



OPERATING INSTRUCTIONS

MINI-SPLIT AIR CONDITIONING SYSTEMS

FOR MODELS:

MS29A13115A
MS212A13115A
MS212A13240A
MS218A13240A

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Troubleshooting (Cont.)

Problem	Possible Solutions
Remote Control Will Not Operate	<p>Do the batteries need to be replaced?</p> <p>Are you within the operating range of the remote control?</p> <p>Are you pointing the remote control towards the receiver on the indoor unit?</p> <p>Is anything obstructing the path between the remote control and the receiver?</p> <p>Occasionally the remote control may not function properly when the unit is disturbed or when the functions are changed frequently. In this case, disconnect the power to the indoor unit and then reconnect to recover remote control operation.</p>

Manual Operation (18,000 BTU units only)

- Turn on power
- Press the "MODE" button to select operating mode.
- If remote control is lost, unit may be operated manually by opening the front cover.
- "AUTO" will operate the unit in auto mode as explained in that section of this manual.
- "TEST" will operate the unit in the cool mode. Temperature may be adjusted with the remote if desired. If remote is not available, unit will operate at last set temperature. In this mode fan will operate at high speed.
- "RUN" will operate the unit normally.
- "STOP" will turn the unit off. Unit will not operate if the switch is in this position.

Safety & Operation Notes

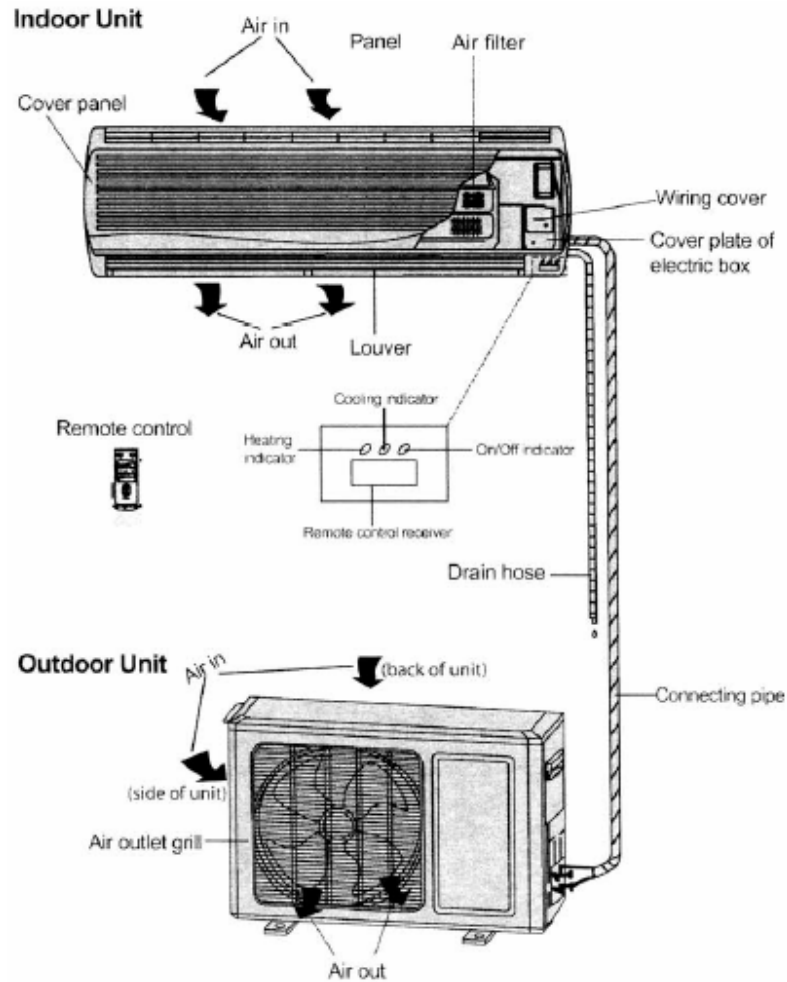
Safety

- Do not let any liquids come into contact with the indoor unit.
- Do not touch the metal parts of the indoor unit after taking out the filter.
- Avoid extended use in high humidity conditions (i.e. when doors and windows are open).
- Do not operate the indoor unit with wet hands.
- Do not place hands, fingers, or other objects inside indoor or outdoor unit.
- Avoid extended direct exposure to cold air streams.
- Disconnect power supply and contact dealer if you detect a burning smell or smoke.
- Do not attempt to repair either unit by yourself. Refer all repairs to a qualified service technician.
- Do not charge or disassemble batteries. Always replace batteries with the same type and dispose of old batteries properly.
- Disconnect power source when unit is not in use for an extended period of time.
- Do not place a space heater near the indoor unit.
- Keep combustible sprays and liquids away from both the indoor and outdoor units.
- Do not step on top of the outdoor unit.
- Do not block the air intake or outlet vents of either unit.
- Do not disconnect the power source when fan is running under normal operation.
- Unit should be installed by a qualified technician and fused and grounded properly.
- Operate unit from a stable power supply – 120 or 220 VAC depending on model, with the appropriate time delay fuse or circuit breaker.

Operation:

- Do not use unit when outside temperature is below 20°F or above 110°F.
- Do not operate indoor unit when front cover is removed.
- Do not operate unit without air filters installed.
- Do not store remote control in direct sunlight or excessive heat.
- Do not drop or throw the remote control.
- Do not immerse the remote control in water or any other liquids

Unit Parts & Features



Troubleshooting

Check the following list before calling for service. If the difficulty persists, contact your dealer or other qualified technician.

Problem	Possible Solutions
System will not operate.	<ul style="list-style-type: none"> • Has the power been disconnected? • Is the system turned off? • Has the system turned off in the last three minutes? (There is a 3 minute delay that prevents the system engaging the heat or cool within three minutes of turning off in order to protect itself.) • Is the circuit breaker "on"? • "Is TIMER ON" displayed on the LCD?
An unusual odor is detected from the indoor unit	This can be caused by odors trapped in the air filter, such as smoke, food, etc. Follow air filter cleaning instructions.
A slight liquid noise is heard from the indoor unit.	This can be caused by the refrigerant flowing inside the unit.
A slight creaking noise is heard from the indoor unit.	This can be caused by expansion of the plastic materials due to temperature changes.

(Continued on next page)

For Technical Assistance please contact
United Refrigeration at:

704-504-8590

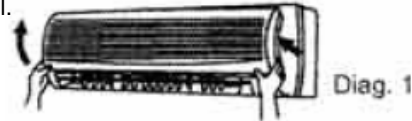
Care & Maintenance

CAUTION

▲ Always disconnect power before cleaning.

Cleaning Cover Panel (note: Always remove cover before cleaning.)

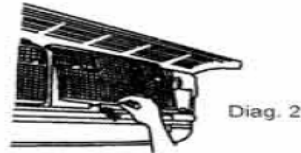
1. Open cover panel and pull in the direction of the arrows in Diag. 1 to remove the cover panel.



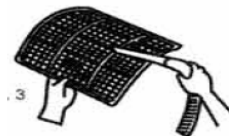
2. Wipe with a damp cloth using warm water or mild cleaner and allow to air dry. (Note: Never use hot water.)
3. Replace the cover panel by inserting the tab support on either end of the cover into the supporting slots on the unit, then closing and latching the cover.

Cleaning Air Filters (Note: Recommended once every three months under normal conditions.)

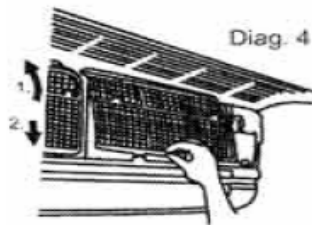
1. Open cover panel.
2. Using the tab at the bottom of the filter, lift the filter and remove in the direction of the arrows in Diag. 2.



3. Clean filters using a vacuum cleaner (see Diag. 3) or by washing then with warm water and allowing them to air dry. (Note: never use hot water.)



4. Replace filters by inserting as shown in Diag. 4. Then close and latch the cover panel.



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Remote Control Functions & Indicators

Notes: Be sure that there is no obstruction between receiver and remote control.

Some of the indicators on the display below may not be active on your remote and are not explained in these instructions.

SWING button
Press this button to rotate the louvers automatically. And press again to stop.

MODE indicators
See mode button below for details.

SLEEP indicator
SLEEP button
Press this button to initiate the sleep mode which allows the system to gradually change the temperature setting over a specified period of time.

MODE button
Press this button to change the operation mode in order of:

- AUTO AUTO mode
- ❄️ COOL mode
- ☀️ DRY mode
- 🌀 FAN mode
- 🔥 HEAT mode

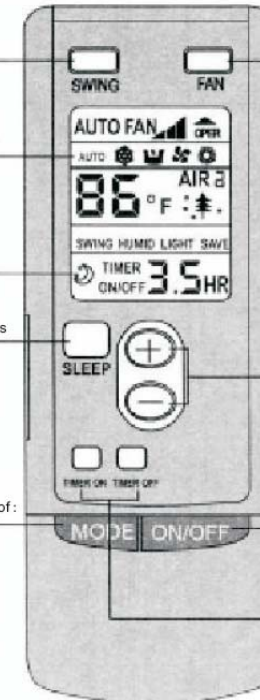
FAN button
Press this button to change the fan speed of:

- AUTO FAN
- LOW speed fan
- MEDIUM speed fan
- HIGH speed fan

TEMP button
Press + or - button to increase or decrease temperature setting in 1°F increments. Temperature can be set from 61°F to 86°F. The temperature does not display in AUTO mode.

ON/OFF button
Press this button to turn on or turn off the unit.

TIMER ON/TIMER OFF buttons
Press these buttons to set a time delay for turning the unit on or off.



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Operation Guide

Note: On first operation ensure that power to both indoor and outdoor unit is active.

Install Batteries:

The remote control takes two (2) AAA Batteries.

1. Press and slide the battery compartment cover on the bottom side of the remote to open it.
2. Insert two (2) AAA batteries, being careful to align the polarities correctly as labeled inside the battery compartment.
3. Close the battery compartment cover by sliding it back into place.

Using the Remote Control:

- The remote control must always be pointed at the receiver on the indoor unit (See diagram on page 3) to operate properly.
- The operating range of the remote control is approximately 22 ft. Ensure that you are within that range when attempting to operate the system with the remote control.
- Please refer to the diagram on page 3 for general operating instructions. Some of the specific functions will be addressed in more detail below and on the following pages.

Selecting MODE:

- Press the MODE button on the remote control repeatedly until the icon appears for the mode you want to select. (See diagram on page 3).
- In HEAT (On heat pump models only) and COOL mode the system will run to satisfy the temperature setting.
- In AUTO mode the system will determine the operation mode based on the room temperature in the vicinity of the indoor unit.
- In FAN mode the heating and cooling will not operate, but the fan will run constantly at the selected speed unless the temperature setting is satisfied.
- In DRY mode cooling will run periodically with low speed fan in order to dehumidify the room. Heating will not operate in this mode.

Operation Guide (Cont.)

SWING operation:

- Press the SWING button on the remote control to initiate automatic rotation of the louvers.
- Louvers can be kept in automatic rotation in order to circulate air throughout the room.
- If desired, press the SWING button again to stop the louvers at a specific position in order to control the direction of air flow.

Selecting FAN speed:

- Press the FAN button on the remote control repeatedly to select auto, low, medium or high speed fan. (See diagram on page 3.)
- In AUTO FAN, the system will select the proper fan speed to satisfy the temperature setting.

Setting SLEEP mode:

1. Make sure that the unit is turned "On".
2. Press SLEEP button once to initiate SLEEP mode.
3. Press TIMER OFF button repeatedly to advance the scheduled length of time before the system is turned off. Time will advance in half hour increments from 0.5 hr to 24 hr.
4. Press + or – buttons to specify final temperature setting for SLEEP mode.
5. Once SLEEP mode is set, the system will gradually adjust the temperature setting throughout the period of operation until both the final temperature setting and set time are reached and the unit automatically turns off.

TIMER operation

- When system is "On", press TIMER OFF button repeatedly to advance the scheduled length of time before the system is turned off. Time will advance in half hour increments from 0.5 hr to 24 hr.
- When system is "Off", press TIMER ON button repeatedly to advance the scheduled length of time before the system is turned on. Time will advance in half hour increment from 0.5 to 24 hr.