

ANALOG CONTROL

OPERATING INSTRUCTIONS

1. GENERAL INFORMATION

A. The ability of the air conditioner to maintain the desired inside temperature depends on the heat gain of the RV. Some preventative measures taken by the occupants of the RV can reduce the heat gain and improve the performance of the air conditioner. During extremely high outdoor temperatures, the heat gain of the vehicle may be reduced by:

1. Parking the RV in a shaded area
2. Using window shades (blinds and/or curtains)
3. Keeping windows and doors shut or minimizing usage
4. Avoiding the use of heat producing appliances

Starting the air conditioner early in the morning and giving it a "head start" on the expected high outdoor ambient will greatly improve its ability to maintain the desired indoor temperature.

For a more permanent solution to a high heat gain, accessories like A&E outdoor patio and window awnings will reduce heat gain by removing the direct exposure to the sun. They also add a nice area to enjoy company during the cool of the evening.

C. Condensation

NOTE

The manufacturer of this air conditioner will not be responsible for damage caused by condensed moisture on ceilings or other surfaces. Air contains moisture and this moisture tends to condense on cold surfaces. When air enters the RV, condensed moisture may appear on the ceiling, windows, metal parts, etc. The air conditioner removes this moisture from the air during normal operation. Keeping doors and windows closed when this air conditioner is in operation will minimize condensed moisture on cold surfaces.

2. PRECAUTIONS

WARNING

IMPROPER INSTALLATION MAY DAMAGE EQUIPMENT, COULD ENDANGER LIFE, CAUSE SERIOUS INJURY AND/OR PROPERTY DAMAGE.

- A. Read Operating Instructions carefully before attempting to start your air conditioner.
- B. The Dometic Corporation will not be liable for any damages or injury incurred due to failure in following these instructions.
- C. Installation must comply with the National Electrical Code and any State or Local Codes or regulations.

- D. DO NOT add any devices or accessories to this air conditioner except those specifically authorized by Dometic.
- E. This equipment must be serviced by qualified personnel and some states require these people to be licensed.

3. OPERATING INSTRUCTIONS

A. COOLING OPERATION

1. Place the **Temperature Set Lever** to desired temperature level (located at right side of thermostat).
2. Select fan speed that best satisfies your needs: (switch located at lower center of thermostat).
 - a. **High Speed:** Selected when maximum cooling and dehumidification are required.
 - b. **Low Speed:** Selected when RV reaches desired comfort level and needs to be maintained. Normally this speed is used for nighttime operation.
3. Select **Auto/On Switch** operation as follows: (switch located at upper center of thermostat)
 - a. **Auto Position:** Air conditioner fan runs whenever cooling is required and stops whenever cooling is not required.
 - b. **On Position:** Air conditioner fan runs continuously to circulate air in RV.
4. Set the **System Switch** to cool position (located at left side of thermostat).

The air conditioner compressor will now come on when cooling is required and cycle off when the temperature level selected is reached.

CAUTION

Wait at least two (2) minutes before restarting the air conditioner after shutting off with either the Heat/Off/Cooling Switch or the Temperature Set Lever. This allows the refrigerant pressure in the air conditioner to equalize and will allow the compressor to restart easily. Failure to follow this instruction may cause circuit breakers or fuses to open.

B. FURNACE OPERATION

(If Furnace is connected to Thermostat)

1. Set the **Temperature Set Lever** to desired temperature level (located at right of thermostat).
2. Set the **System** switch to furnace position (located at left side of thermostat).

The furnace will now come on when heat is required and cycle off when temperature level selected is reached.

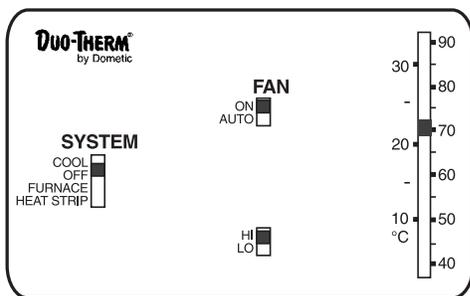
C. SPECIAL FEATURE:

When thermostat:

1. **System Switch:** is in the OFF or FURNACE position and
2. **Auto/On Switch:** is in the ON position, the air conditioner fan will run continuously at selected fan speed to circulate the air inside the RV.

Electric Heat Strip

1. Set the **Temperature Set Lever** (located at right of thermostat) to desired temperature level.
2. Set the **System Switch** (located at left side of thermostat) to heat strip position.



4. MAINTENANCE

AIR FILTER: Periodically remove the return air filter. Wash the filter with soap and warm water; let dry and then reinstall or replace as required.

NOTE: Never run the air conditioner without return air filter in place. This may plug the unit evaporator coil with dirt and may substantially affect the performance of the unit.

5. SERVICE - Unit Does Not Operate

If your unit fails to operate or operates improperly, check the following before calling your service center.

- A. If your RV is connected to motor generator, check to be sure motor generator is running and producing power.
- B. If RV is connected to power supply by a land line, check to be sure line is sized properly to run air conditioner load and it is plugged into power supply.
- C. Check your 115 VAC fuse or circuit breaker to see if it is open.
- D. After the above checks, call your local service center for further help. This unit must be serviced by qualified service personnel only.

When calling for service, always give the following:

- A. Air Conditioner Model Number and Serial Number found on Rating Plate located on Base Pan of Air Conditioner.
- B. Analog Relay Kit Part Number and Serial Number found on Rating Plate located on side of Kit.

Return Air Grille must be removed from Return Air Cover to view these Rating Plates.

OPERATING INSTRUCTIONS ON QUICK COOL RETURN COVER KIT, IF INSTALLED:

The air conditioner in a recreational vehicle is typically located in the front 1/3 of the vehicle. This area also contains the primary living/cooking area of the RV. The design of your quick cool return air cover provides for large volume of very cool air to be delivered to this area. The large volume of cool air will provide this area rapid cool-down during extremely hot conditions.

A. To use this feature to its full advantage, do the following:

1. Open the register completely on quick cool return air cover.
2. Close all other registers on your ceiling ducted system to provide maximum cooling effect in local area.
3. Turn your A/C controls so they operate the A/C at High Fan Speed and Maximum Cooling.
4. Operate your air conditioner in this manner until the local area cools sufficiently.

B. After local area cools sufficiently, do the following:

1. Open registers in your ceiling ducted system to original position.
2. Close register on your quick cool return air cover fully or partially, depending upon your personal preference.
3. Turn your A/C controls to setting you desire in the normal manner.