!Not intended to be a complete Operator Manual. Available upon request. ¦

GENERAL SAFETY INFORMATION

* Ensure the safety of the location in which cooler is to be used.
* Ensure you allow at least 20inch air space all around the cooler.
* Never use the cooler at more than 2° incline.

* Ensure the floor or ground is smooth and sound.
* When in position LOCK the casters to prevent rolling.

FOR MAXIMUM EFFICIENCY

*In airtight areas use vertical exhaust into ceiling.
* If possible locate exhaust outlet through a window or door to outside.
* Ensure correct electricity supply.

DUCT INSTALLATION

* The duct should be established before using. (Standard Duct Size : 1ft, 5" dia.)

The following instructions are for ensuring the user's safety and to prevent any physical injury or material damage. Please read carefully and follow all instructions. There are two sections to these instructions: **WARNING** and **CAUTION**.

⚠ WARNING

* Use a 115V~, 60Hz (HSC-14/18), 220V~, 60Hz (HSC-24A) 1 Phase power supply only. (Wrong supply may cause a fire and / or shock hazard)

* Securely plug into a grounded outlet. (Unless earthed, may cause electric shock)

* Do not use a damaged power cable, plug or socket. (Short, fire or shock hazard)

* Do not remove plug by pulling cable or with wet hands. (Risk of fire and electric shock)

* Before cleaning, remove plug from socket. (Otherwise risk of electric shock)

* Do not place anything on top of the machine. (This could cause electric shock, malfunction or injury)

* Do not use an extension cord. (Risk of fire and / or electric shock)

* Do not 'kink' or sharply bend the power cable nor put any weight on it. (The insulation may be damaged causing fire and/ or electric shock)

* Do not turn off by removing power plug. Always turn off at control panel first. (Risk of electric shock and / or malfunction)

* Do not use this cooler on unstable or inclined surfaces. Always use on solid flat floor. (Risk of falling causing injury, fire or malfunction)

* A damaged power supply cable must be replaced with a new power supply cord obtained from the product manufacturer and not repaired.

⚠ CAUTION

* Do not place cooler on uneven, unstable or inclined surface. (This could cause malfunction)

* When storing the cooler, ensure that it is kept in a dry, cool place. (To prevent corrosion and malfunction)

* If not being used for some time or if lightening is present, always unplug from power. (To prevent risk of electric shock, short circuit or fire)

* Do not spray water on to the cooler nor use solvents such as benzene, thinner or alcohol for cleaning. (There is a risk of electric shock and / or short circuit)

* Designed for indoor usage.

OPERATION

CONTROL PANEL
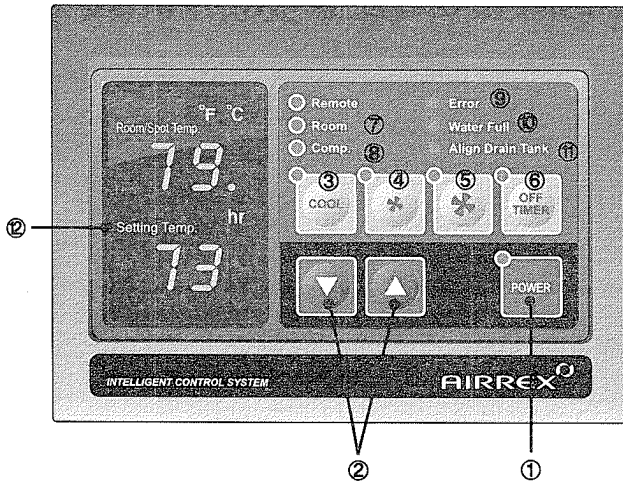
① **Power :** Use to power On / Off.

② **▼▲ :** Raises or lowers temperature and/ or sleep (off) time.

③ **Cool :** Use to select cooling mode.

④ **Low Mode :** Controls fan low speed.

⑤ **High Mode :** Controls fan high speed.

⑥ **Off Timer :** To set the length of time, once turned on, that you wish the cooler to run for.
You can set 0~24 hours. Time intervals are 30mins. up to 10 hours and then 1 hour between 10 and 24 hours.

⑦ **Room :** If the LED is On, the displayed temperature is for Room temp. If the LED is Off, the displayed temperature is for spot temp.

⑧ **Comp. :** When the compressor is operating, the LED is On.

⑨ **Error :** Error signal (E1 : High Pressure, E2 : Low Pressure, E3 : Sensor, AF: EVA Freezing, AL: Fire Alarm)

⑩ **Water Full :** Red light indicates 'Tank Full' . The compressor will shut off automatically.
Empty tank and replace in position to resume operation.

⑪ **Align Drain Tank :** The red light indicates the water tank is not in the correct position.

⑫ **Display :** Display Room/Spot temperature, and also the Setting Temp and Sleep Time if they had been set.
(Display of 'LO' : under the 32°F , Display of 'HI' : over the 99°F)

RUNNING & STOP
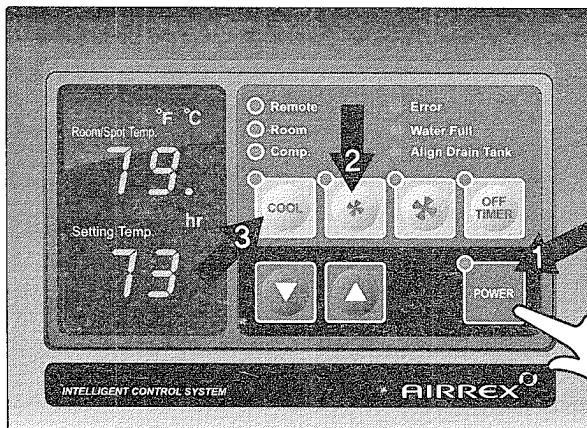
1. START BY PRESSING THE 'POWER' BUTTON.
· Cooler will start up automatically.
· To STOP the unit, press the 'POWER' button once again.

2. To change fan speed, press the 'Low' button.

3. If you wish to operate on fan only, press the 'COOL' button.
To resume cooling, press the 'COOL' button again.
(Note : There is a 3 minute delay when switching functions to protect the compressor)

SELECTION of AREA/ROOM or SPOT COOLING

To reduce the temperature of the entire room select 'Area/Room'. For 'targeted' cooling of machinery, servers, or people etc. select 'Spot Cooling'.
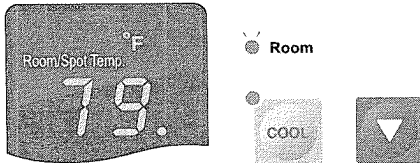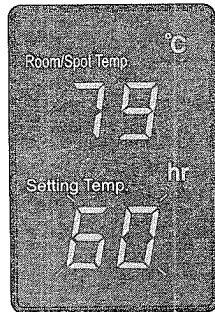
1. If you want to display room temperature, when air conditioner is operated, push cool and ▽ button simultaneously for three seconds. If you want to display spot cooling temperature, do the same to put it back.
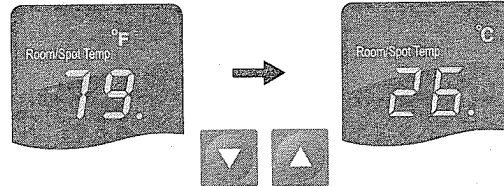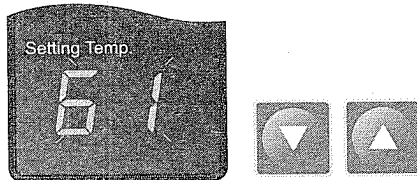
2. If you want to change temperature unit °F ↔ °C, when air conditioner is stopped, push ▽ and ▲ button simultaneously for three seconds.

TEMPERATURE CONTROL OPERATION

1. When power is ON, the setting temperature is displayed. Default of setting temperature is as below.
   · 50°F in Spot Mode.   · 60°F in Room Mode.

3. The display showing the set temperature will blink 3 times.
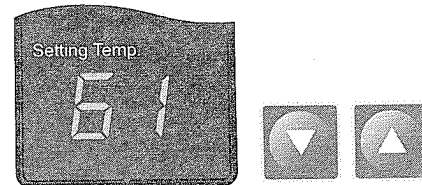
2. When you push either ▽ or ▲ button, the setting temperature is changed.

Mode	Display range	Setting range
Room Temp	32°F~99°F	60°F~86°F
Spot Temp	32°F~99°F	50°F~86°F

Cooling operates when Room/Spot temperature is *more than* set temperature.
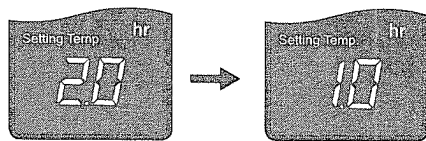
Cooling stops when Room/Spot temperature is *less than* set temperature.

HOW TO SET THE 'OFF TIMER'

> This function enables you to set the length of time you want the cooler to operate.
> You can set the time period from 30min. to 24 hours in 30min. and 1 hour increments.
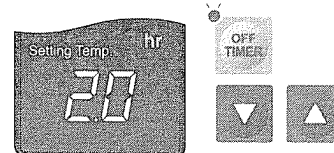
OFF TIMER LAMP IS ON
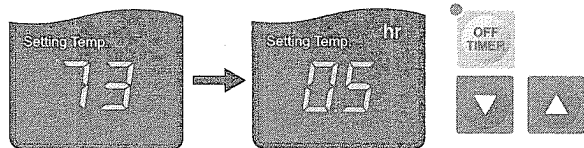
1. When cooler is operating, press the 'Off Timer' button and set the length of time you want by pressing △ or ▽. Each time you press the button you will increase the 'time to off' period by 30mins. up to 10 hours, and 1 hour thereafter up to 24 hours. The display will show .5 for 30min and 1 for an hour. e.g. One and a half hours will show 1.5.
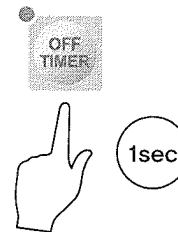
2. When you have finished setting the time period, the 'Off Timer' lamp will be on which indicates the cooler is in sleep (Off Timer) mode.

AFTER 1hr

3. If you press the 'Off Timer' button during its operation, the remaining time will be shown.

4. To CANCEL timing, press and hold 'Off Timer' button for ONE second. It will then switch the timer off automatically.
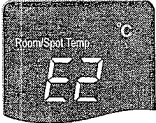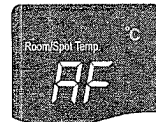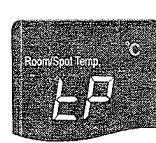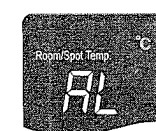
ECONOMIC MODE

> When the compressor stops longer than 3 minutes in "Room Temp Mode", the Fan is shut off automatically.
> This function is applied in "Room Temp Mode" only.
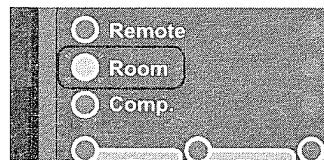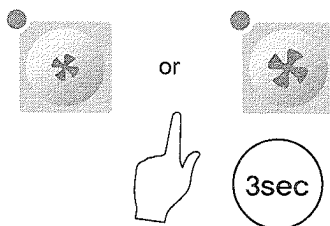
1. In "Room Temp" mode, when air conditioner is stopped, push either the "Low fan" or "High fan" button and hold for 3 seconds.

2. The Economic Mode is on when the Room Mode LED blinks.

SELF DIAGNOSTIC CODES

The alarm light is activated if abnormal operation occurs, and an error code is displayed on the control panel. In this case, the compressor will stop operating.

Error Code		Problem	Cause	Corrective Action
Room/Spot Temp. °C E1	⊙ Error	High pressure	Blocked air filter Blocked / kinked exhaust duct Ambient temperature is too high	Ensure exhaust duct is not blocked / kinked Do not use the air conditioner if ambient temperature is higher than 113°F
Room/Spot Temp. °C E2	⊙ Error	Low pressure	Verify Electrical Refrigerant may be low	Clean Filters and Coils Verify Power (Voltage/Amps) Check Filters Evaporator/Condenser Check Evaporator/Condenser Coils Check refrigerant level and/or refrigerant leak.
Room/Spot Temp. °C E3	⊙ Error	Sensor Problem	Temperature sensor has an electric short.	Exchange temperature sensor (Contact Airrex U.S.A. at 1-888-535-8841)
Room/Spot Temp. °C FU	⊙ Water	Water full	Condensate tank is full	Empty the water tank
Room/Spot Temp. °C AF	⊙ Error	Anti-Freezing alarm	Evaporator is below 25 °F (-4 °C) due to being used in a low ambient temperature area.	Do not use the unit in an ambient temperature less than 72°F (22°C). Check refrigerant level.
Room/Spot Temp. °C tP	⊙ Align Drain Tank	Align water tank	Water tank is not positioned correctly	Place the water tank in right position
Room/Spot Temp. °C AL	⊙ Error	Fire alarm signal	Fire alarm signal is received from Fire alarm system.	Reset unit by pushing and holding the "OFF TIMER" button for 5 seconds.

TROUBLESHOOTING CHART

| TROUBLE	CHECK	REMEDY
NOT WORKING	● Power plug incorrectly connected	● Connect plug correctly
	● POWER button "OFF"	● Press POWER button to "ON"
	● Fuse (supply) blown	● Replace fuse
	● Breaker on switch board tripped	● Check load capacity and reset
	● Ambient temp. too high (over 113°F,45°C)	● Use only below 113°F,45°C
POOR COOLING	● Filter blocked with dust	● Clean Filter
	● Dust in heat exchanger	● Clean heat exchanger
	● Obstacle against inlet side	● Remove and allow 20" (51 cm) clearance
	● Ambient temp. too high (over 113°F,45°C)	● Use only below 113°F,45°C

MAINTENANCE

CLEANING THE AIR FILTERS
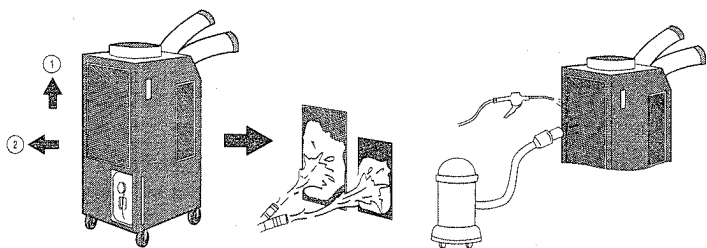
1. To remove filters, slide up a little ① and pull towards you ②.

2. Clean the filters with water or compressed air.

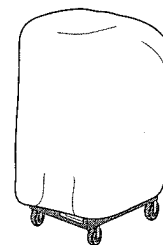3. Clean evaporator and condenser units with a vacuum cleaner or compressed air.

MAINTENANCE
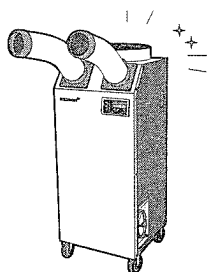
1. After cleaning, completely dry the inside of the unit by operating on 'Fan Mode' for 3 to 4 hours.
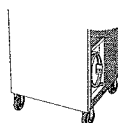
2. Turn "OFF" at control panel, remove plug from socket. Coil and store cable neatly.

3. Keep machine suitably covered to prevent damage by damp, humidity and dust.