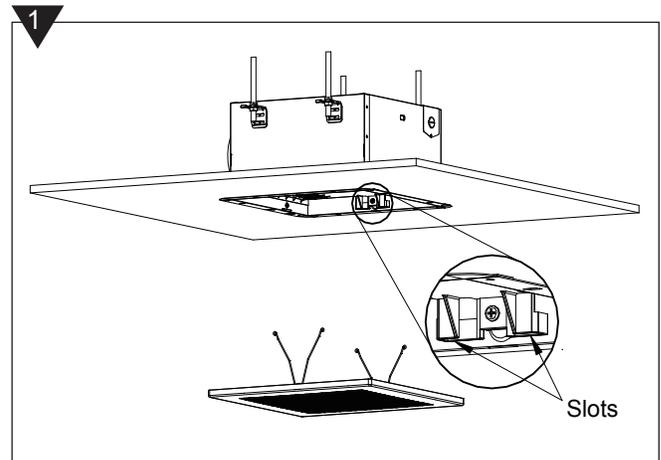
5. A. Insert the 6" duct (not provided) into the duct connector and tape all ductwork connections to make them secure and airtight.

B. Install the duct with a gradient 1°~2° to the outside.



## GRILLE INSTALLATION

Insert the mounting springs into the slots and mount the grille to the fan body.



## OPERATION

Turn the power switch on , the LED indicator will be green.

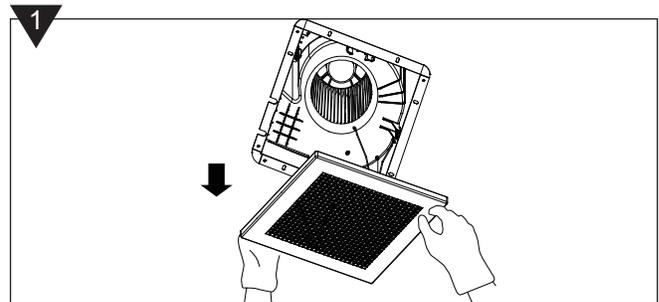
## CARE AND MAINTENANCE

### TURN OFF POWER SOURCE. REVIEW ALL SAFETY PRECAUTION

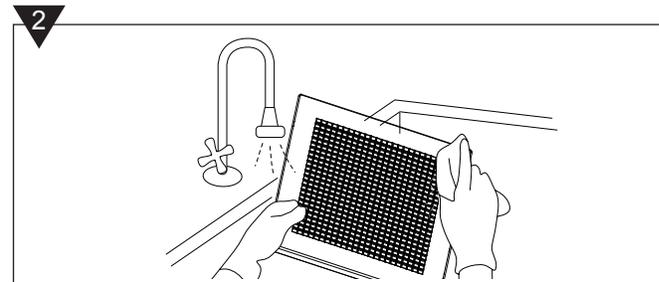
See safety information before proceeding. Routine maintenance should be done at least once a year.

- Never use solvents, thinner or harsh chemicals when cleaning the fan.
- Do not allow water to enter the motor.
- Do not immerse metal parts in water.
- Do not immerse resin parts in water over 140° F.

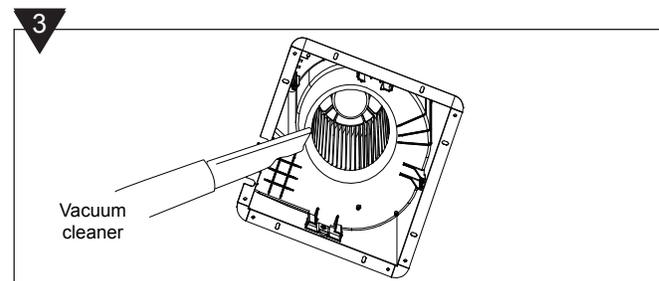
1. To remove grille, squeeze springs and pull down.



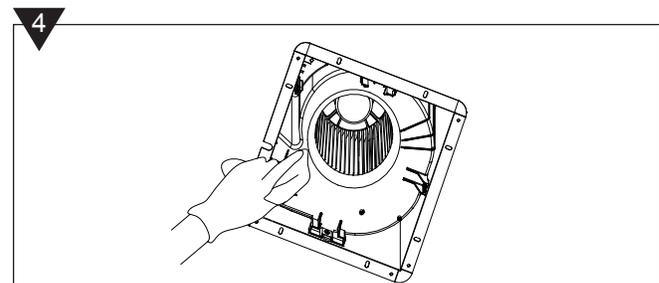
2. Clean the grille with a cloth.



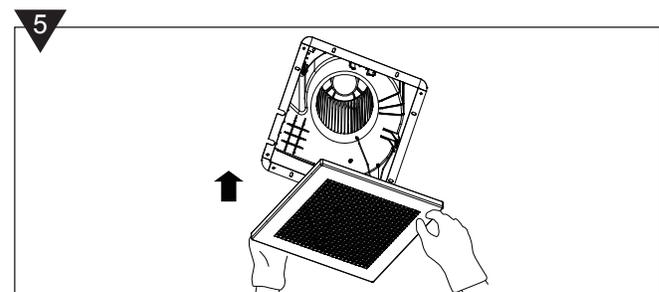
3. Remove dust and dirt from the fan body with a vacuum cleaner.



4. Dampen cloth with dust detergent and wipe the fan body. Then wipe dry with a clean cloth.



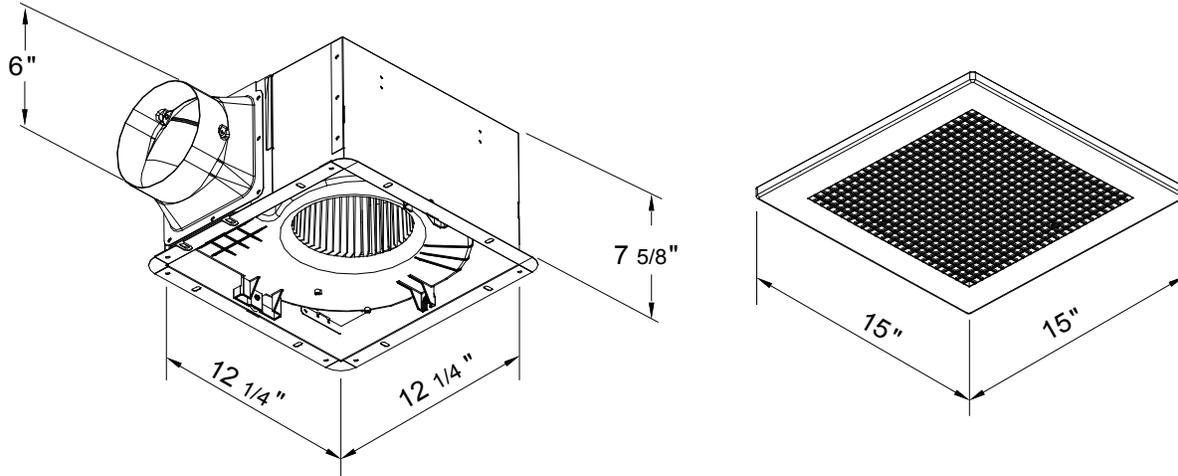
5. Replace grille back onto fan body. Turn on power source to operate fan again.



## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
The fan is not turning on	<ol style="list-style-type: none"> <li>1. Power off</li> <li>2. Faulty switch</li> <li>3. Faulty wire connection</li> </ol>	<ol style="list-style-type: none"> <li>1. Make sure power supply is on.</li> <li>2. Test or replace switch.</li> <li>3. Check wire in switch box.</li> </ol>
The fan seems louder than it should	<ol style="list-style-type: none"> <li>1. CFM too great</li> <li>2. Damper not working properly or damaged</li> <li>3. Bend in duct too close to fan discharge</li> <li>4. Fan discharge reduced to fit smaller duct</li> <li>5. Fan body not securely attached</li> </ol>	<ol style="list-style-type: none"> <li>1. Be sure the CFM rating on the fan matches the size of your room.</li> <li>2. Check damper to ensure it is opening and closing properly. If the damper has become damaged, please call Customer Service.</li> <li>3. Be sure you do not have any sharp bends in duct closer than 18 in. to the fan discharge.</li> <li>4. Use recommended size ducting to reduce fan noise.</li> <li>5. Be sure the fan is securely attached to your ceiling joists.</li> </ol>
The fan is not clearing the room	<ol style="list-style-type: none"> <li>1. Insufficient intake airflow within room</li> <li>2. Insufficient CFM</li> </ol>	<ol style="list-style-type: none"> <li>1. Be sure a door or window is slightly ajar or opened to allow airflow. The fan is not able to draw air out of the room without enough airflow to draw in from.</li> <li>2. Be sure the CFM rating on the fan matches the requirements for your room size.</li> </ol>

## DIMENSIONS



## PRODUCT SPECIFICATIONS

SPECIFICATIONS						
Model No.	Voltage (V)	Frequency (Hz)	Power @ 0.1"SP (W)	Air Flow @ 0.1"SP (CFM)	Weight (lb.)	Max.Current (amps)
Pro200	120	60	17.5	200	12.6	0.52
Pro300	120	60	41.0	300	12.6	0.72

Note: Design and specifications subject to change without notice.

## WARRANTY

### DELTA ELECTRONICS THREE YEAR LIMITED WARRANTY

Delta Electronics Inc. (“Delta Electronics”) warrants to the original consumer purchaser in the USA and Canada that the Breez ventilation fan products will be free from defects in material or workmanship. This warranty is limited to three (3) years from the original date of purchase.

#### Limitations and Exclusions

1. During the warranty period, a replacement for any defective product will be supplied free of charge for installation by the consumer. The warranty provided herein does not cover charges for labor or other costs incurred in the troubleshooting, repair, removal, and installation service.
2. All returns of defective parts or products must include the product model number, and must be made through an authorized Delta Electronics distributor. Authorized returns must be shipped prepaid. Repaired or replacement products will be shipped by Delta Electronics F.O.B. shipping point.
3. Delta Electronics shall not be liable for any indirect, incidental, consequential, punitive, or special damages arising out of or in connection with products use or performance, regardless of the form of action whether in contract, tort (including negligence), strict product liability or otherwise.
4. This warranty does not extend to fluorescent lamp starters and tubes.
5. The warranty does not cover if user does not comply with manufacturer’s installation manual.
6. To qualify for warranty service, you must notify Delta Electronics at the address or telephone number below.
7. Delta Electronics shall have no liability to the original owner-user with respect to any defect caused by abuse, misuse, neglect, improper transportation or storage, improper testing, improper installation, improper operation, improper use, improper maintenance, improper repair, improper alteration, improper modification, tampering or accident of products or parts thereof, or unusual deterioration or degradation of products or parts thereof due to a physical environment beyond the requirements of products’ specifications.

Address: 46101 Fremont Boulevard, Fremont, CA 94538

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