



687BFM3509LY

AIR CURTAINS

INSTRUCTION MANUAL

#687BFM3509LY

#6873509LYB

#6873512LYB

#6873512LYW

#6873518LYB

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CRITICAL INFORMATION

- **Door Switch:** Properly align the door switch with both halves parallel to the floor. Failure to properly mount can lead to false readings.
- **Installation:** Make sure that the mounting surface can sufficiently support the weight of the unit. Failure to do so could result in the unit falling and causing damage or injury.

HAZARD STATEMENTS

WARNING Power Disconnection:

Active power source during installation or service can cause electrical shock or equipment activation. Always disconnect, lock, and tag power source before installing or servicing.

Avoid working on equipment while power is connected or unsecured. Fire, shock, or serious injury may result from failure to disconnect power.

WARNING Qualified Installation:

Improper installation or electrical wiring can lead to code violations and safety risks. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.

Avoid DIY installation or using unqualified personnel for electrical work. Code violations, improper operation, increased fire risk, or electrical hazards may result.

WARNING Hidden Utilities:

Cutting or drilling into walls may damage concealed wiring or utilities. Verify locations of all electrical wiring and utilities before cutting or drilling into walls or ceilings.

Avoid cutting or drilling without first checking for hidden electrical wiring and other utilities. Electrical shock, fire hazard, utility service disruption, or property damage may result.

WARNING Speed Control Compatibility:

Using incompatible speed control devices can create electrical hazards. Use only the manufacturer-approved control devices with this fan.

Avoid using this fan with any solid-state speed control device unless specifically approved. Increased risk of fire or electric shock may result.

WARNING Qualified Maintenance:

Improper repairs or maintenance can compromise equipment safety and function. Ensure all repair and maintenance operations are performed only by qualified personnel.

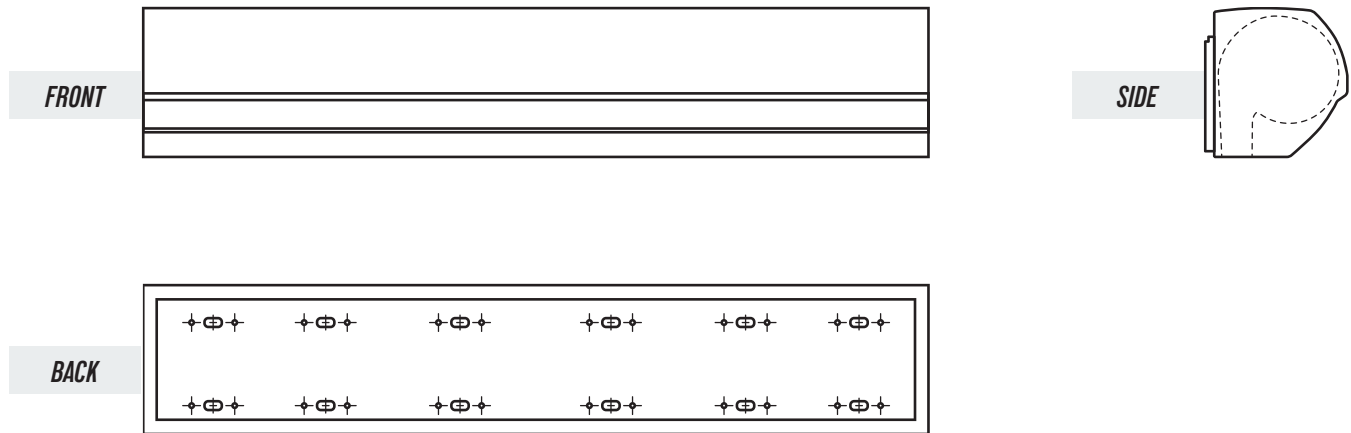
Avoid DIY repairs or using unqualified personnel for maintenance work. Equipment malfunction, safety system compromise, or voided warranty may result.

WARNING Voltage Compliance:

Incorrect voltage or frequency can damage equipment or create electrical hazards. Refer to the rating label to ensure the rated voltage and frequency of the air curtain complies with the main supply.

Avoid connecting equipment to incompatible power sources with incorrect voltage or frequency. Equipment damage, reduced performance, potential fire hazard, or electrical failure may result.

INSTALLATION



- **Mounting Location Considerations:**

1. Install the unit inside the room.
2. Mount at least 91" from the ground.
3. Install on a firm supporting structure.
4. Mount the plate to at least one wall stud to prevent shaking, loosening, and noise during operation.
5. Do not allow gaps between the unit and the wall.

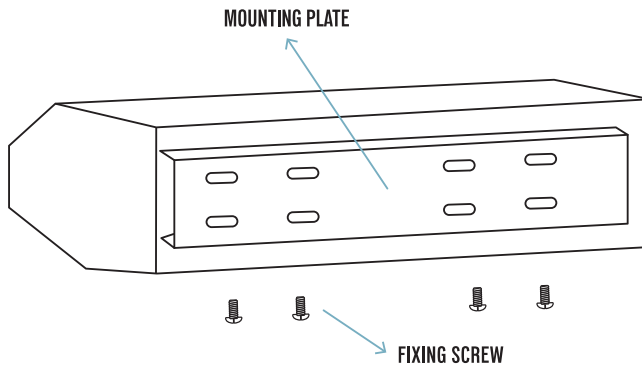
- **Multiple Unit Installation:**

1. For entrances wider than the unit, install two or more units.
2. Maintain 1" to 1 ½" gaps between multiple units.

- **Environmental Considerations:**

1. Do not install where the unit may be splashed by water.
2. Avoid locations with excessive steam, explosive gas, or corrosive gas.

WALL MOUNTING INSTRUCTIONS



NOTE: Mount this to a surface that can properly support the weight. Studs are highly recommended.

- **Removing Mounting Plate:**

1. Take off the mounting plate that comes pre-attached to the unit by unhooking it.
2. Set the air curtain aside during installation.

- **Mark Mounting Locations:**

1. Use the mounting plate as a template.
2. Align it with the wall directly above the doorway.
3. Mark the locations of all 8 slots on the wall.

- **Prepare for Mounting:**

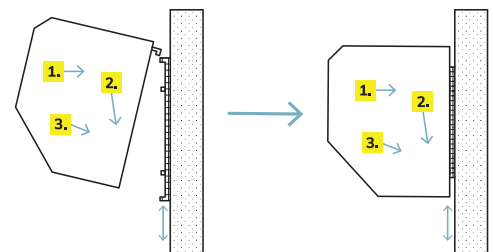
1. Pre-drill pilot holes at each marked location for better mounting results.

- **Secure Mounting Plate:**

1. Attach the mounting plate to the wall using appropriate hardware.
2. **IMPORTANT:** Ensure the mounting plate is oriented correctly with the metal 'lip' positioned at the top.

- **Installation:**

1. Lift the air curtain and confirm that the vents are facing downward.
2. Hold the unit directly above the bracket.
3. Slowly lower the unit until it catches on the top lip of the bracket.
4. Continue lowering until all the weight is transferred to the bracket.



OPERATION

- **Power and Basic Control:**

1. Connect power to the unit.
2. Press the [on/off] button on the air curtain to turn it on at default high speed or turn it off.

- **Speed Selection:**

1. Press the [H]/[L] button to select suitable speed:
 - [L]: Low speed
 - [H]: High speed

- **Remote Control Operation:**

1. Press the [on/off] button on the remote control to turn on the air curtain at default high speed.
2. Press it again to switch the unit to low speed.
3. Press a third time to turn the unit off.

- **Airflow Adjustment:**

1. Adjust the air deflector to obtain optimum effect.

CLEANING

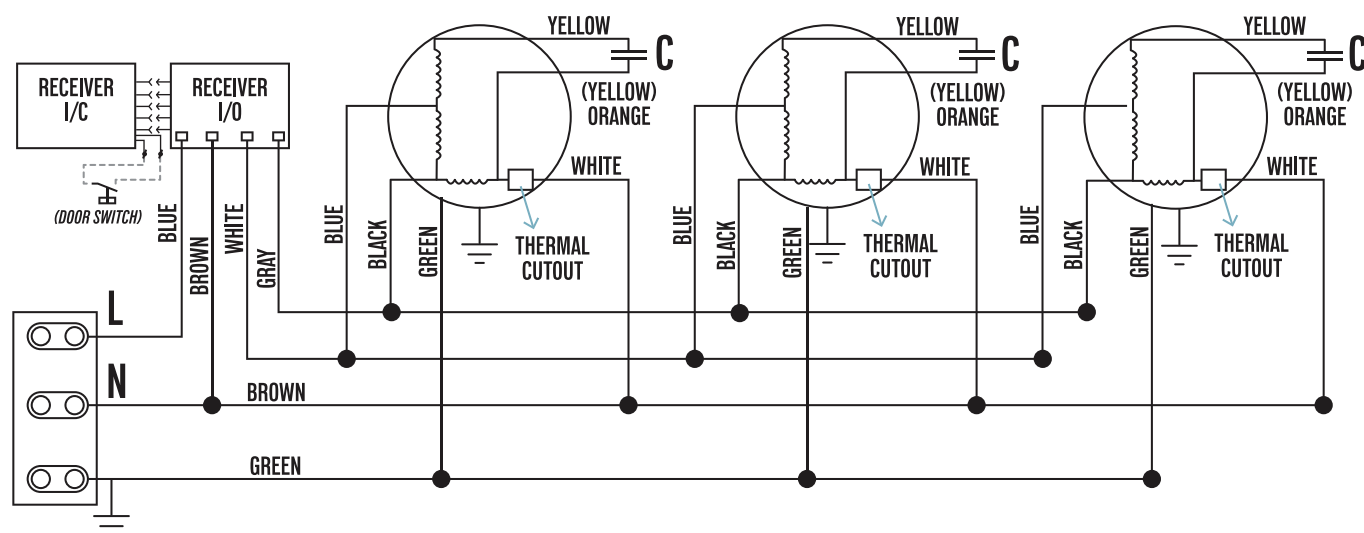
- **Safety Precautions:**

1. Do not allow water or any liquid to enter the motor.
2. Always unplug or disconnect the appliance from power before servicing or cleaning.
3. Only qualified and insured technicians should service this equipment.

- **Cleaning Procedures:**

1. Clean plastic parts with mild soap and water.
2. Thoroughly remove soap residue with a clean, damp cloth.
3. Wipe exterior surfaces with a moistened cloth and mild detergent solution.
4. Dry the case completely with a soft, dry cloth before operating the unit.

WIRING DIAGRAM



NOTE: *Door Switch: The installation of magnetic door contact door switch is optional.