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› [Awoco](#) /

› [Awoco 36" FM-1209T 1100 CFM Slim Indoor Air Curtain User Manual](#)

## Awoco FM-1209T

# Awoco 36" FM-1209T 1100 CFM Slim Indoor Air Curtain User Manual

Model: FM-1209T

## 1. IMPORTANT SAFETY INFORMATION

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Please read this manual carefully before installation and operation. Keep this manual for future reference.

- This air curtain is designed for indoor use only.
- Ensure the power supply matches the unit's specifications (110V-120V 60Hz).
- Do not operate the unit with a damaged power cord or plug.
- Do not insert objects into the air inlet or outlet.
- Disconnect power before cleaning or performing any maintenance.
- This air curtain is **not** an air conditioner and does not generate cold or hot air. It is a fan designed to create an air barrier.

## 2. PRODUCT OVERVIEW

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The Awoco FM-1209T Slim Indoor Air Curtain creates an invisible air barrier to separate indoor and outdoor environments, helping to maintain indoor air quality and temperature. It features a slim design, powerful airflow, and convenient controls.



Figure 1: Awoco 36" FM-1209T Air Curtain with included accessories.

### Key Features:

- **Magnetic Switch:** Electrical-magnetic circuit control for easy door-triggered operation. No hard wiring needed for the 12VDC low voltage magnetic switch.
- **Two Speeds:** Super powerful high speed at 1112 CFM, low speed at 874 CFM. Selectable via HI/LO/OFF switch or remote control.
- **Efficient Motor:** Adopting German electrical machinery technology for smooth, low-noise operation. Optimized for reliable and safe runs for 5,000 consecutive hours.
- **Durable Construction:** Fireproof and anti-erosive powder-coated metal case with high-tech ABS fan wheels. CE Certified.
- **Slim Body:** Easy to clean and compact design.

### Dimensions:

- Overall size: 35-1/2" L x 7-3/4" D x 8-7/8" H
- Weight: 22 LBS
- Mounting plate size: 19-3/4" L x 7" H

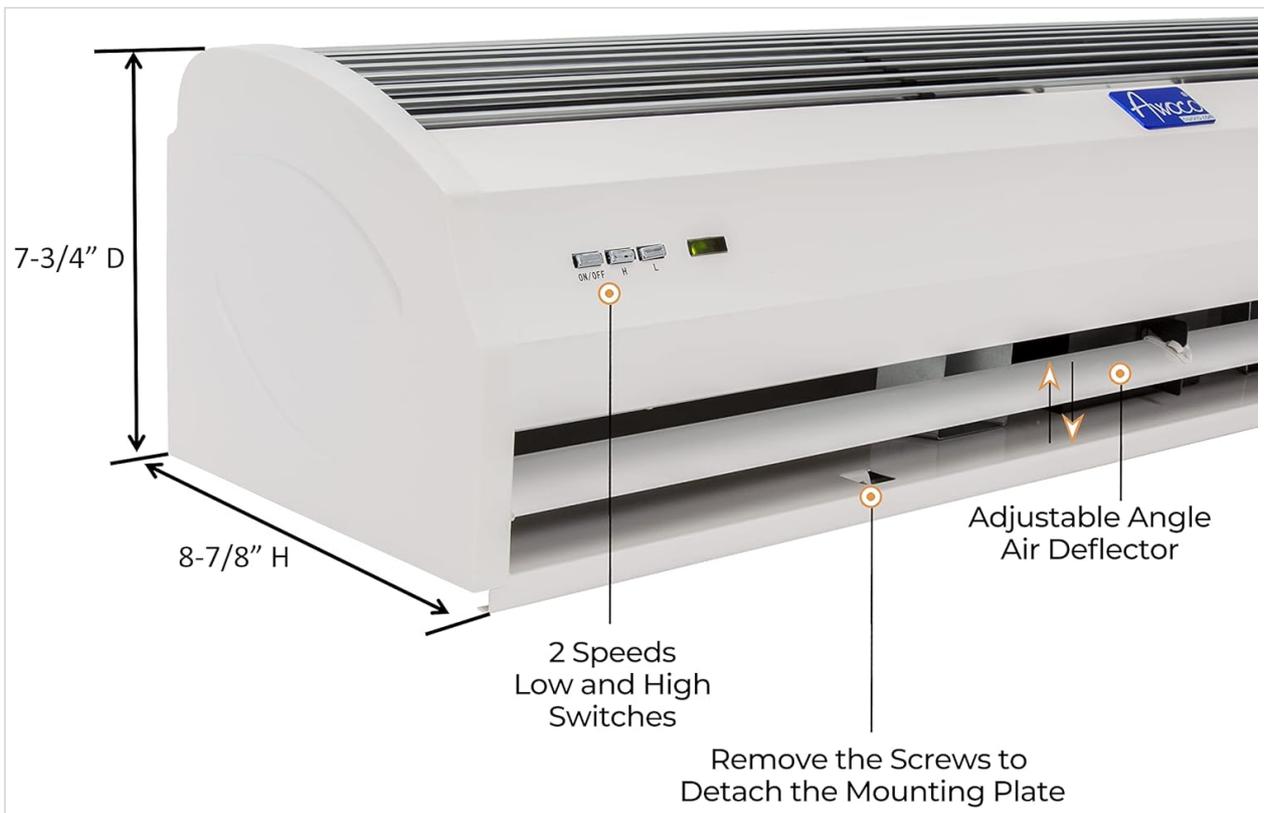


Figure 2: Product dimensions and control switches.

### 3. PACKAGE CONTENTS

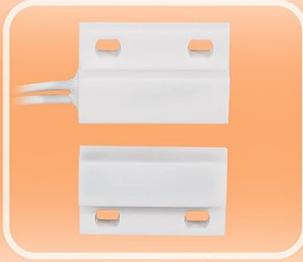
The following items are included in your package:

- Awoco 36" FM-1209T Air Curtain Unit
- Remote Control
- Magnetic Switch (with dedicated 2-wire connection)
- Mounting Plate
- 62" Power Cord with Plug
- Installation Manual



## USA Professional Tech Support All Parts Available

Easy to Install  
Magnetic Switch



Remote Control



19-3/4"L Mounting Plate Attached  
120V Power Cord with Plug



**This is NOT an Air Conditioner (AC).  
Don't Buy This if You Need an AC Unit.**

**Air Curtain Isolates Interior and Exterior Air Environment.**

Figure 3: Included components for the air curtain.

## 4. SETUP AND INSTALLATION

### 4.1 Pre-Installation Test

Before permanent installation, perform a quick test to ensure the unit is functioning correctly and free from shipping damages.

1. Carefully inspect the air curtain for any visible damage.
2. Plug the power cord into a 110V-120V 60Hz outlet.
3. Press the ON/OFF switch on the unit or use the remote control to turn it on.
4. Check that the fan wheels spin freely and quietly. If the fan wheels are stuck, refer to the troubleshooting section or the detailed instructions provided in the manual for adjustment.
5. Test both high and low speeds.

Your browser does not support the video tag. Please update your browser.

Video 1: Awoco Slimline FM12 Series Air Curtain Overview and Pre-Installation Test. This video demonstrates the features and initial testing of the air curtain.

### 4.2 Mounting Plate Installation

The air curtain is designed for wall-mounted installation above a doorway.

1. Remove the mounting plate from the back of the air curtain by unscrewing the bottom screws.
2. Position the mounting plate above the doorway, ensuring it is level and centered. The installation position should be at least 2 inches (5cm) from the ceiling to allow for proper air intake.
3. Use a stud finder to locate wall studs for secure mounting. Mark the drilling points through the mounting plate.
4. Drill pilot holes at the marked positions.
5. Securely attach the mounting plate to the wall using appropriate screws and anchors (not included, depending on wall material).

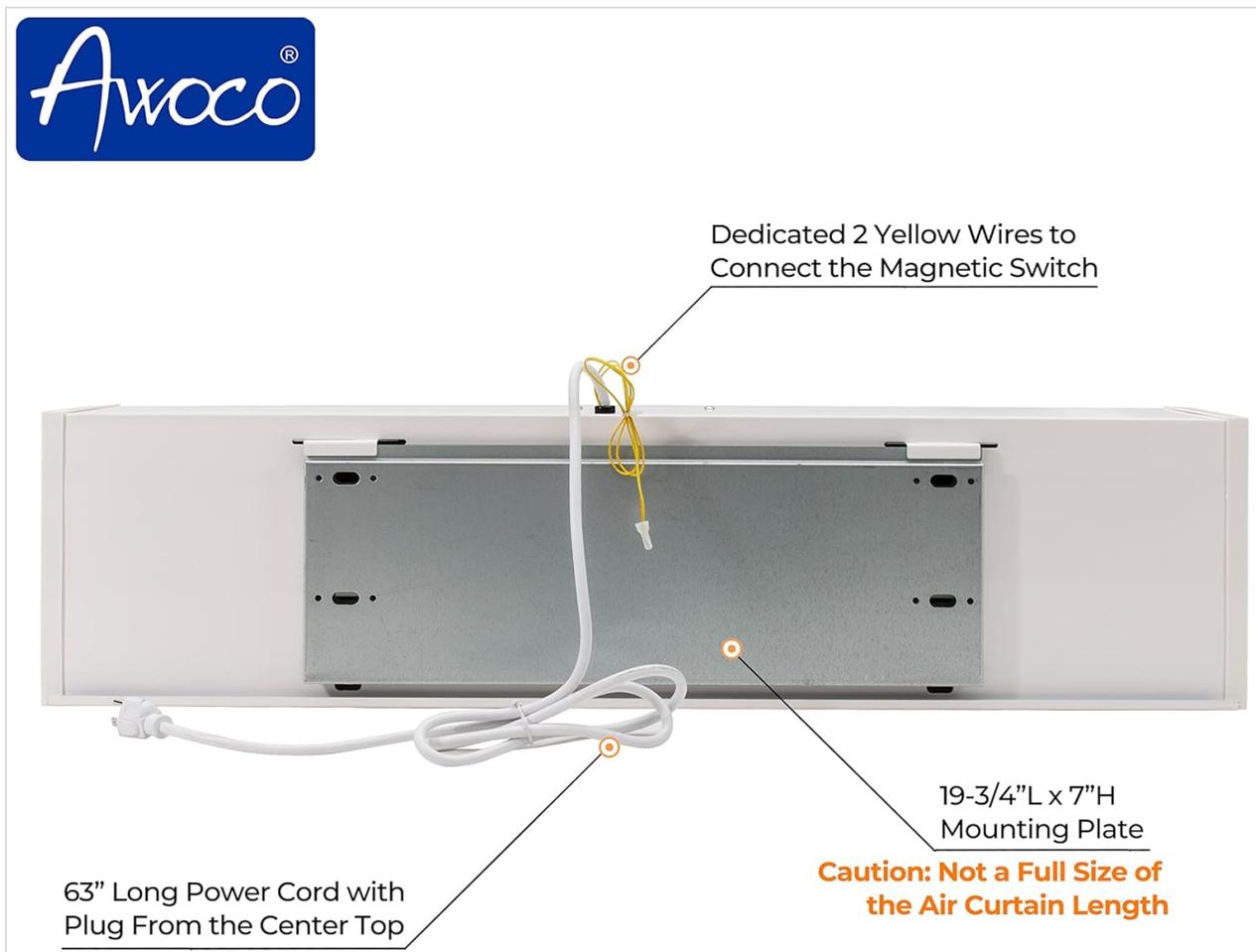


Figure 4: Detailed view of the mounting plate and power cord.

### 4.3 Air Curtain Mounting

Once the mounting plate is securely installed, you can hang the air curtain unit.

1. Carefully lift the air curtain unit and align the top hooks on the back of the unit with the slots on the installed mounting plate.
2. Lower the unit onto the plate until it sits firmly.
3. Re-insert and tighten the bottom screws to secure the air curtain to the mounting plate.

### 4.4 Magnetic Switch Installation

The magnetic switch allows the air curtain to turn on automatically when the door opens and off when it closes.

1. Locate the dedicated 2-wire connection for the magnetic switch on the air curtain unit. Cut off the connection nut from these wires.

2. Connect these two wires to the magnetic switch wires, one-to-one. Either side is acceptable. Secure the connections with electrical tape.
3. Place the two-piece magnetic switch closely on the door frame and the door panel. Ensure the magnet is facing the effective surface for proper operation. For double doors, connect the 2 wires to both magnetic switches one-to-one in parallel.
4. Test the magnetic switch by opening and closing the door. The air curtain should turn on when the door opens and turn off when the door closes.



### Easy Magnetic Switch Installation

- Easily apply to any kinds of swing or sliding doors and windows.
- 12VDC is safer and no hard wired required. No mechanical contact.
- It works even the door closer is not working well, just install closer to the door hinges.

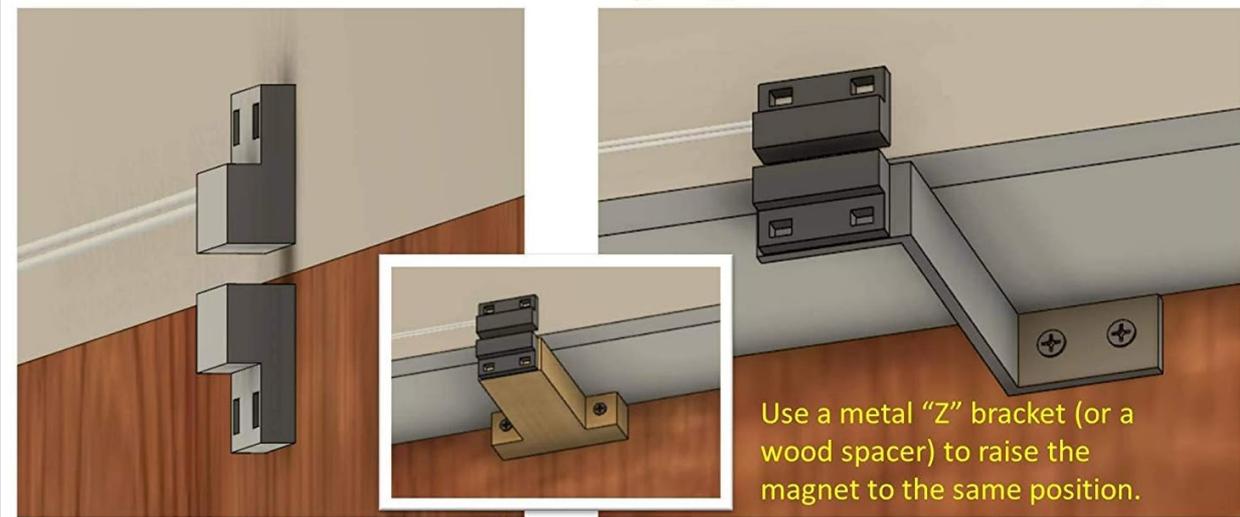


Figure 5: Detailed steps for installing the magnetic switch.

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Video 2: Awoco Easy to Install Magnetic Switch. This video demonstrates the simple installation process for the magnetic switch.

## 5. OPERATION

### 5.1 Power On/Off and Speed Selection

The air curtain can be operated using the manual switches on the unit or the included remote control.

- **Manual Control:** Use the HI/LO/OFF switch on the unit to turn the air curtain on or off and select between high and low speeds.
- **Remote Control:** The remote control allows you to turn the unit on/off and select speeds from a distance.

## 5.2 Magnetic Switch Function

When the magnetic switch is connected and properly installed, the air curtain will operate automatically:

- Opening the door will trigger the air curtain to turn on.
- Closing the door will cause the air curtain to shut off.

## 5.3 Adjustable Air Deflector

The air deflector can be manually adjusted to direct the airflow slightly outward, optimizing the air barrier's effectiveness.

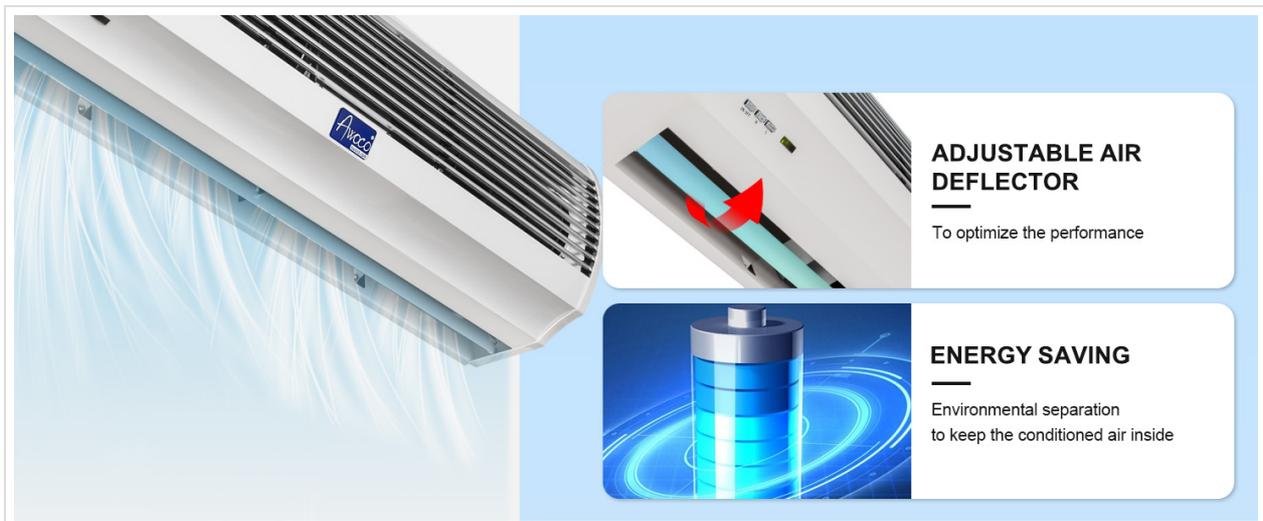


Figure 6: Air curtain in operation, showing adjustable deflector and remote control.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your air curtain.

- **Cleaning:** The fireproof and anti-erosive powder-coated metal case is easy to clean. Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Internal Cleaning:** Periodically inspect the air inlet and fan wheels for dust and debris. Disconnect power before attempting to clean internal components. Use a soft brush or vacuum cleaner to remove accumulated dust.
- **Inspection:** Regularly check the power cord, plug, and magnetic switch wires for any signs of damage.

## 7. TROUBLESHOOTING

If you encounter issues with your Awoco air curtain, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on.	No power supply.	Check if the power cord is securely plugged in and the outlet is functional.
	ON/OFF switch is off.	Press the ON/OFF switch on the unit or remote control to turn it on.
Fan wheels are not spinning or making unusual noise.	Obstruction in fan wheels.	Disconnect power. Carefully inspect and remove any obstructions. Refer to manual for fan wheel adjustment if stuck.
Magnetic switch not triggering.	Magnetic switch misaligned or disconnected.	Ensure the two parts of the magnetic switch are closely aligned. Check wire connections for security.

## 8. SPECIFICATIONS

Specification	Value
Brand	Awoco
Model	FM-1209T
Item Weight	22 pounds
Overall Size (L x D x H)	35-1/2" x 7-3/4" x 8-7/8"
Voltage	120 Volts
Wattage	140W Max, 90W Min
Airflow (High Speed)	1112 CFM
Airflow (Low Speed)	874 CFM
Noise Level	57 Decibels
Material Type	Metal
Certification	CE Certified

# ENERGYGUIDE

36" Air Curtain

Awoco  
Model: FM-1209T

Estimated  
Yearly Energy Cost  
**\$10**



Cost Range of Similar Models (36")

- Based on 12 cents per kWh and 3 hours use per day
- **Your cost depends on rates and use**
- Energy Use: 140 Watts

Airflow

**1112**

Cubic Feet Per Minute

- The higher the airflow, the more air the fan will move
- Airflow Efficiency: 7.9 Cubic Feet Per Minute Per Watt

All estimates based on typical use, 200 days per year

[ftc.gov/energy](https://www.ftc.gov/energy)

Figure 7: Energy Guide for the Awoco 36" Air Curtain.

## 9. WARRANTY AND SUPPORT

The Awoco FM-1209T Air Curtain comes with a **1-year manufacturer protection**.

For any questions, technical assistance, or warranty claims, please contact Awoco customer support. Awoco offers professional support from their Los Angeles, California office, ensuring prompt and efficient service.