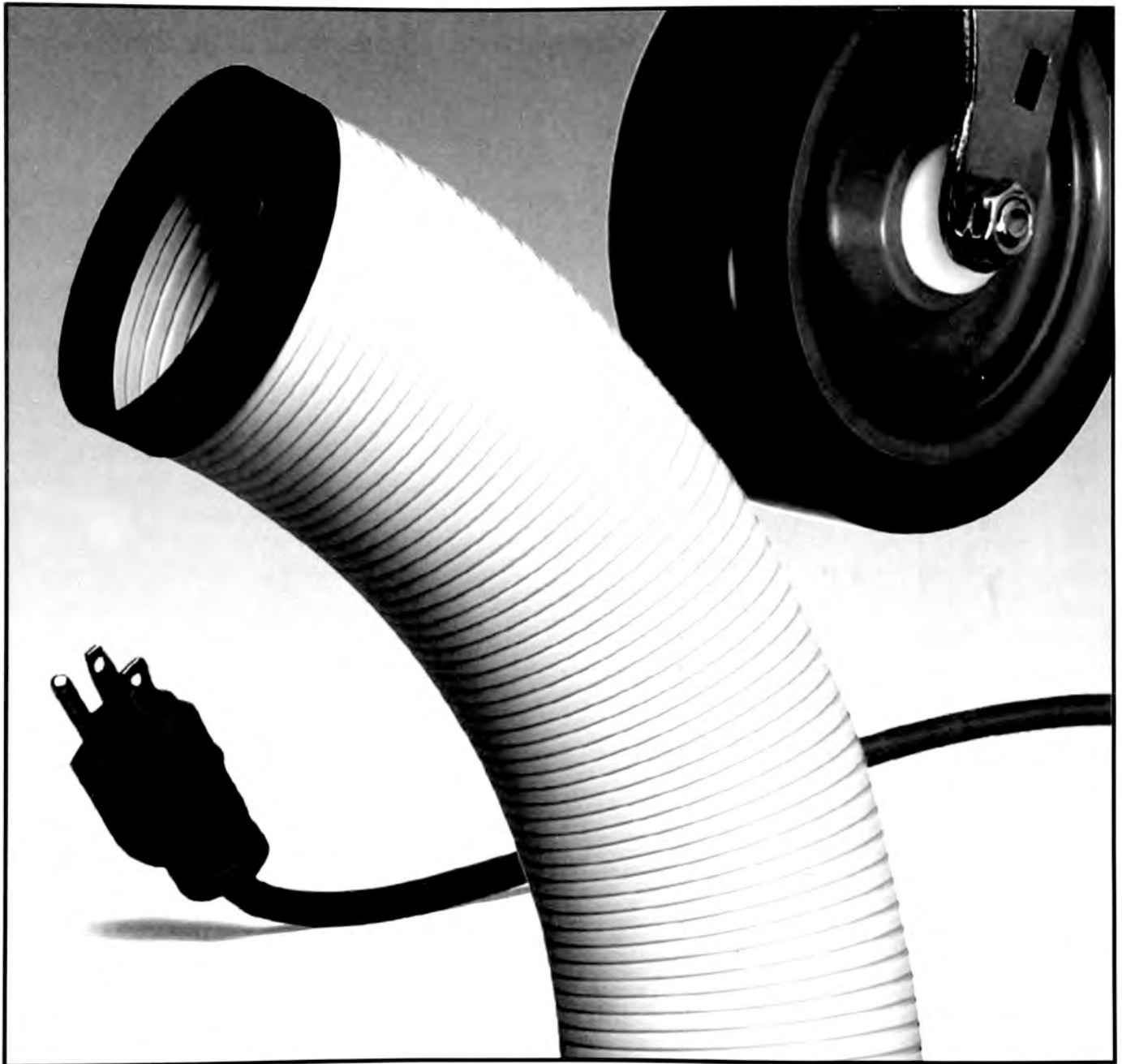


OPERATION MANUAL

MOVIN**COOL**[®]
PC
7



READ THIS MANUAL CAREFULLY FOR INSTRUCTIONS ON CORRECT INSTALLATION,
USAGE AND ALL SAFEGUARDS.





LIMITED WARRANTY

DENSO SALES CALIFORNIA, INC. ("DENSO") warrants its MOVINCOOL Products only to the extent stated in its official written warranties. Unless otherwise specifically provided in writing by DENSO, DENSO warrants to end-user that the Products shall be free of defects in materials or workmanship and will function in accordance with DENSO's published specifications under ordinary intended use and service for a period of twelve (12) months after purchase date to the end-user. DENSO shall, at its sole option, repair or replace any defective Product covered by this warranty. Such remedy shall be end-user's sole remedy with respect to any particular defect in the Products.

This warranty does not cover defects or malfunctions which result from causes beyond DENSO's control, including, without limitation, (i) unusual physical or electrical stress; (ii) accident, neglect, abuse, misuse or other abnormal use; (iii) failure to perform routine maintenance in accordance with DENSO'S recommended procedures; (iv) normal wear and tear; (v) repairs or attempted repairs by an unauthorized person; (vi) modifications or alterations to the Products; (vii) use with supplies or devices not supplied or approved by DENSO; or (viii) improper servicing. This warranty shall extend only to the original end-user and shall be void if any labels or other identifying marks permanently affixed to Products when shipped by DENSO are removed, altered, defaced or obliterated.

The aforesaid warranty is the only warranty made by DENSO with respect to the Products and is in lieu of all obligations or liabilities on the part of DENSO for damages arising out of or in connection with the sale, use or performance of the Products, including, without limitation, any lost profits or any other consequential, incidental, special or exemplary damages of any kind. DENSO DISCLAIMS ALL OTHER WARRANTIES WITH REGARD TO THE PRODUCTS, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN.

PURCHASE DATE: _____

SERIAL NUMBER: _____

DEALER NAME: _____

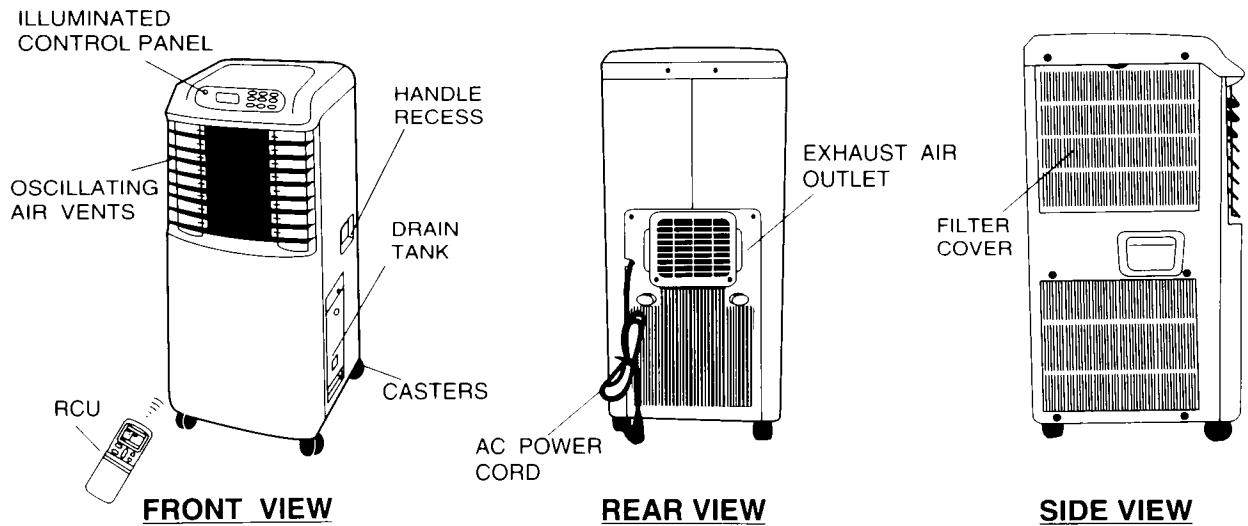
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UNIT PARTS IDENTIFICATION

Model: MOVINCOOL PC7





CAUTION



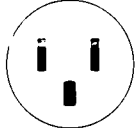
Do not leave this unit unattended in a space where people or animals who cannot react to a failed unit are located. A failed unit can cause extreme overheating or death in such an enclosed, unattended space.

Electrical Specifications

1. All wiring must comply with local and national electrical codes and be installed by a qualified electrician. If you have any questions regarding the following instructions, contact a qualified electrician.
2. Check available power supply and resolve any wiring problems BEFORE installation and operation of this unit.
3. This unit draws 9.0 amps (nameplate rated) under Cooling Mode and 10.8 amps (nameplate rated) under Heating Mode and may be used in any properly wired, general purpose 15 amp household grounded receptacle.
4. For your safety and protection, this unit is grounded through the power cord plug when plugged into a matching wall outlet. If you are not sure whether the wall outlets in your home are properly grounded, please consult a qualified electrician. **DO NOT USE PLUG ADAPTERS OR EXTENSION CORDS WITH THIS UNIT.** If it is necessary to use an extension cord with this unit, use an approved "air conditioner" extension cord only. (available at most local hardware stores)

5. The manufacturers nameplate is located on the rear panel of the unit and contains electrical and other technical data specific to this unit.
6. To avoid the possibility of personal injury, always disconnect the power supply to the unit, before installing and/or servicing.

Table 1	
Suggested Individual Branch Circuit	
Nameplate Amps	AWG Wire Size*
9.0 to 10.8	14
AWG- American Wire Gage	
* Based on copper wire at 140°F temperature rating.	

Table 2	
Receptacle and Fuse Types	
Rated Volts	125
Amps	15
Wall Outlet	
Fuse Size	15
Time Delay Fuse (or circuit breaker)	Plug Type

NOTE: HEAT is for heating/cooling models only	
Unit Specifications:	Cooling models
Cooling Capacity	6800 Btu/h
Cooling system	Direct expansion
Dehumidifying Capacity	68 Pints
Noise Level	Less than 54 dB(A)
Line voltage	Single phase 115 V / 60 Hz
Refrigerant/compressor type	R22/hermetic rotaey
Internal Water Tank Capacity	5.5 L (11.6 Pints)
Unit Weight	38 kg (83.7 lb.)
Unit Dimensions (inches) W x D x H	15 ¹ / ₄ " x 18" x 32 ⁵ / ₈ "
Unit Dimensions (cm) W x D x H	38.7 x 45.6 x 82.9
Fan Speeds/type of fan/cfm-high	3/centrifugal/178
Control Panel (Illuminated)	Soft Touch Controls
Remote Control	Yes
Time of Day Clock	Yes
Auto – Timer	Yes
Power Consumption:	
Cooling	1050 Watts (9.0 Amps)
Dehumidifying	1050 W (9.0 Amps)
Fan	90 W (0.8 Amps)
Rating conditions	
Dry bulb	81° F(27°C)
Wet bulb	67° F(19.5°C)
Humidity(relative)	50°/0

NOTE: Specifications are subject to change without notice, for further improvements.

Energy-Saving Tips

This appliance is designed to be highly efficient in energy savings. Follow these recommendations for greater efficiency.

- 1) Select a thermostat setting that suits your comfort needs and leave at that chosen setting.
- 2) The air filter is very efficient in removing airborne particles. Keep the air filter clean at all times.
- 3) Use drapes, curtains or shades to keep direct sunlight from penetrating and heating room, but do not allow drapes or curtains to obstruct the air flow around the unit.

- 4) Start your air conditioner before the outdoor air becomes hot and uncomfortable. This avoids an initial period of discomfort while the unit is cooling off the room. Use of the automatic start/stop programmable **TIMER** feature can be a major asset in this regard if utilized to the fullest extent.
- 5) When outdoor temperatures are cool enough, turn the air conditioner off and use the **FAN MODE** on **HIGH, MED** or **LOW**. This circulates indoor air, providing some cooling comfort and utilizes less electricity.

Window Installation



Electric Shock Hazard

To avoid the possibility of personal injury, disconnect power to the unit before installing or servicing.



CAUTION



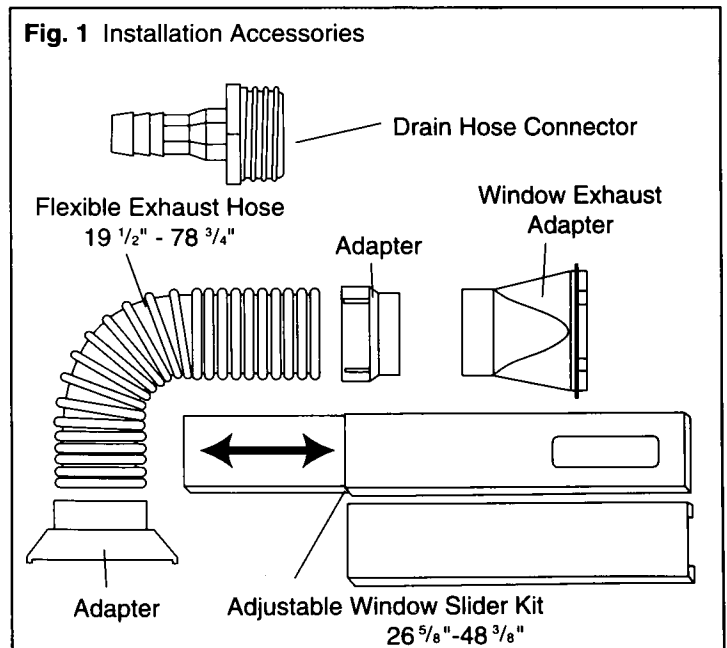
To avoid installation/operation difficulties, read these instructions thoroughly.

The exhaust/window kit must be installed at all times when the unit is operating under the **COOL** mode.

There should be at least 11.8" (30 cm) clearance between the unit and any other objects or building structure. The unit should be installed on a level surface. The window dit does not have to be installed during operation of the remaining three modes. (Heating/Dehumidifying/Fan).

Installation Accessories *Fig. 1*

Description	Quantity
Flexible exhaust hose with adapters3/set stretches from 19 1/2" (50 cm) up to 78 3/4" (200 cm)	
Window exhaust adapter (flat mouth)1pc	
Adjustable window slider kit 2/set from 26 5/8" (67.5 cm) up to 48 3/8" (123cm)	
Drain hose connector1 pc continuous drain option (hose not included)	
SPECIAL NOTE: Exterior drain hose extension (direct drain) is not included with this unit and can be purchased through any local Hardware Store.	



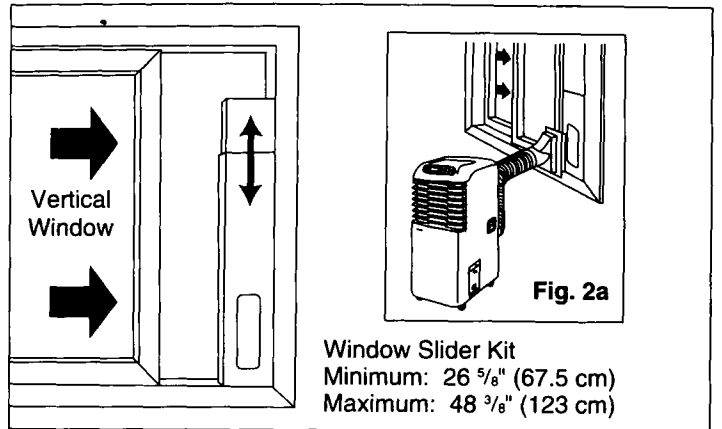
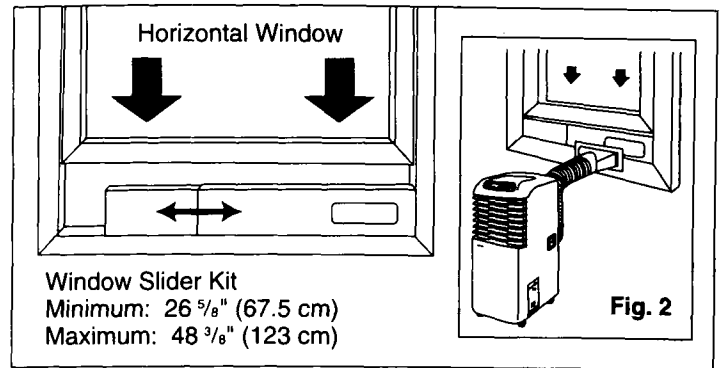
Window Kit Installation

Your window kit has been designed to fit most standard "vertical" and "horizontal" window applications. However, **it may be necessary for you to improvise/modify some aspects of the installation procedures for certain types of windows.** Please refer to *Fig. 2* & *Fig. 2a* for minimum and maximum window openings.

Water Tank Safety Feature

This unit is equipped with a fail-safe switch mechanism which prevents the unit from condensing water in the event the water tank is accidentally displaced, and/or **FULL** with water. If this situation occurs, the unit will signal **8 BEEPS** and the **WATER FULL** indicator light will flash red continuously until the water tank is correctly positioned and/or emptied.

NOTE: The fan motor will continue to operate under this condition. This is normal, but no cooling or dehumidifying will occur until the tank is emptied and/or correctly installed (It may take several minutes before the compressor resumes normal operation).



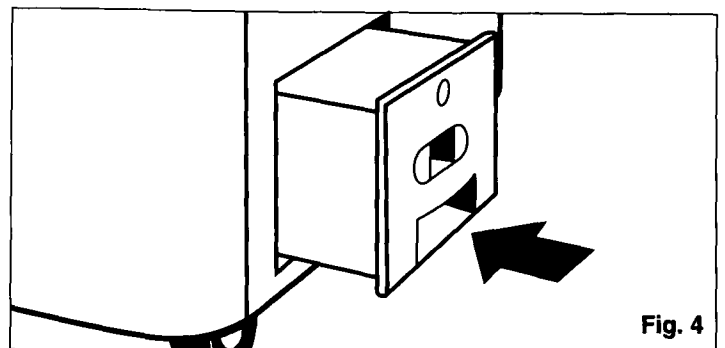
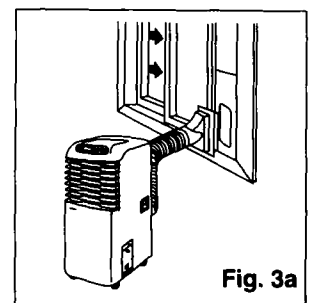
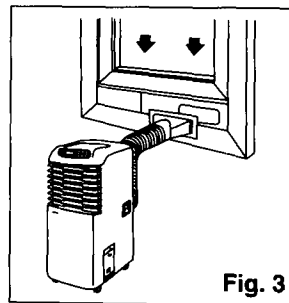
Operating Instructions

Before Starting This Unit

- 1) Select a suitable location, making sure you have easy access to an electrical outlet.
- 2) Install the **Flexible Exhaust Hose** and the **Adjustable Window Slider Kit** as depicted in *Fig. 3* & *Fig. 3a*.

NOTE: Step 2 is required only while using the COOL MODE

- 3) Plug the unit into a 115 V /60 Hz grounded electrical outlet.
DO NOT USE AN EXTENSION CORD.
- 4) Make sure the **Water Tank** is correctly positioned inside the cabinet otherwise the unit will not operate. *Fig. 4*.
- 5) To turn the unit on, press the **I/O** key (On / Off Switch).



Key Pad Functions Fig. 5

I/O: Power Switch On / Off.

MODE: Selects the appropriate operating mode..

Cool-Heat-Dry (Dehumidifier)-Fan.

Note: "Heat Mode" is for Heating/Cooling Model only.

MODE Indicator Lights: Illuminates under the different mode settings Fig. 6;

COOL Mode: Green Light

DRY Mode: Green Light

FAN Mode: No indicator light

Green Light: Remains on while compressor is *operating*. Green light turns off when desired temperature is achieved. **Applicable to both COOL and DRY MODE.**

Red Light: Remains on while heater is operating. Red light turns off when desired temperature is achieved.

Water Full Indicator Light: Flashes red when the water level of the water tank exceeds the maximum set level or if the water tank is not correctly positioned in the cabinet. Fig. 7.

FAN: Selects **High-Medium-Low** fan speeds.

Fan Options:

Cooling (3 speeds) **High-Medium-Low.**

Dry - Dehumidifying (1 speed) **Medium.**

Fan (3 speeds) **High-Medium-Low.**

△ : Used to adjust (forward) Time of Day Clock settings (1 min. Increments).
Used to adjust (forward) Temperature settings (2°F increments).
Used to adjust (forward) Auto-Timer settings (10 min. increments)

▽ : Used to adjust (backward) Time of Day Clock settings (1 min. increments).
Used to adjust (backward) Temperature settings (2°F increments).
Used to adjust (backward) Auto-Timer settings (10 min. increments)

SWING: Allows the vertical louver grills to oscillate back and forth automatically (70° Swing).

CLOCK: Allows you to initiate and/or change the **TIME OF DAY** setting.

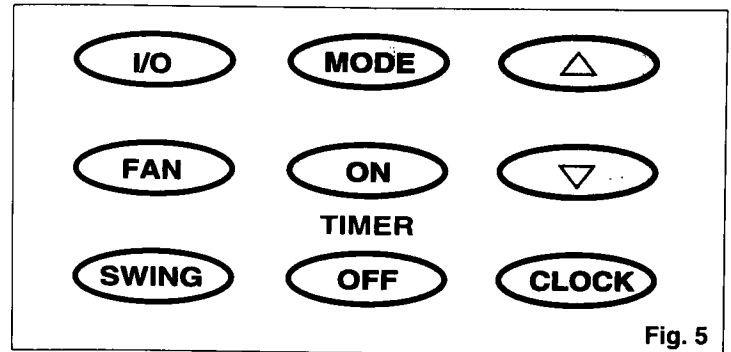


Fig. 5

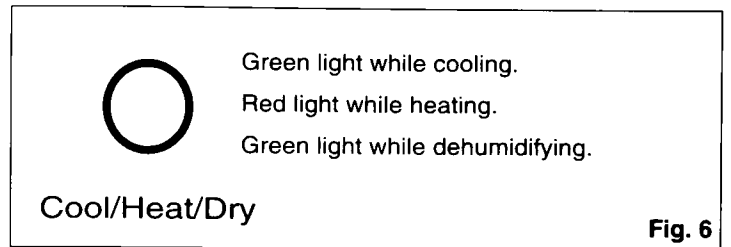


Fig. 6

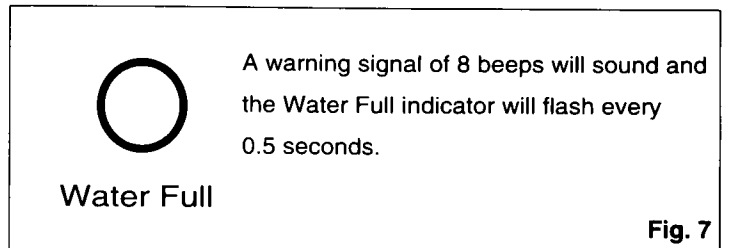


Fig. 7

Temperature Conversion Chart	
°C	10 11 12 13 14 15 16 17 18 19 20 21
°F	50 52 54 55 57 59 61 63 64 66 68 70
°C	22 23 24 25 26 27 28 29 30 31 32 33
°F	72 73 75 77 79 81 82 84 86 88 90 91

TIMER ON: Used to initiate the **AUTO ON** start time program, in conjunction with the **△** & **▽** key pads.

TIMER OFF: Used to initiate the **AUTO OFF** stop time program, in conjunction with the **△** & **▽** key pads.

NOTE: This appliance provides a feature that will allow you the option of setting "temperatures" in "Celsius" or "Fahrenheit".

To change the temperature display on the main unit, press the (Temp/Clock) "**▽**" keypad & "Clock" keypad "simultaneously" to alternate between the °C & °F scale

Celibus scale allows adjustments in 1°C increments.

Fahrenheit scale allows adjustments in 2°F increments.

Setting TIME OF DAY (Clock) Instructions:

1) Push and hold the **CLOCK** key pad for three (3) seconds. The clock display will flash indicating "12:00" for approximately 10 seconds.

Fig. 8.

2) Push either the Δ or ∇ key pad, to enter the correct time of day. Each depression of the key pad will increase or decrease the time of day setting (1 minute increments). *Fig. 9.*

3) When the correct time of day has been established in the display window, push the **CLOCK** key pad again to activate the **TIME OF DAY** clock setting. The "colons" between the **TIME OF DAY** will start to flash indicating the clock is operational.

Important Note: Any interruption to the electrical power supply will automatically cancel the **TIME OF DAY** clock program. In the event this should happen, you will be required to re-set the clock program. The unit will have to be turned on again by pressing the I/O button.

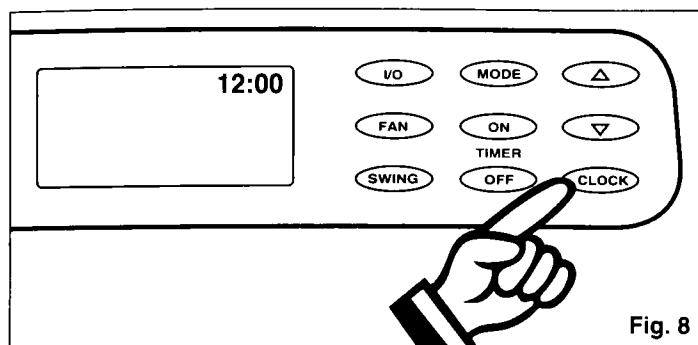


Fig. 8

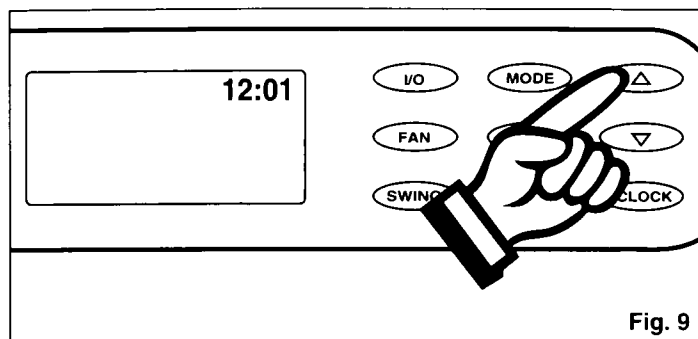


Fig. 9

Air Conditioner Operating Instructions

1) Install the **Flexible Exhaust Hose** *Fig. 10* and the **Adjustable Window Slider Kit** as depicted in *Fig. 2, 2a (pg. 5)*.

2) Press the **I/O** (on/off) key pad to switch on the unit.

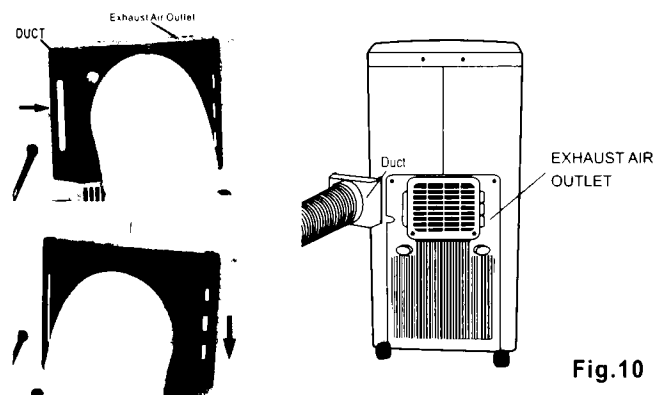


Fig.10

3) Press the **MODE** key until the word **COOL** is displayed in the **LCD (Liquid Crystal Display)** window. *Fig. 12.* Each depression of the **MODE** key will advance to a different mode setting (**Cool-Heat-Dry-Fan**).

Note: "Heat" is for Heating/Cooling Model only.

4) Press the appropriate Δ or ∇ key to select a suitable temperature setting. The temperature selected will be indicated in the **LCD (Liquid Crystal Display)** window.

Temperature settings are adjustable between 62°F to 88°F. *Fig. 13.*

The **green** indicator light will come on indicating the air-conditioning mode is operational (there may be a slight delay of 10-30 seconds before the cycle begins, this is normal).

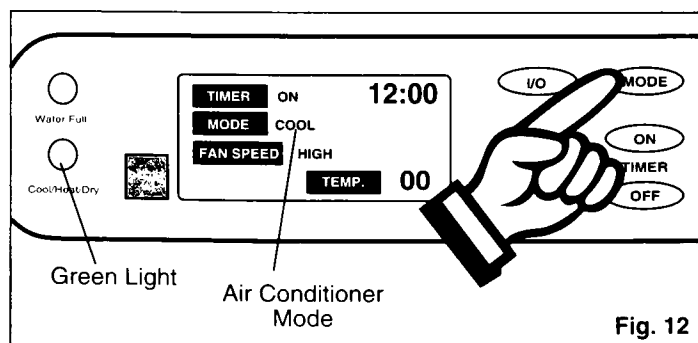


Fig. 12

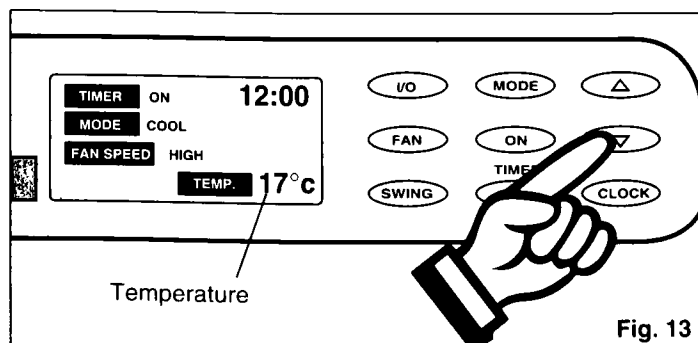
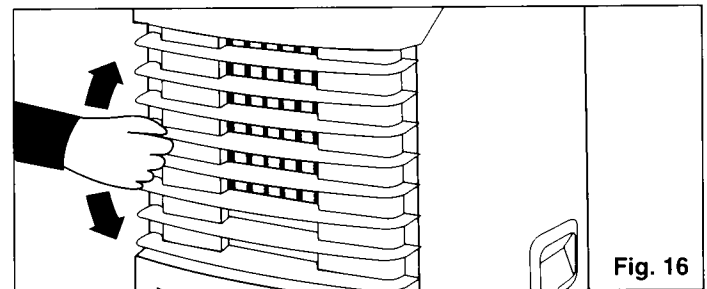
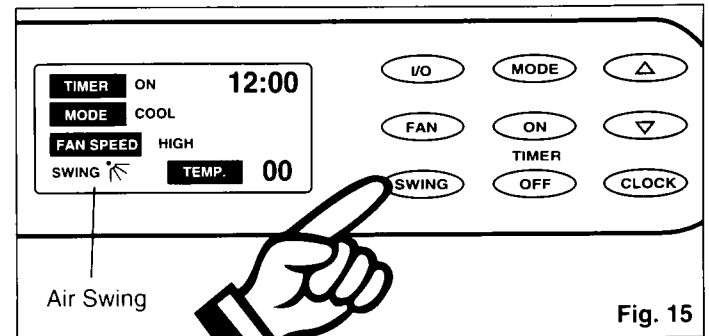
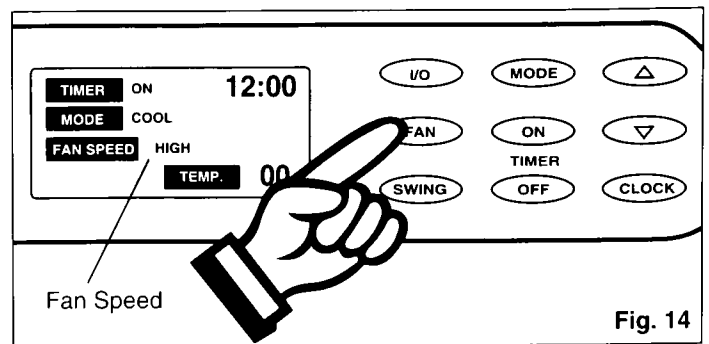


Fig. 13

Air Conditioner Operating Instructions (cont'd)

- 5) Press the **FAN** key to select the desired fan speed setting (**High-Med-Low**). See Fig. 14. Your selection will be displayed in the **LCD** window (each depression of the fan key will advance to a different setting).
- 6) Press the **SWING** key to activate the automatic air swing (oscillating) feature (the "air swing" symbol will appear in the **LCD** window). Fig. 15. To deactivate the air swing feature, press the **SWING** key again.
- 7) Condensed water will be accumulated in the water tank. When the tank is full, the unit will sound a signal (**8 beeps**) and the **Water Full** indicator light start flashing. At this time the air conditioning process will immediately stop. However, the fan motor will continue to operate (this is normal). Carefully remove the water tank from the cabinet and dispose of the water. Replace the water tank back to its original position (in cabinet) and the air conditioning process will automatically resume. It may take 3-5 minutes for the compressor to re-start. This is normal.
- 8) To adjust "air flow" direction, (up / down only) adjust any one of the **Horizontal Louver Blades (excluding the top or bottom louver)** and the remaining louvers will automatically adjust to the set position (**excluding the top and/or bottom louvers**). Fig. 16.



Cooling stops automatically when the set temperature is achieved. Cooling resumes when the room temperature rises above the set temperature level. The temperature has no effect on the fan operation. Therefore, the fan will operate continuously (after the compressor has cycled off) to maintain optimal temperature control.

CAUTION

During air conditioning, if the compressor cycle is interrupted (**power failure etc.**), a "compressor protection circuit" is self-activated. This will cause the indicator mode light to flash "**green**" for approximately 10 seconds. The **compressor is not operational during a "compressor protection circuit" mode (this is normal)**. It may take 3-5 minutes before the "protection circuit" self-deactivates. The compressor will re-start automatically at the end of this phase.

DO NOT ATTEMPT TO START THE COMPRESSOR DURING THIS PERIOD

ATTENTION

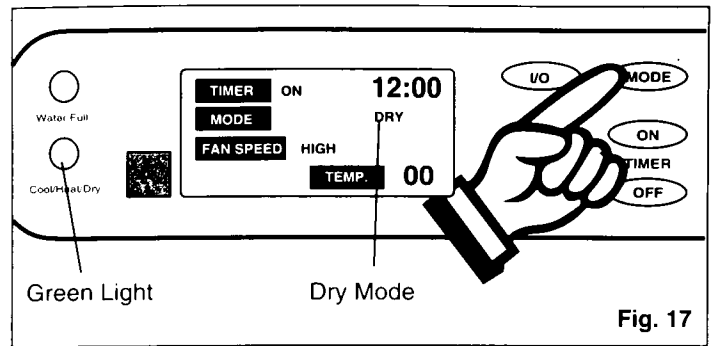
Removal and/or partial displacement of the water tank will cause the compressor to stop operating (this is a safety feature). This condition will cause the unit to "beep 8 times" and the "water full" light will flash (**red**) continuously until corrected. The **compressor cannot operate during a flashing "red" light condition**. Check the following;

1. *Is the water tank full?*
Empty and re-install water tank.
2. *Has the water tank been accidentally displaced?*
Re-position water tank.

The "red" light will stop flashing automatically when the water tank has been emptied and/or correctly re-positioned.

DRY (Dehumidifier) Operating Instructions

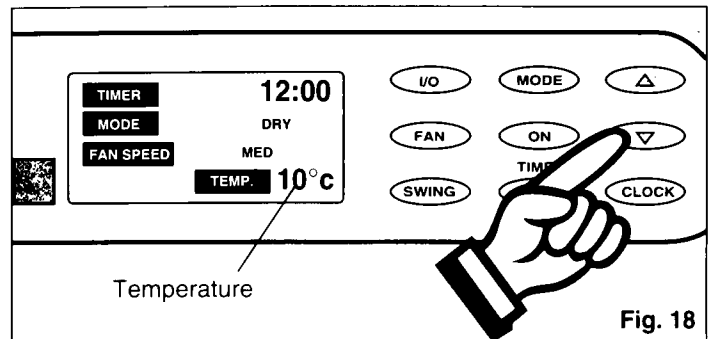
- 1) Press the **I/O** (on/off) key pad to switch on the unit.
- 2) Press the **MODE** key until the word **DRY** (Dehumidifying) is displayed in the **LCD** display window. *Fig. 17*. Each depression of the **MODE** key will advance to a different mode setting (**Cool-Heat-Dry-Fan**).



- 3) Press the appropriate Δ or ∇ key to set a dehumidifying temperature between 10°C (50°F) to 30°C (86°F). *Fig. 18*. The **green** indicator light will come on indicating the dehumidifying mode is operational (there may be a slight delay of 10-30 seconds before the cycle begins, this is normal).

IMPORTANT: The temperature selected should always be set a few degrees lower than the room ambient temperature, to ensure normal dehumidifying operation. However, **it is not recommended to operate your Dehumidifier, below temperatures of 15.5°C (60°F)**, this could result in icing-up conditions of the evaporator coils, minimizing efficiency. Under the dehumidifying mode, you cannot select a fan speed. The fan motor operates at a pre-set speed, which registers as **MED** in the **LCD** window.

- 4) Condensed water will be accumulated in the water tank. When the tank is full, the unit will sound a signal (**8 beeps**) and the **Water Full** indicator light start flashing. At this time the dehumidification process will immediately stop. However, the fan motor will continue to operate (this is normal). Carefully remove the water tank from the cabinet and dispose of the water. Replace the water tank back to its original position (in cabinet) and the Dehumidifying process will automatically resume. It may take 3-5 minutes for the compressor to re-start. This is normal.
- 5) This unit also has provisions for a continuous "drain" option (for basement applications having a floor drain). The required drain hose extension is not included with this unit. It can be purchased through any local Hardware Store. Drain Hose Specifications: Standard garden hose.

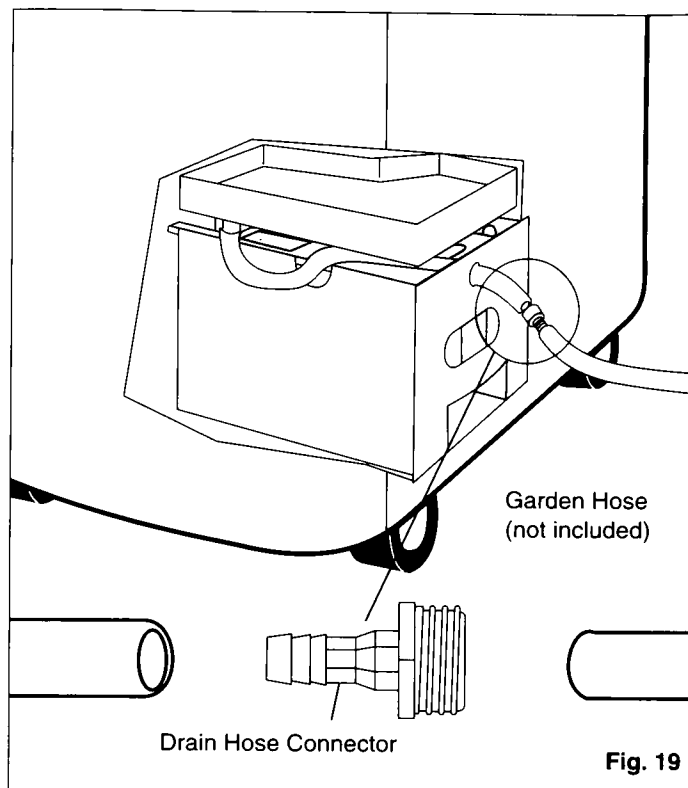


DRY (Dehumidifier) Operating Instructions (cont'd)

- 6) To connect the continuous drain option. Remove the water tank from the cabinet. Inside the cabinet (water tank area) you will find a section of hose hanging beside the water tank, which is **plugged/capped** at the end. Remove the **plug** from the end of the hose and install the **drain hose connector** (included with this unit) into the end of this hose section. Route the end of the hose (with drain connection) into the water tank, then through the hole provided in the face of the water tank. Attach a section of **Garden Hose** (to suit your continuous drain option requirements) to the drain hose connector. Place the open end of the hose directly over the drain area in your basement floor. *Fig. 19.*

IMPORTANT: Please make sure the drain hose section routed through water tank does not interfere with the correct positioning of the water tank inside the cabinet, or the **fail-safe switch mechanism** will be activated, not allowing the unit to operate.

- 7) You must remember to reverse the continuous drain option procedure **re-cap/plug** the **internal drain hose** and/or leave the **internal drain hose** (unplugged) inside the water tank, when re-locating your unit to a location (room) where continuous draining is not possible. **Failure to comply with these procedures will result in flooding.**



CAUTION

During dehumidifying, if the compressor cycle is interrupted (**power failure etc.**), a "compressor protection circuit" is self-activated. This will cause the indicator mode light to flash "**green**" for approximately 10 seconds. The **compressor is not operational during a "compressor protection circuit" mode (this is normal)**. It may take 3-5 minutes before the "protection circuit" self-deactivates. The compressor will re-start automatically at the end of this phase.

DO NOT ATTEMPT TO START THE COMPRESSOR DURING THIS PERIOD

ATTENTION

Removal and/or partial displacement of the water tank will cause the compressor to stop operating (this is a safety feature). This condition will cause the unit to "beep 8 times" and the "water full" light will flash (**red**) continuously until corrected. The **compressor cannot operate during a flashing "red" light condition**. Check the following;

1. *Is the water tank full?*
Empty and re-install water tank.
2. *Has the water tank been accidentally displaced?*
Re-position water tank.

The "red" light will stop flashing automatically when the water tank has been emptied and/or correctly re-positioned.

Heater Operating Instructions (For Heating/Cooling Models Only)

- 1) Press the **MODE** key until the word **Heat** is displayed in the **LCD** window. *Fig. 20*. Each depression of the **MODE** key will advance to a different mode setting (**Cool-Heat-Dry-Fan**). The **red** indicator light will come on indicating the "Heating" mode is operational (there may be a slight delay of 5-10 seconds before the cycle begins, this is normal).

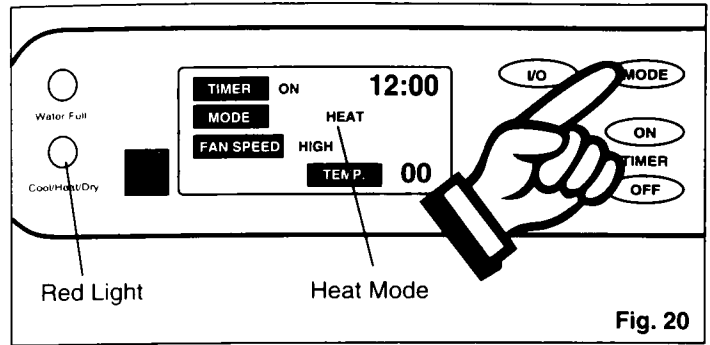


Fig. 20

- 2) Press the appropriate Δ or ∇ key to select a suitable temperature between 62°F to 88°F. *Fig. 21*.

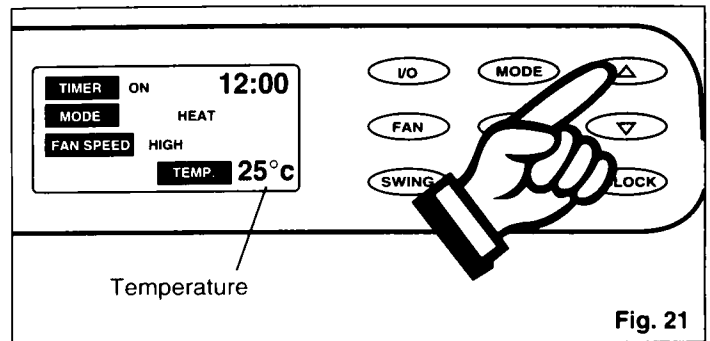


Fig. 21

- 3) Press the **FAN** key to select the desired fan speed setting (**High-Low**). Your selection will be displayed in the **LCD** window. Each depression of the fan key will alternate between the different fan speed settings. *Fig. 22*.

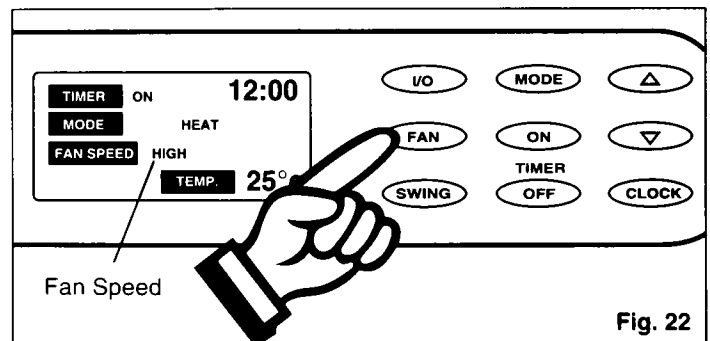


Fig. 22

- 4) Press the **SWING** key to activate the automatic air swing (oscillating) feature, (the "air swing" symbol will appear in the **LCD** window). *Fig. 23*. To deactivate the air swing feature, press the **SWING** key again.

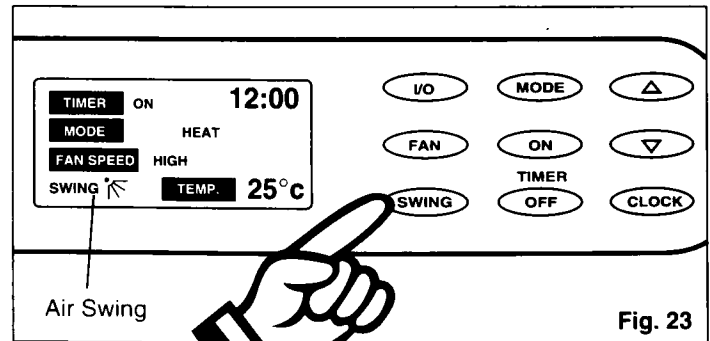


Fig. 23

- 5) To adjust "air flow" direction, (up / down only) adjust any one of the **Horizontal Louver Blades** (excluding the top or bottom louver) and the remaining louvers will automatically adjust to the same position. *Fig. 24*.

Heating stops automatically when the room temperature reaches the desired setting. The "red" indicator mode light will close. Heating will resume when the room temperature falls below the established temperature setting.

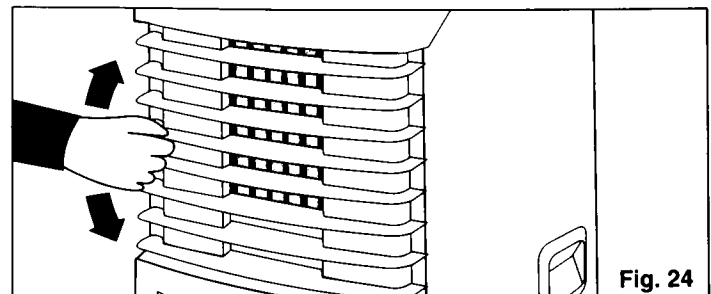
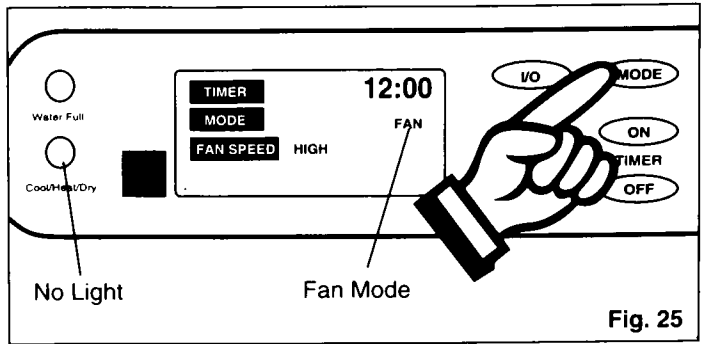


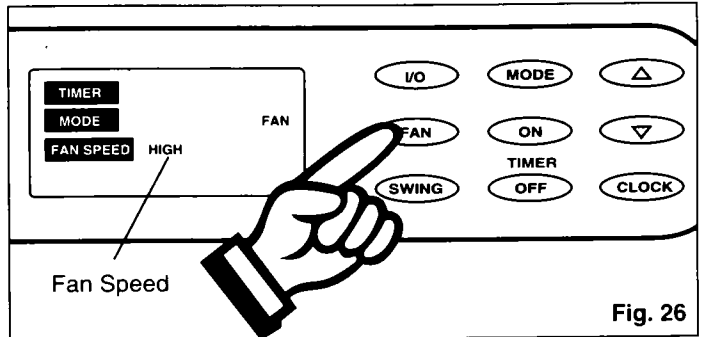
Fig. 24

Fan Operating Instructions

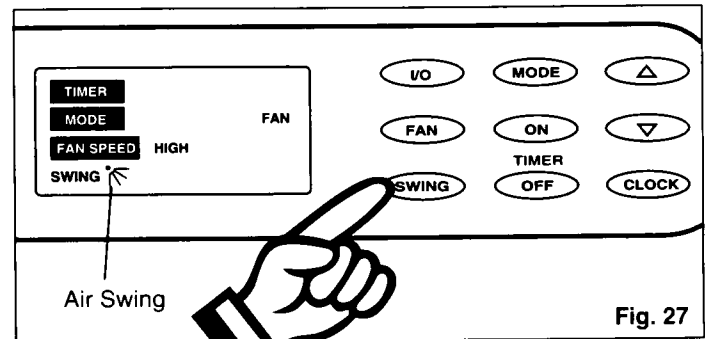
- 1) Press the **I/O** (on/off) key pad to switch on the unit.
- 2) Press the **MODE** key until the word **FAN** is displayed in the **LCD** window. *Fig. 25*. Each depression of the **MODE** key will advance to a different mode setting (**Cool-Heat-Dry-Fan**). No indicator mode light is visible during operation of the **FAN** mode (this is normal).



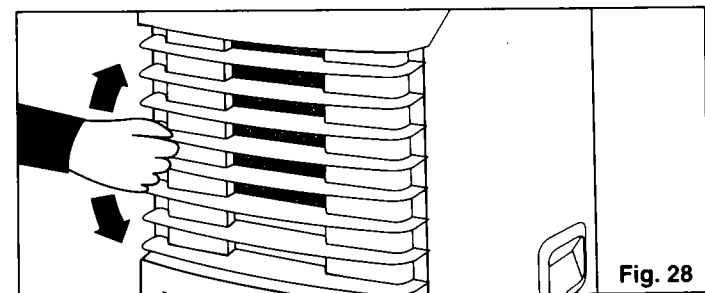
- 3) Press the **FAN** key to select the desired **FAN SPEED** setting. *Fig. 26*. Your selection will be displayed in the **LCD** window. Each depression of the fan key will advance to a different speed (**High-Med-Low**).



- 4) Press the **SWING** key to activate the automatic air swing (oscillating) feature (the air swing symbol will appear in the **LCD** window). *Fig. 27*. To deactivate the air swing feature, press the **SWING** key again.



- 5) To adjust "air flow" direction, (up / down only) adjust any one of the **Horizontal Louver Blades** (excluding the top and bottom louver) and the remaining louvers will automatically adjust to the same position. *Fig. 28*.



Auto-Timer Instructions

NOTE: The **TIME OF DAY CLOCK** must be set before the **AUTO-TIMER** feature will operate.

The **AUTO-TIMER** feature offers a unique selection of multiple choice, fully automatic on/off (start/stop) programs between 0 - 23 hrs, 50 min, under any one mode of your Movincool PC7 unit.

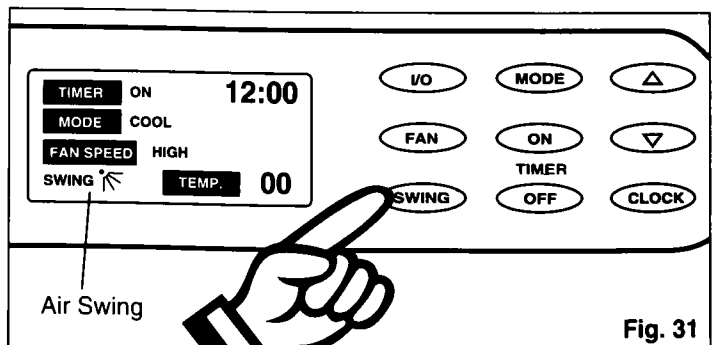
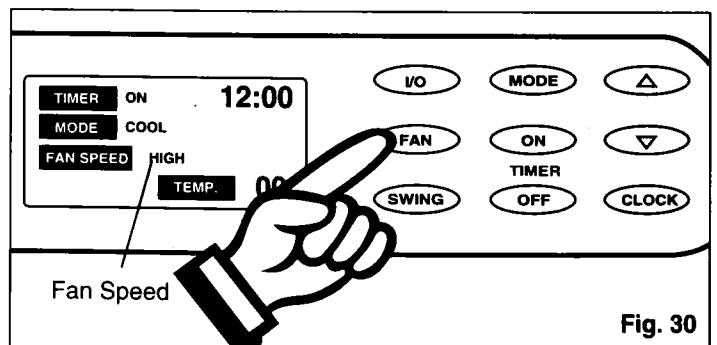
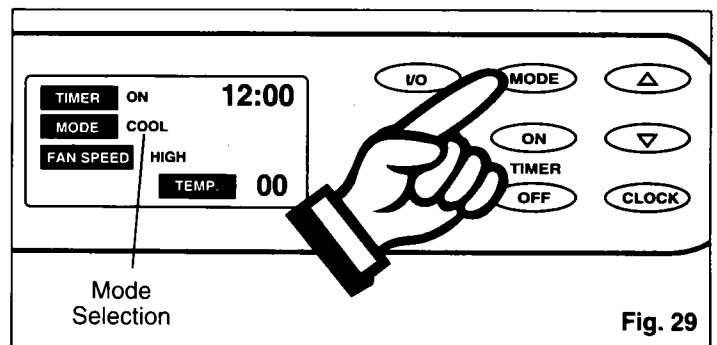
The programs are as follows:

- a) **Auto -Off:** Pre-select a time that will turn off the unit (automatically) at a specified time (between 0 - 23 hrs, 50 min.). This function must be performed daily, (if required) as the program is automatically canceled/erased upon completion.
- b) **Auto-On:** Pre-select a time that will turn on the unit (automatically) at a specified time (between 0 - 23 hrs, 50 min.). This function must be performed daily, (if required) as the program is automatically canceled/erased upon completion.
- c) **Auto-On & Auto-Off:** Pre-select a time that will turn on and turn off the unit (automatically) at specified times (between 0 - 23 hrs, 50 min.). This program contains built-in memory. Unlike programs a) and b) above. This program automatically stores into memory the selected times and will repeat daily, (same specified times) until the program is overridden and/or canceled. Any interruption to the electrical power supply of the unit automatically cancels/erases all **auto timed** programs. In the event this should happen, you will be required to re-set your program.

Setting the AUTO-ON TIMER

Before setting the **AUTO-ON** timer, the **TIME OF DAY CLOCK** must be set/operational. You must also select the appropriate **MODE** and settings (FAN SPEED, TEMP, SWING etc.) you will require under the **AUTO TIMED** program.

- 1) Turn the unit "on" (**I/O switch**).
- 2) Select the appropriate **MODE** under which you want the unit to operate (**Cool-Heat-Dry-Fan**). *Fig. 29.*
- 3) Select the appropriate **FAN SPEED** setting, under which you want the unit to operate. (**Hi, Med, Low**) (**excluding Dehumidifying, as this mode has "1" fan speed setting only**). *Fig. 30.*
- 4) If you desire **oscillation** (auto-swing) push the **SWING** key pad (the "air swing" symbol will be displayed in the display window). *Fig. 31.*



Setting the AUTO-ON TIMER (cont'd)

- 5) All of the settings are now registered. **TURN THE UNIT "OFF" USING THE I/O SWITCH.**
- 6) To set the **AUTO-ON** timer, the unit must be turned to the "off" position (non-operational).
- 7) Press the **TIMER-ON** key pad to initiate the **AUTO-ON** time sequence. *Fig. 32.* The display window will indicate **TIMER-ON** and the word **ON** will flash for 5 seconds. Press the Δ or ∇ key to select the desired **AUTO-ON** start time.

Fig. 32a.

∇ key pad will decrease the **AUTO-TIMED** setting in 10 minute increments.

Δ keypad will increase the **AUTO-TIMED** setting in 10 minute increments.

When the desired time is established, (the time will flash in the display window) press the **CLOCK** key pad to register the **AUTO TIMER-ON** program. The word **ON** will stop flashing and remain "on" (**TIMER ON**) indicating the program is set. The time of day clock setting will immediately revert back in the display window.

IMPORTANT: The desired **AUTO-ON** time must be registered within a 5 second period (after pressing the **TIMER-ON** key pad) otherwise the selected time will not register and the system will automatically revert back to the regular "time of day" clock setting. If this occurs, you must repeat step 7 again.

The unit will start automatically when the specified **AUTO-ON** time is achieved on the time of day clock (the "**TIMER ON**" prompt will disappear from the display window). To cancel or override the **AUTO-TIMED** program, simply turn on the unit before the **AUTO-ON** time is scheduled to operate (the "**TIMER ON**" prompt will disappear from the display window).

You can vary the **AUTO-ON** time selection anytime (prior to the program starting) by pressing the **TIMER-ON** key pad. The time you selected will appear (flash) temporarily (replacing the time of day) for approximately 5 seconds.

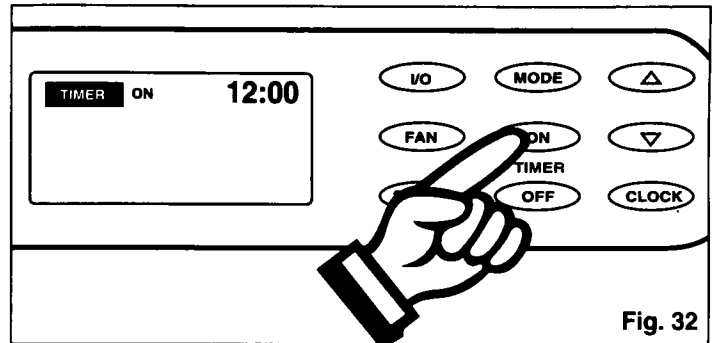


Fig. 32

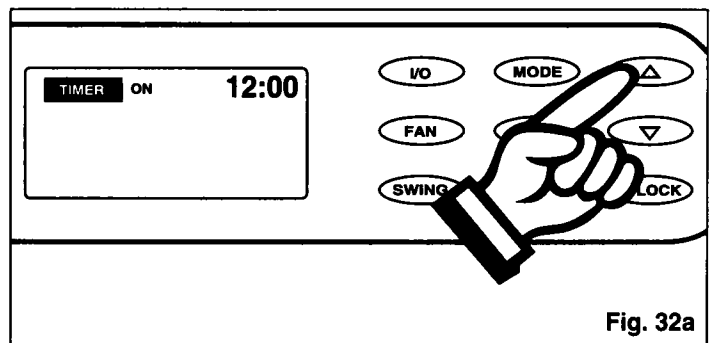


Fig. 32a

Setting the AUTO-OFF TIMER

Before setting the **AUTO-OFF** timer, the **time of day clock** must be set/operational.

- 1) To set the **AUTO-OFF** timer, the unit must be turned on (I/O switch) and operational.
- 2) Press the **TIMER-OFF** key pad to initiate the **AUTO-OFF** time sequence. Fig. 33. The display window will indicate **TIMER-OFF** and the word **OFF** will flash for 5 seconds. Press the Δ or ∇ key pad to select the desired **AUTO-OFF** time. Fig. 33a.

∇ key pad will decrease the **AUTO-TIMED** setting in 10 minute increments.

Δ keypad will increase the **AUTO-TIMED** setting in 10 minute increments.

When the desired time is established, (the time will flash in the display window) press the **CLOCK** key pad to register the **AUTO TIMER-OFF** program. The word **OFF** will stop flashing and remain "on" (**TIMER OFF**) indicating the program is set. The time of day clock setting will immediately revert back in the display window.

You can vary the **AUTO-OFF** time selection anytime by pressing the **TIMER-OFF** key pad. The time you selected will appear (flash) temporarily (replacing the time of day) for approximately 5 seconds.

IMPORTANT: The desired **AUTO-OFF** time must be registered within a 5 second period (after pressing the **TIMER-OFF** key pad) otherwise the selected time will not register and the system will automatically revert back to the regular "time of day" clock setting. If this occurs, you must repeat step 2 again.

The unit will stop automatically when the specified **AUTO-OFF** time is achieved on the time of day clock. To cancel or override the **AUTO-TIMED** program, simply turn off the unit manually, prior to the scheduled **AUTO-OFF** time.

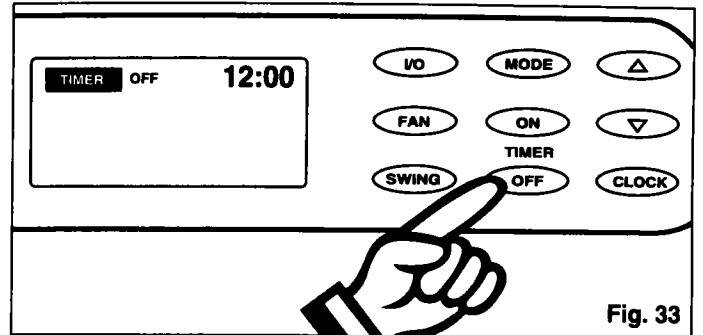


Fig. 33

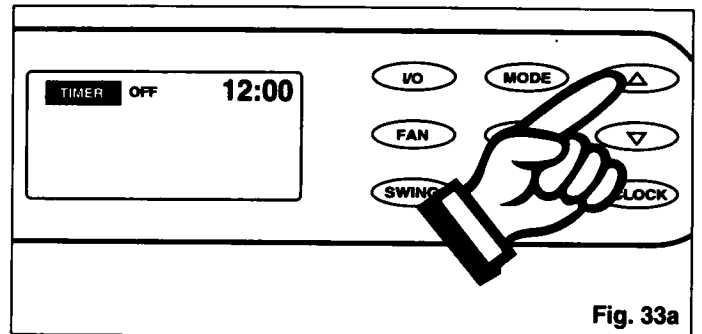


Fig. 33a

Setting the AUTO-ON & AUTO-OFF TIMER

Before setting the **AUTO-ON & AUTO-OFF Timer**, the **time of day clock** must be set/operational. You must also select the appropriate operating **MODE**. After the appropriate settings have been made, **turn off the unit**.

- 1) Press the **TIMER-ON** key pad to initiate the **AUTO-ON** time sequence. (Fig. 32). The display window will indicate **TIMER-ON** and the word **ON** will flash for 5 seconds. Press the \triangle or ∇ key pad to select the desired **AUTO-ON** start time. (Fig. 32a).
 ∇ key pad will decrease the **AUTO-TIMED** setting in 10 minute increments.
 \triangle keypad will increase the **AUTO-TIMED** setting in 10 minute increments.
When the desired time is established, (the time will flash in the display window) press the **CLOCK** key pad to register the **AUTO TIMER-ON** program. The word **ON** will stop flashing and remain "on" (**TIMER ON**) indicating the program is set. The time of day clock setting will immediately revert back in the display window.

The unit must remain "OFF" while programming the AUTO-OFF program.

- 2) Press the **AUTO-OFF** key pad to initiate the **AUTO-OFF** time sequence. (Fig. 33). The display window will indicate **TIMER-OFF** and the word **OFF** will flash for 5 seconds. Press the \triangle or ∇ key pad to select the desired **AUTO-OFF** time. (Fig. 32a).
 ∇ key pad will decrease the **AUTO-TIMED** setting in 10 minute increments.
 \triangle keypad will increase the **AUTO-TIMED** setting in 10 minute increments.
When the desired time is established, (the time will flash in the display window) press the **CLOCK** key pad to register the **AUTO TIMER-OFF** program. The word **OFF** will stop flashing and remain "on" (**TIMER OFF**) indicating the program is set. The time of day clock setting will immediately revert back in the display window.

When the **AUTO-ON & AUTO-OFF** times are set, within the same program sequence, the display window shows **TIMER ON OFF** identifying that both **ON** and **OFF** times are now programmed (Repeatable daily until until such time the program is canceled and/or changed).

IMPORTANT: The desired AUTO-ON & AUTO-OFF time must be registered within a 5 second period (after pressing the TIMER-ON/OFF key pads) otherwise the selected time will not register and the system will automatically revert back to the regular "time of day" clock setting

The unit will start automatically when the specified **AUTO-ON** time is achieved on the time of day clock and will stop automatically when the specified **AUTO-OFF** time is achieved on the time of day clock. To cancel or override the **AUTO-TIMED** program, simply turn the unit on or off prior to the scheduled **AUTO-ON/OFF** time. You can verify the **AUTO-ON/OFF** time selection anytime by pressing each respective **TIMER-ON/TIMER-OFF** key pad and the selected time will temporarily appear replacing the time of day clock for approximately 5 seconds.

Remote Control Features

The hand held remote unit allows you to control all operational aspects (**excluding Auto-Timed Programs**) of your Movincool PC7 unit from the convenience of your favorite armchair. Here are some things you should know about operating the unit with the hand held remote.

Upper Control Buttons

I/O: Power switch (On/Off).

Mode: Selects the operating mode (Auto-Cool-Dry/Dehumidifier-Heat-Fan).

The "auto" mode is a built in feature activated from the hand held remote unit only. Under "auto" mode, your unit will **automatically** select the required operating mode based on temperature selection. Dehumidifying mode is not operational under the "auto" mode function. The main unit will respond automatically, switching appropriately between modes "cool-heat-fan" to maintain the selected temperature.

Fan: Selects fan speed settings (Auto-LOW-MED-HIGH).

NOTE: The "Auto" fan speed setting is equivalent to "Medium" fan speed.

- Used to adjust (increase) both time of day clock settings and temperature settings.
- ▲ (1 min. increments) for time of day clock settings.
(1° increments) on the Celsius scale.
(2° increments) on the Fahrenheit scale.

TEMP/TIME

- Used to adjust (decrease) both time of day clock settings and temperature settings.
- ▼ (1 min. increments) for time of day clock settings.
(1° increments) on the Celsius scale.
(2° increments) on the Fahrenheit scale.

Lower Control Buttons (Under Lower Sliding Cover)

Swing: Used to activate automatic air swing (oscillating) feature (70° swing).

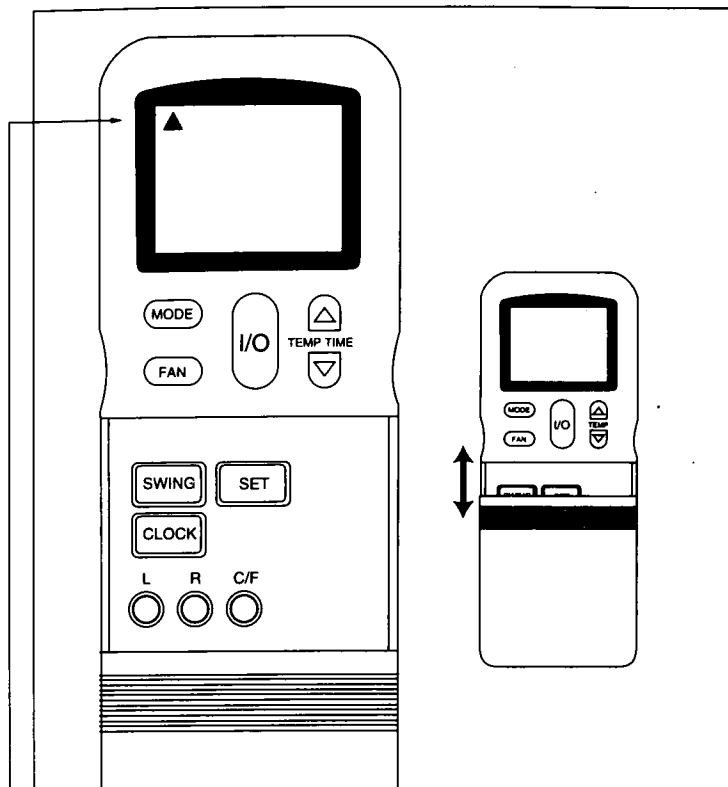
Set: Used to lock/register time of day setting.

Clock: Used to initiate time of day clock setting.

L: (Lock) Used to lock a selected program mode (Against accidental program change).

R: (Re-set) Used to cancel/reset locked programs. (Clock setting will also be erased)

°C/°F: Used to select temperature settings in either "Celsius" or "Fahrenheit".



To operate the remote, you will require two "AAA" Alkaline batteries (included).

Batteries should be replaced when:

- No signal (beep) is heard while attempting to program the main unit.
- No symbol "▲" appears in the remote LCD window when a command is initiated.


Battery replacement:

- Slide the lower control cover on the remote down until it stops. Continue pulling (gently) until the lower section separates completely from the unit.
- Insert batteries (AAA) as depicted inside the battery chamber.(+/-)
- Re-install lower cover.
- If the remote control is not being used for extended periods of time (vacations etc.), batteries should be removed.

The remote operates within a range of 7 meters (23 ft.) from the receiver located inside the main unit. Any obstruction between the receiver and remote may cause signal interference, limiting the ability to program the main unit.

NOTE: The illuminated control panel feature on the main unit is not operational when setting functions using the remote control unit. (this is normal)


Remote Control Operating Instructions

1. Sending Signal: When the main unit is turned on (I/O button), this symbol  (1A) will appear in the remote LCD window. The remote must be aimed directly at the control panel on the main unit when initiating commands. When a remote control button is depressed (excluding Lock, Reset, Clock, Time set and °C/°F), the following symbol "▲" flashes once in the remote LCD window. This symbol confirms that a signal was dispatched from the remote and a "Beep" from the main unit confirms the signal was received. The main unit will then recognize and respond accordingly to the selection made. All selections (excluding time of day settings) will appear immediately in the remote LCD window and main unit LCD window when the unit becomes operational. There may be a slight delay (2-5 seconds) before the main unit responds to the remote signal. This is normal. If the main unit does not respond, try the procedure again. If the main unit again fails to respond;

Check the following:

- Are the receiver and the remote unit within the required 7 meter (23 ft.) operating distance?
- Is the receiver window on the main unit partially blocked and/or obscured?
- Are the batteries correctly installed inside the remote (positive+ / negative-)?
- Check the batteries. If low, replace.

2. Setting/Adjusting Time of Day Clock (Remote Control):


When the batteries are installed, the clock displays "0:00" and the colons (:) flash. Push the "Temp/Time"  button to adjust the current time of day (0-24hrs). Each depression of the button will increase or decrease the time of day setting (1 min. increments). When the correct time of day has been established, push the "Set" button to activate the time of day clock setting (colons stop flashing). To change the time of day clock setting, push and hold the "clock" button (3 seconds) until the colons (:) flash. Adjust the time of day clock setting (time adjust buttons) then push the "Set" button to activate time of day clock setting (colons (:) stop flashing).

NOTE: The time of day clock setting on the remote control unit operates independently and does not control the time of day clock setting on the main unit.

3. Mode Setting: Press the "Mode" button to select the desired operating mode. Each depression of the button will advance to a different setting

(Auto-Cool-Dry-Heat-Fan). NOTE: The "Auto" mode is a built in feature, activated from the hand held remote unit only. (Auto mode cannot be programmed from the main unit control panel) Under the "Auto" mode, the unit will automatically select the operating mode, based on temperature selection. The main unit will respond automatically, switching appropriately between the "Auto-cool-heat-fan" mode to maintain the program temperature selected. Dehumidifying does not respond/operate under the "Auto" mode function.

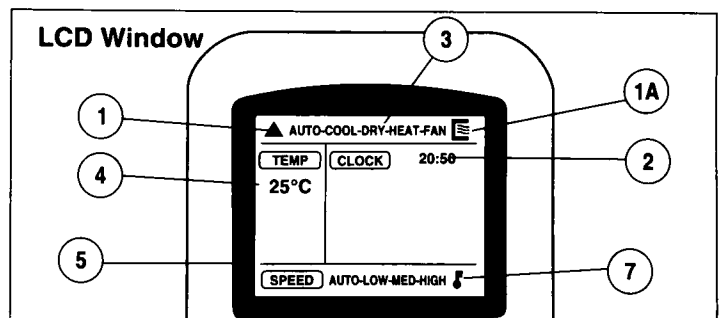
4. Temperature Setting: Press the remote

 "Temp/Time" buttons to select the desired operating temperature. Each depression of the temperature button will increase/decrease the temperature settings (1°C increments, 2°F increments). The temperature selected will be displayed in the remote LCD window. Remote temperature ranges 17°C-30°C

5. Fan Speed Setting: Press the remote "Fan" button to select the desired operating fan speed. Depending on the mode selection, each depression of the fan button will advance to a different fan speed (Auto-Low-Medium-High) The fan speed selected will be displayed in the remote LCD window. i.e.

MODE	FAN SPEEDS
Cool	Auto/Medium-Low-Medium-High
Heat	Auto/Medium-Low-Medium-High
Dry	Auto (Medium Only)
Fan	Auto/Medium-Low-Medium-High

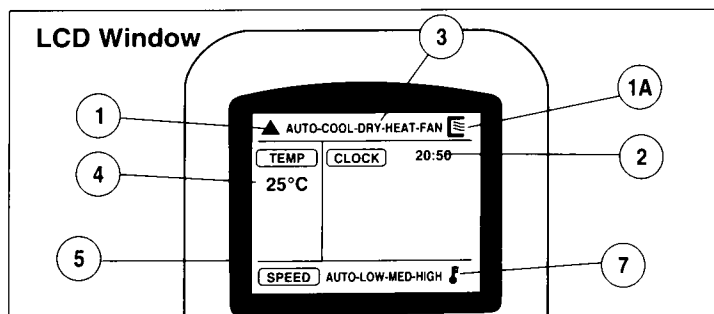
"AUTO" is equivalent to "MEDIUM" (fan speed setting) on the main unit control panel.



Remote Control Operating Instructions (cont'd)

6. **Swing Setting:** Press the remote "Swing" button to activate the automatic air swing (oscillation) feature. The symbol "▲" will momentarily appear in the LCD window confirming the "swing" feature is activated and/or deactivated.
7. **L (Lock) Button:** Press the remote "L" button to guard against accidental program change. When the "L" button is depressed, the lock symbol (Ⓐ) will be displayed in the remote LCD window. Press the "L" button again to unlock the registered program (key symbol will disappear).
8. **R (Re-set) Button:** Press the remote "R" button to cancel all remote control programs. This will erase all information contained within the remote LCD window (including time of day clock).
9. **°C/°F:** Used to select/display temperature settings in either "Celsius" or "Fahrenheit" on the hand held remote unit only. Press the remote (°C/°F) button (using pencil tip) to select either the Celsius or Fahrenheit scale.
NOTE: To change the temperature display on the main unit, press the (Temp/Clock) "▽" keypad & "Clock" keypad simultaneously to alternate between the °C & °F scale.

NOTE: When turning off the main unit with the remote control, there may be a delayed (off) reaction (5-15 seconds) before the unit actually stops. This is normal.



Care and Maintenance



CAUTION



Before cleaning or servicing this unit, it is recommended that the unit be disconnected from any electrical supply outlet.

- 1) **Do Not** use gasoline, benzene, thinner or any other chemicals to clean this unit, as these substances may cause damage to the finish and deformation of plastic parts.
- 2) **Never** attempt to clean the unit by pouring water directly over any of the surface areas, as this will cause deterioration of electrical components and wiring insulation.

Removal and Cleaning of the Air Filter

If the air filter becomes clogged with dust/dirt, air flow is restricted and reduces efficiency. The air filter should be cleaned every two (2) weeks. More frequent cleaning may be necessary depending upon indoor air quality.

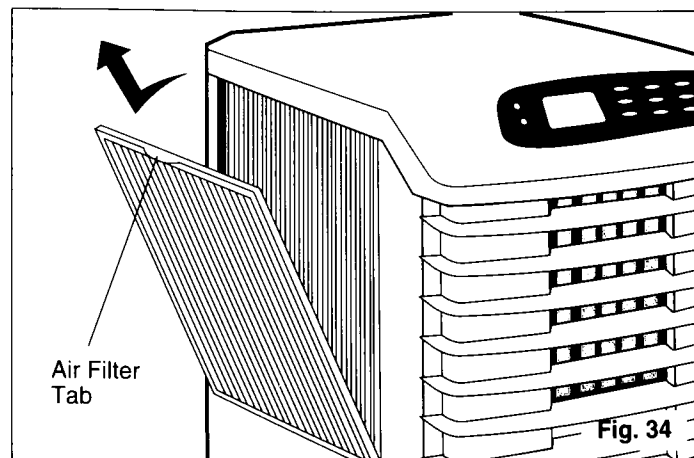
- 1) To remove the air filter: Grasp the **air filter tab**.
- 2) Pull the filter "out" then "up". *Fig. 34.*
- 3) Dust/Dirt clogged in the filter can be removed by vacuum cleaning the soiled areas.
- 4) The filter can also be washed in lukewarm soapy water while rubbing it lightly with a brush. A mild detergent (dishwashing soap) is recommended.
- 5) Rinse the filter well using clean water. Allow time to dry before reinstalling into the unit.
- 6) Replace the air filter.
- 7) Replacement air filters are available through your local distributor.



CAUTION



Never operate the unit without the air filter in place as this may result in damage to the unit.



CUT OFF HERE ✂

You can also register your MOVINCOOL unit on the web at www.movincool.com

MOVINCOOL REGISTRATION CARD

OWNER INFORMATION

Company _____
 Contact _____
 Title _____
 Address _____
 City/State/Zip _____
 Phone _____ FAX _____
 E-Mail _____

Date of Purchase _____
 Model No. (check one)
 Classic 10 Classic Plus 14 Office Pro 10
 Classic 18 Classic Plus 26 Office Pro 12
 Classic 40 PC7 Office Pro 18
 Classic 60 Office Pro 24
 Office Pro 60

Serial No. (on side panel) _____

DEALER NAME _____

DEALER LOCATION _____

What is your type of business?

- Banking/Finance
- Education
- Government/Military
- Hospital/Healthcare
- Restaurant/Foodservice
- Sales/Marketing
- Manufacturing-plastics
- Manufacturing-metals
- Manufacturing-paper/wood products
- Manufacturing-electronics/electrical components
- Manufacturing-other _____
- Utility

How did you first hear about MovinCool?

- Magazine Ad
- Magazine Article
- Direct Mail
- Postcard Deck
- Trade Show
- Referral
- Other _____

What factors most influenced your decision to purchase a MovinCool?

- Product Quality
- Price
- Portability
- Ease of Installation
- Energy Savings
- Versatility

Have you previously purchased a MovinCool?

- Yes No

If yes, how many units do you own? _____

What is the primary use for this unit?

- Cooling people
- Cooling equipment
- Cooling a process
- Other _____

Where is the unit used?

- Office
- Manufacturing or Warehouse
- Hospital/Laboratory
- Computer/Equipment Room
- Kitchen/Laundry
- Special Events/Outdoors
- Other _____

Comments _____

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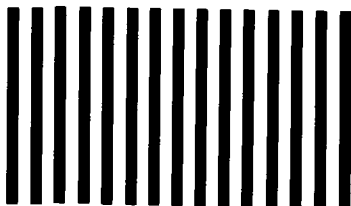
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