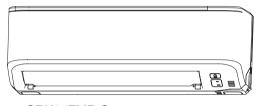


USER'S MANUAL



SRK17ZMP-S SRK20ZMP-S

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MITSUBISHI HEAVY INDUSTRIES

MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.

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MITSUBISHI HEAVY INDUSTRIES AIR-CONDITIONERS AUSTRALIA, PTY. LTD.

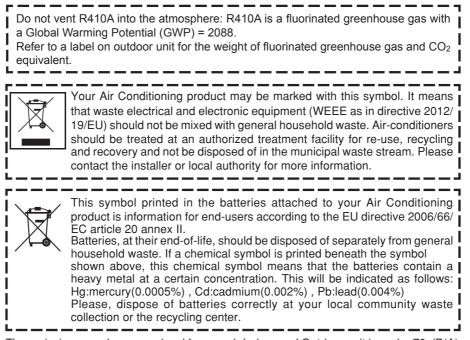
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2016	08

Thank you for purchasing a MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD. Air-Conditioner. To get the best long-lasting performance, please read and follow this User's Manual carefully before using your air-conditioner. After reading, please store the Manual in a safe place and refer to it for operational questions or in the event of any irregularities.

This air-conditioner is intended for domestic use.



The emission sound pressure level from each Indoor and Outdoor unit is under 70 dB(A).

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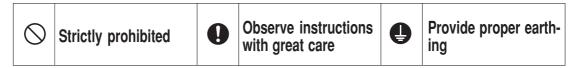
Safety precautions

- Before starting to use the system, please read these "Safety precautions" carefully to ensure proper operation of the system.
- When you have read this instruction manual, please keep it safely. If someone else takes over as operator, make sure that the manual is also passed on to the new operator.

Improper handling could lead to drastic results like death, serious injury, etc.
Might pose a serious problem, depending on the circum- stances.

Please observe these precautions with great care, since they are essential to your safety.

• Symbols which appear frequently in the text have the following meaning:



IINSTALLATION PRECAUTIONS

\triangle	WARNING	

- The system is for domestic and residential use. If used in severe environments, such as an engineering workplace, the equipment may function poorly.
- The system must be installed by your dealer or a qualified professional. It is not advisable to install the system by yourself, as faulty handling may cause leakage of water, electric shock or fire.

- Do not install it where flammable gas may leak.
 - Gas leaks may cause fire.
- Depending on the place of installation, an earth leakage breaker may be necessary.
 If you do not install an earth leakage breaker, you may get an electric shock.
- Make sure to install the drain hose properly so that all the water is drained out.

Improper installation may lead to water drop in the room resulting in wet furniture.

• Make sure that the system has been properly earthed. Earth cables should never be connected to a gas pipe, water pipe, lightning conductor or telephone earth cable. Improper installation of the earth cable may produce an electric shock.

-2-

Safety precautions

	/ precautions			
	RATION PRECAUTIONS			
		ING		
\bigcirc	 Children shall not play with the appliance. Do not expose yourself to the cooling air for a long period. This could affect your physical condition and cause health problems. 	 Cleaning and user maintenance shall not be made by children without su- pervision. Do not insert anything into the air out- let. This may cause injury, as the internal fan rotates at high speed. 		
0	 This appliance can be used by children aged from 8 years and above and people with reduced physical, sensory or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Store the remote control out of reach of infants. Failure to observe this may result in the batteries being swallowed or other accidents 			
		ON		
	 Only use approved fuses. Use of steel or copper wire instead of an approved fuse is strictly prohibited, as it may cause a breakdown or fire. Do not handle the switches with wet hands. This may cause an electric shock. Do not swing from the indoor unit. If the indoor unit falls down,you may get injured. Do not place a flammable insecticide or paint spray near the blower, nor spray it directly on the system. This may result in a fire. You should not expose any combustion appliance directly to the air stream of the air-conditioner. The appliance may then work inadequately. Do not wash the air-conditioner with water. This could cause an electric shock. Using a high pressure washer may cause damage to the alminum fins, resulting in performance decrement. 	 Do not use for preservation of food, plants or animals, precision devices or works of art. The system is only intended for use in ordinary domestic rooms. Any other use of the system may damage the quality of food, etc. Do not place anything containing water, like vases, on top of the unit. Water entering the unit could damage the insulation and therefore cause an electric shock. Do not install the system where the airflow direction is aimed directly at plants or animals. This will damage their health. Do not sit on the outdoor unit nor put anything on it. If the unit falls down or things drop off it, people could get hurt. After a long period of use, check the unit's support structure from time to time. If you do not repair any damage right away, the unit may fall down and cause personal injury.		

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Safety precautions

		ON
\bigcirc	 Do not touch the aluminum fins on the air heat exchanger. It may result in injury. Do not place household electrical appliances or household items under neath the indoor or outdoor units. Condensation falling from the unit may stain objects and cause accidents or electrical shock. Do not operate the system without the air filter. It can cause malfunction of the system due to clogging of the heat exchanger. 	 Do not shut off the power source immediately after stopping the operation. Wait at least 5 minutes, otherwise there is a risk of water leakage or breakdown. Do not control the system with main power switch. It can cause fire or water leakage. In addition, the fan can start unexpectedly, which can cause personal injury. Do not pour liquid into this unit and do not put water container on this unit. Water entering the unit could damage the insulation and therefore cause an electric shock.
	 If you operate the system together with a combustion appliance, you must regularly ventilate the indoor air. Insufficient ventilation may cause accidents due to oxygen deficiency. Stand firmly on a stepladder or other stable object when removing the inlet panel and filters. Failure to observe this may result in injury through insecure objects toppling over. When you clean the system, stop the unit and turn off the power source. Never open the panel while the internal fan is rotating. Do not place objects near the outdoor unit or allow leaves to gather around the unit. If there are objects or leaves around the outdoor unit, small animals may enter unit and contact electrical parts and may cause a break-down, smoke or fire. 	 Contact your dealer to clean inside the indoor unit, do not attempt to do by yourself. The use of a non-approved detergent or improper washing method may damage the unit's plastic components and cause leaks. Damage, smoke, or fire may also happen if the detergent comes in con- tact with electrical parts or the unit's motor. Stop the unit and turn off the power if you hear thunder or there is a danger of lightning. It may damage the unit. If the power cord becomes damaged, contact your dealer or a qualified en- gineer. If it is not replaced, it may cause a breakdown or fire.

4

■ Safety precautions

	■ PRECAUTIONS FOR RELOCATION OR REPAIRS	
		IING
\bigcirc	• Do not perform any repairs or modification the unit requires repair. If you repair or modify the unit, it can cau	
0	 Consult your dealer for repairs. Wrong repairs could cause an electric shock, fire, etc. In case the air-conditioner is relocated elsewhere, contact your dealer or a professional fitter. Faulty installation may cause water leakage, electric shock, fire, etc. If you notice anything abnormal (smell of burning, etc.), stop the system, turn off the power source and consult your dealer. Continued use of the system in abnormal circumstances may result in malfunctioning, electric shock, fire, etc. 	 If the air-conditioner fails to cool or warm the room, it may have a refrig- erant leakage. Contact your dealer. If refrigerant needs to be added, check with your dealer for proper instructions. If the refrigerant comes in contact with the bare skin, it may cause cold injury. If the refrigerant gas is inhaled exces- sively, it may cause deterioration of nerve function like dizziness and headache, or deterioration of heart function like irregu- lar heartbeat and heart palpitation tempo- rarily. If refrigerant unexpectedly leaks from the unit onto a fan heater, stove, hotplate or other heat source, harmful gases could be generated.

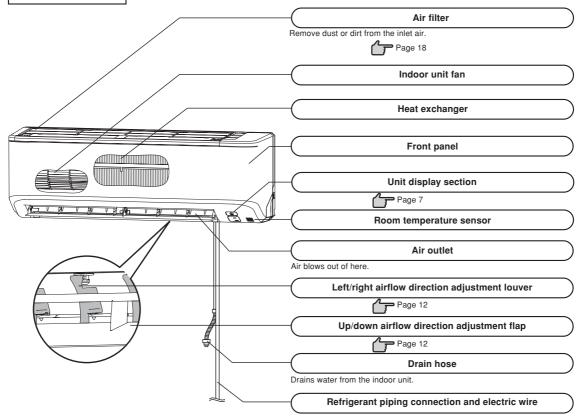
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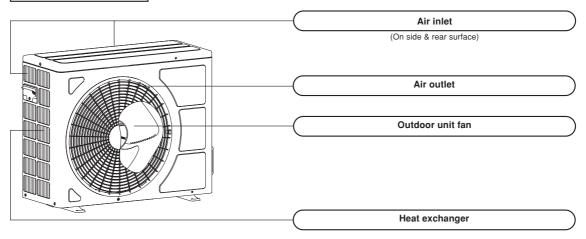
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Name of each part and its function

INDOOR UNIT



OUTDOOR UNIT

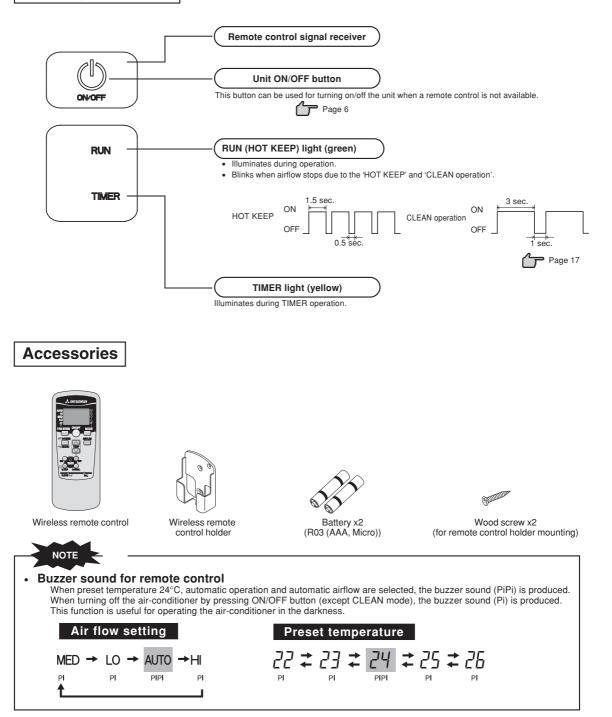


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Unit display section



Remote control handling

Replacing the batteries

Pull out the cover and take

out old batteries.

Insert new batteries. R03 (AAA, Micro) x2

Close the cover.

Page 9

Press the ACL switch with

The timer setting mode is displayed.

the tip of a ballpoint pen.

The following cases show exhausted batteries. Replace old batteries with new ones.

Receiving beep is not emitted when a signal is transmitted.

Pay attention to

the ⊕ and ⊖

marks

Display fades away.

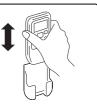


- Do not use old and new batteries together.
- Remove the batteries when the remote control is not used for a long period.
 The recommended effective period of a battery conforming to JIS or IEC should be 6 to 12 months with normal use. If used longer, or when an unspecified
- be of to 12 months with hornal use. In used longer, of when an unspecified battery is used, liquid may leak from the battery, causing the remote control to malfunction.
- The recommended effective period is printed on the battery. This may be shorter due to manufacturering time to the unit. However, the battery may still be in working order after expiry of its nominal life.
- When the display shows any abnormal condition, Press the ACL switch with the tip of a ballpoint pen.

Using the remote control holder

The remote control can be attached to a wall or pillar by using a remote control holder. Before installing the remote control, check that the air-conditioner receives the signals properly.

For installing or removing the remote control, move it up or down in the holder.



Warning note for remote control handling

	Strictly prohibited	
 Do not go near high temperature places, such as an electric carpet or a stove. 	 Do not leave the remote control exposed to direct sunlight or other strong lighting. 	• Do not drop the remote control. Handle with care.
 Do not put any obstructing obsta- cles between the remote control and the unit. 	 Do not spill any liquid on the remote control. 	Do not place heavy objects on the remote control, or step on it.

Operation failure with the remote control

· Are the batteries running down?

If the operation fails, operate the unit

with temporary operation function. Contact your dealer to have the remote control Below

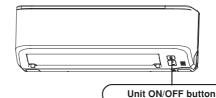
"Replacing the batteries" above. Replace the batteries with new ones and retry the operation.

ry the operation. Contact your dealer to have the increase.

Temporary run operation

• The unit ON/OFF button on the unit operates ON/OFF temporarily when the remote control is not used.

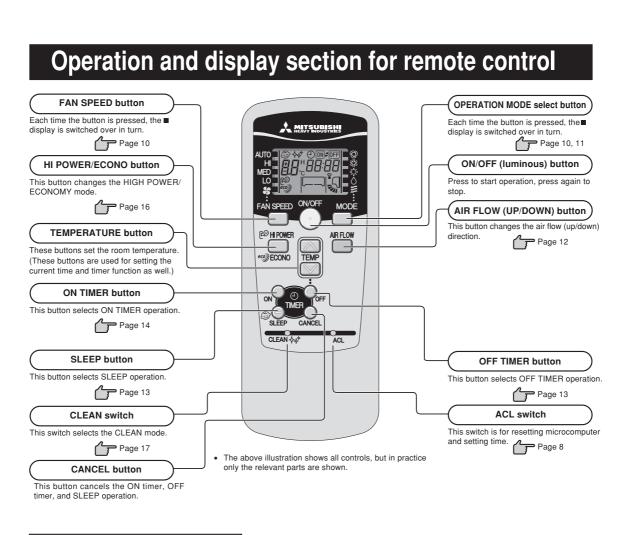
- Operation program
 OPERATION MODE : AUTO
- FAN SPEED : AUTO
- AIR FLOW : AUTO



 Operation starts by pressing the unit ON/OFF button; it stops if you press the button again.

- NOTE
- Do not hold the Unit ON/OFF button down for more than 5 seconds. (Holding it down longer than 5 seconds sets the automatic cooling used during servicing or when relocating the air-conditioner.)

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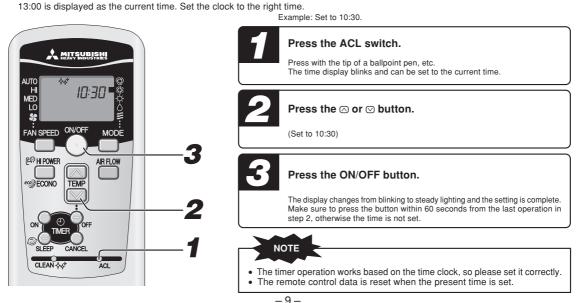


Transmission procedure

When each button on the remote control is pressed – with the remote control pointing towards the air-conditioner unit a signal is transmitted. When the air-conditioner receives the signal correctly, it will beep.

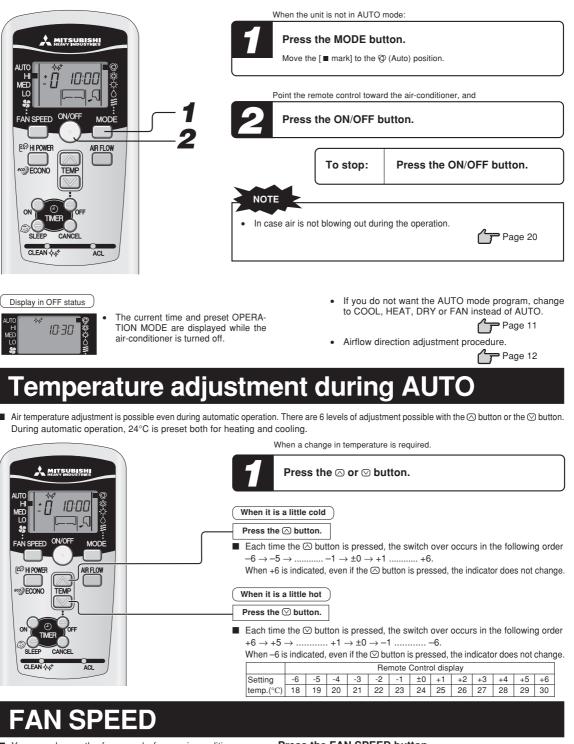
Current time setting

When inserting the batteries, the current time is automatically set to time setting mode





Automatically selects the operation mode (COOL, HEAT, DRY) depending on the room temperature when switched on.



You can choose the fan speed of your air-conditioner without dry mode.

Operation capacity by your choice	FAN SPEED
Set automatically by microcomputer	AUTO
Powerful operation with high capacity	HI
Standard operation	MED
Energy-saving operation	LO

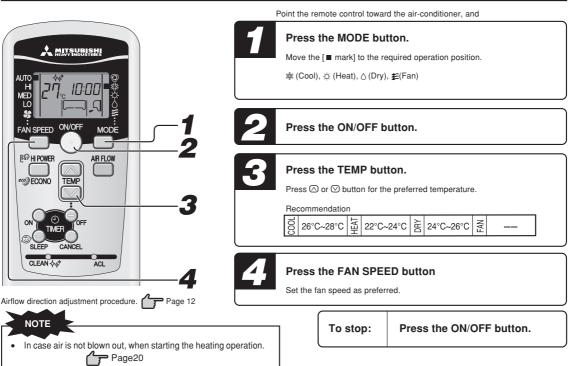
Press the FAN SPEED button.

Move the [\blacksquare mark] to the preferred fan speed position. \rightarrow AUTO \rightarrow HI \rightarrow MED \rightarrow LO \neg

When changing FAN SPEED from HI to LO, the sound of refrigerant flowing may be heard.

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Air-conditioner operable temperature setting

Use within the following operational range. Operating outside of this range may result in the protection devices being activated, preventing the unit from working.

	Cooling operation	Heating operation
Outside temperature	Approximately -15 °C to 46 °C	Approximately -15 to 24 °C
Inside temperature	Approximately 18 to 32 °C	Approximately 15 to 30 °C
Inside humidity	Below approximately 80% The long-term use of the unit with a humidity level exceeding 80% may result in condensation forming on the surface of the indoor unit, leading to water drops.	_

Characteristics of HEAT mode operation

Mechanism and capacity of HEAT mode operation

- Mechanism
- The unit draws heat from the cold outside air, transfers it to indoors and heats the room. As a characteristic of heat pump system, the heating capacity reduces when the outside air temperature gets colder.
- It may take some time to supply hot air after turning on the air-conditioner.

The operation program can also be set or changed when

the air-conditioner is not in operation

If the outside temperature becomes extremely low, it would be better to use an additional source of heating.

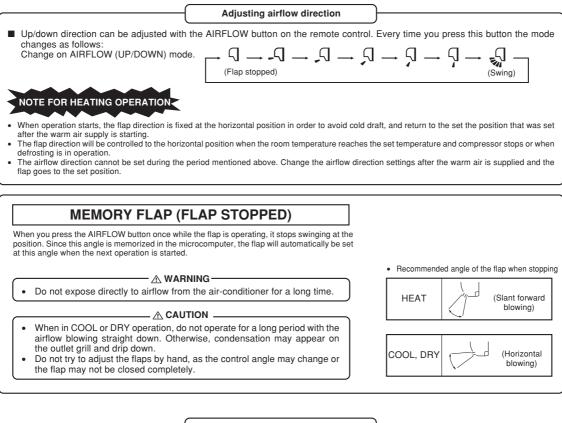
Defrosting

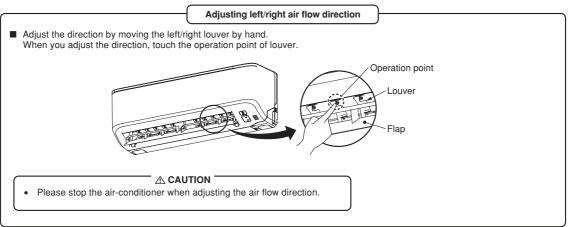
If the outside temperature becomes low and humidity is high, the heat exchanger in the outdoor unit may frost over, which prevents efficient heating.

If this happens, the automatic defrost function is activated and during defrosting the heating operation stops for 5 to 15 minutes during defrosting.

- Both indoor and outdoor fans stop and the RUN light blinks slowly (1.5 sec. ON, 0.5 sec. OFF) during defrosting.
- The outdoor unit may give off some steam during defrosting. This is to help the defrosting process and is not a defect.
- The HEAT operation resumes as soon as defrosting has been completed.

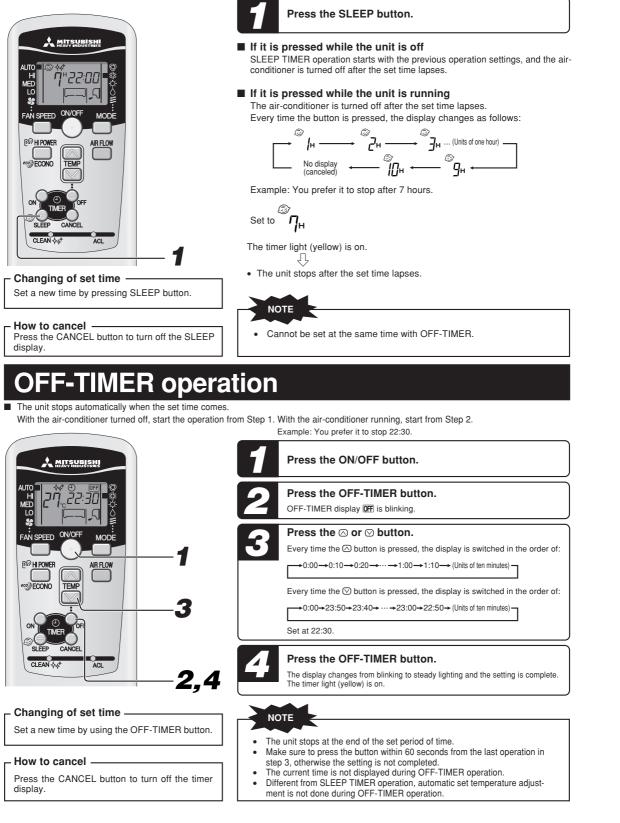
Airflow direction adjustment





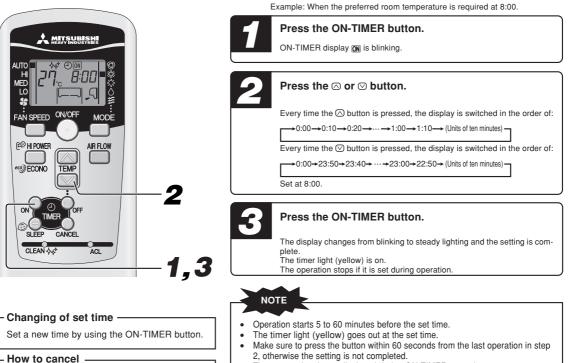
SLEEP TIMER operation

- The unit will stop automatically after the set time lapses.
- The set temperature is automatically adjusted according to the lapse time in order to avoid too much cooling or heating.



ON-TIMER operation

Operation starts 5 to 60 minutes before the set time so that the room temperature reaches the optimum temperature at the set time. Page 15 ON-TIMER operation can be set regardless of whether the air-conditioner is running or not.



- The current time is not displayed during ON-TIMER operation. If the ON/OFF button is pressed after setting the ON-TIMER, the setting will be . canceled.

EEP TIMER + ON-TIMER operation

Combined timer operation of SLEEP TIMER and ON-TIMER.

Press the CANCEL button to turn off the timer

display.

8:00 MEC FAN SPEED ON/OFF ER HI POWER AIR FLOW ECONO C CLEAN 🚧 ACL

Set a new time by using the SLEEP or ON-TIMER button.

Example: When it is required to stop after 3 hours and then start operation at 8:00, near the set temperature.

SLEEP TIMER setting

Set by the procedures on page 13.

ON-TIMER operation setting

Set by the above procedure mentioned in ON-TIMER.

The setting of the lighting of the timer light (yellow) of this unit is complete. 'n

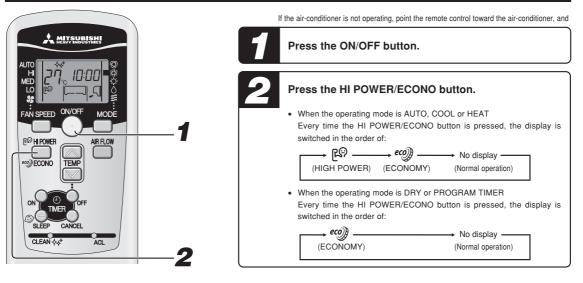
- After the SLEEP TIMER set time has elapsed, the operation stops, and it starts from 5 to 60 minutes before the ON-TIMER's set time.
- The timer light is turned off when ON-TIMER set time comes.
- How to cancel -Changing of set time

Press the CANCEL button to turn off the timer display.

- 14 -

PROGRAM TIMER operation The timer operations of the combination of ON and OFF-TIMER. Once this has been set the timer operations will be repeated at the same time every day unless the ON/OFF button is pressed. Example: Present time is 21:00. The air-conditoner running. When it is prefered to stop at 22:30, and then start operation at 8:00, near the set temperature. **OFF-TIMER** operation setting AUTC Set by the procedures on page 13. Set to OFF H Met .22:30 LC ON-TIMER operation setting ON/OFF FAN SPEED Set to ON OFF Set by the procedures on page 14. AUU ER HI POWER AIR FLOW Timer light (yellow) on the unit will light when the setting is completed. econo The set time will be displayed on the remote control. The display will change depending on the operational status. The air-conditioner stopping. ON FF First the air-conditioner starts running with ON-SI FFF CANCE After the air-conditioner stops running with OFF-TIMER. CLEAN 🕹 ACL · The air-conditioner running ON OFF First the air-conditioner stops running with OFF-TIMER. After the air-conditioner starts running with ON-TIMER. Changing of set time -Set a new time by using the OFF-TIMER or ON-TIMER button. How to cancel Press the CANCEL or ON/OFF button to turn off the timer display. **Comfort Start-up** SLEEP TIMER When SLEEP TIMER is selected, the set temperature is automatically In ON-TIMER operation, the unit starts the operation a little earlier, so When SLEP TIMER is selected, the set temperature is automatically adjusted after a while, ensuring that the room is not too cold during cooling or too warm during heating. During cooling : The preset temperature is lowered by 1°C at the start of SLEEP operation (when the timer is set). After that, the temperature goes up by 1°C every an hour to become 1°C higher than the present temperature. that the room can approach optimum temperature at ON time. This is so called "Comfort start-up". Mechanism The room temperature is checked 60 minutes before the ON time. Depending on the ► In COOL operation ◄ (Stop) Operation starts temperature at that time, the During heating: The preset temperature is lowered by 1°C at the start of SLEEP operation (when the timer is set). After that the temperature becomes 3°C lower in an hour and 6°C lower in two hours operation starts 5 to 60 minutes (Operation) before the timer is at ON. The function is available for both COOL and HEAT operation Set temperature than the present temperature. mode (including AUTO). It does not work for DRY mode. Check the room Set time temp. 60 mins. before.

HIGH POWER/ECONOMY operation



- HIGH POWER operation

Pressing the HI POWER/ECONO button intensifies the operating power and initiates powerful cooling or heating operation for 15 minutes continuously. The remote control \mathbb{C}^{\bigoplus} displays and the FAN SPEED display disappears.

NOTE

- During the HIGH POWER operation, the room temperature is not controlled. When it causes an excessive cooling or heating, press the HI POWER/ECONO button again to cancel the HIGH POWER operation.
- HIGH POWER operation is not available during the DRY and the program timer operations.
- When HIGH POWER operation is set after ON-TIMER operation, HIGH POWER operation will start from the set time.
- When the following operations are set, HIGH POWER operation will be canceled.
 - ① When the HI POWER/ECONO button is pressed again. (The operation mode will be change to the ECONOMY operation)
 - When the operation mode is changed.
 When it has been 15 min. since HIGH POWER
- operation has started. After HIGH POWER operation, the sound of refrigerant flowing may be heard.
- Not operable while the air-conditioner is OFF.

ECONOMY operation

Pressing the HI POWER/ECONO button initiates a soft operation with the power suppressed in order to avoid an excessive cooling or heating. The unit operates 1.5°C higher than the setting temperature during cooling or 2.5°C lower than that during heating. The remote control *e*



- It will go into ECONOMY operation at the next time the airconditioner runs in the following case.
 - When the air-conditioner is stopped by ON/OFF button during ECONOMY operation.
 - ② When the air-conditioner is stopped in SLEEP or OFF-TIMER operation during ECONOMY operation.
 - ③ When the operation is retrieved from CLEAN operation.
- When the following operations are set, ECONOMY operation will be canceled.
 - ① When the HI POWER/ECONO button is pressed again.
 - (2) When the operation mode is changed from DRY to FAN.
- Not operable while the air-conditioner is OFF.



CLEAN operation should be run after AUTO, COOL and DRY operation to remove the moisture from inside the indoor unit and control the growth of mold and bacteria.

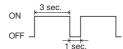


In order to active CLE switch with the tip of a	AN operation, press the CLEAN a ballpoint pen.
Every time the CLEAN switc switched in the order of:	ch is pressed, the display is
(CLEAN on)	→ No display



•

- Two hours later, the air-conditioner stops CLEAN operation automatically. To stop the air-conditioner immediately, press the ON/OFF button. CLEAN operation is not operated after HEAT, FAN, OFF-TIMER and . SLEEP operations have finished.
- The indoor unit fan runs for about two hours in CLEAN operation. .
 - The RUN light illuminates during CLEAN operation.



- Pressing the SLEEP button during CLEAN operation cancels the CLEAN operation and then the unit is set to SLEEP operation.
- This is not a function for removing mold, germs or grime that have already adhered to the unit.

Auto restart function

What is auto restart function?

- Auto restart function records the operational status of the air-conditioner immediately prior to be switched off by a power cut, and then . automatically resumes operations after the power has been restored.
- The following settings will be canceled:

Timer settings
 HIGH POWER operations



- Auto restart function is set at on when the air-conditioner is shipped from the factory. Consult with your dealer if this function needs . to be switched off.
- When power failure occurs, the timer setting is canceled. Once power is resumed, set the timer again. .

Tips for effective operation

Please observe the following for the most economic and comfortable use of your unit.

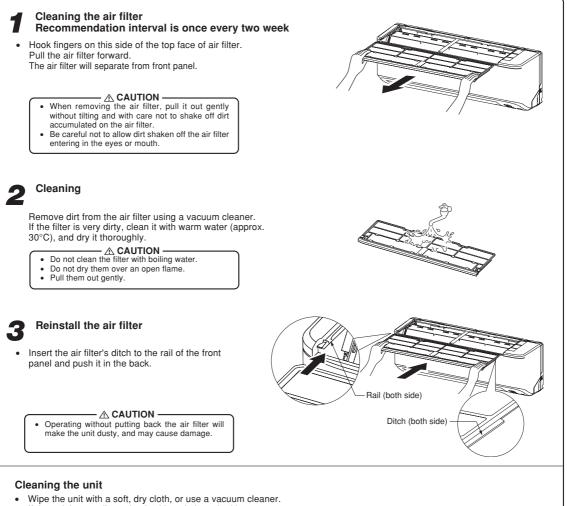
Set a suitable room temperature.	Clean the filter frequently.	Avoid direct sunlight and draught.
Excessively high or low temperatures are not good for your health and waste of electricity. Clogged filter may block the airflow and cause less efficient operation.		Cut out direct sunlight by drawing the cur- tains or blinds when cooling. Keep windows and doors shut, except when ventilating.
Adjust the airflow direction properly.	Operate the unit only when needed.	Keep heat source away when cooling.
Adjust the up/down and left/right airflow to ensure a steady room temperature.	Use the timer properly to operate the unit only when needed.	Keep heat sources out of the room as much as possible.

Maintenance

Carefull matter during maintenance

Turn off the power source.	Do not spill any liquid.	Do not use the following articles:
	 Wipe the unit with a soft, dry cloth. Do not touch the aluminum fins on the heat exchanger. Stand firmly on a stepladder or other stable object when removing the filter. 	 Hot water (40°C or more) It may deform or discolour the unit. Petrol, paint thinner, benzine or cleanser, etc. They may deform or scratch the unit.

During the operational season



• If the unit is very dirty, wipe it with a cloth soaked in warm water.

	NOTE Cooling/heating is affected by an air filter clo may also use extra electricity. Please clean		p with dust etc., and the operation noise becomes louder. It filter at recommendation intervals.
	At the end of the season		At the beginning of the season
1	Perform the fan operation for a half day. Dry the inside of the unit. Cooling season only.	1	Ensure that the earth wiring is not snapped nor disconnected.
2	Stop the unit and turn off the power source.	2	Check if there is no corrosion or rust on the base frame of the outdoor unit.
	The unit consumes approx. 2W even when the unit is not operat- ing. Turning off the power source will help saving energy con- sumption and cost.	3	Make sure that there are no obstacles block- ing the airflow around the air intake and outlet openings of the indoor and outdoor units.
3	Clean and reinstall the air filter.		
4	Clean both the indoor and outdoor units.	4	Turn on the power source.
5	Remove batteries from the remote control.	5	Insert batteries in the remote control.

e beginning of the season ire that the earth wiring is not snapped disconnected. k if there is no corrosion or rust on the frame of the outdoor unit. e sure that there are no obstacles blockhe airflow around the air intake and outlet ings of the indoor and outdoor units. on the power source. Insert batteries in the remote control. 5

Proper installation

Suitable installation position

- Do not put any obstruction in front of the indoor unit, preventing proper ventilation and functioning.
- Do not install the unit in any of the following places:Where there is a danger of leaking flammable gases.
- Where there is substantial splashing of oil.
- Malfunctioning due to corrosion may occur if the unit is installed in a spa where sulfide gases are generated, or in a seaside resort exposed to sea breezes. Contact your dealer.
- The air-conditioner and remote control must be at least 1 meter away from a TV set or radio.
- Drain the dehumidified liquid from the indoor unit into a spot that drains well.

Pay attention to operating noises!

- When you install the unit, take care to choose a place that can comfortably stand the weight of the unit and does not increase the operating noise
- or vibration. If vibration is transmitted through the house, fix the unit with the aid of vibration-proof pads between the unit and the fittings.
- Select a place where cold or hot air, operation noises from the indoor and outdoor units do not cause any inconvenience to your neighbours. Do not leave any obstacles near the outlet and inlet of the outdoor unit. This may cause malfunctioning and increased operating noise.
- If you hear an irregular noise during operation, contact your dealer.

Inspection and maintenance

Depending on operating environment, the inside of the air-conditioner may become dirty after a few year operations. This will reduce performance. In addition to normal cleaning, we would recommend inspection and maintenance. (This may lead the air-conditioner to having a longer life without any trouble.)

- Contact your dealer, or any distributor, for inspection and maintenance. (There will be a charge for this service).
- We would recommend inspection and maintenance to be carried out during the off-season
- If the supply cord of this appliance is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

Troubleshooting

Please carry out the following checks before making a service call.

The air-conditioner does not work at all.		
Has the power switch been turned off?	Has the timer been set in the "ON" position?	Is there a power failure or a blown fuse?

Poor cooling or heating			
Have you set the thermostat at a suitable temperature?	Is the air filter clean? (Not clogged?)	Did you leave any doors or windows open?	

Poor cooling		
Is there any direct sunlight entering the room?	Are there too many people in the room?	

If the air-conditioner does not operate properly after you have checked the above points, or if any doubt still exists after you have consulted page 20, or if things happen as shown on page 21, switch off the power and contact your dealer.

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Г An alternative refrigerant (R410A) is used in this air-conditioner. When asking your dealer for service or inspection and maintenance, explain the dealer about it.

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Notice

Air flow

Airflow is not blown out when starting the HEATING opera- tion. RUN light blinks slowly (1.5 sec ON, 0.5 sec OFF)	Airflow has stopped to prevent blowing out of cold air until the indoor heat exchanger has warmed up. (2 to 5 min.) (HOT KEEP program)
Airflow is not blown out for 5 to 10 min. or blown out not warm wind for a moment at HEATING operation. RUN light blinks slowly (1.5 sec ON, 0.5 sec OFF)	When outdoor temperature is low and humidity is high, the unit sometimes performs defrosting automatically. Please wait. Dur- ing defrosting, water or steam may escape from the outdoor unit.
Airflow is not blown out when starting the DRY operation. (RUN light is on)	The indoor fan may stop to prevent re-evaporation of dehumified moisture and to save energy.

Noise

You hear a slight gurgling sound.	This is caused by refrigerating liquid moving within the unit.	
You hear a slight cracking sound.	This is caused by heat expansion or contraction.	
You hear a hissing or clicking sound.	This is caused by the operation of the refrigerant control valves or electric components.	
Whistling noise is heard from the outdoor unit.	The noise means that the revolution speed of the compressor is increasing or decreasing.	

Others

The unit does not restart immediately after you have stopped it. (RUN light is on)	Restart is blocked for 3 minutes after you have stopped the op- eration to protect the unit. The three-minute protection timer in the microcomputer auto- matically starts it up again.
Some steam escapes during COOL operation.	This may occur if the romm's temperature and humidity are very high. It disappears as soon as the temperature and humidity decrease.
There is a slight smell.	Air blown out during operation may smell. This is caused by to- bacco or cosmetics adhering to the unit.
After a power cut, the unit does not restart even if power has been restored.	If the auto restart function is not set, the unit will not restart auto- matically. Use the remote control to start the operation again.
Remote control signals are not received.	Remote control signals may not be received if the signal receiver on the air-conditioner is exposed to direct sunlight or other bright light. If so, cut out the sunlight or reduce the other light.
Moisture may form on the air outlet grills.	If the unit is operated for a long time in high humidity, moisture may form on the air outlet grills and start dripping.
Fan will not stop immediately after unit operation was stopped.	Indoor fan : Fan will not stop after 2 hours if set to CLEAN operation. Outdoor fan : Fan will not stop about a 1 minute period in order to protect the unit.
RUN light stays on even though operation was stopped.	The RUN light illuminates during CLEAN operation. Run light turns off when CLEAN operation ends.

Contact your dealer

Turn off the power switch immediately and inform your dealer in any of the following situations:

The cable becomes extremely hot. The covering of the cable is cracked.		
The fuse or switch blows continuously.		The TV, radio or other equipment starts to malfunction.
A switch does not activate properly.		You hear a strange noise during operation.
When abnormalities occur, turn off the power source imme- diately and turn it on after 3 minutes. Restart the operation with ON/OFF button of the remote control and the abnor- malities still continue.		The RUN and TIMER lights on the unit display section blink quickly (0.5 sec. ON; 0.5 sec. OFF) and do not work.



	RUN light		
	↓ Not light	Description of trouble	Cause
1-time flash	· · · · · · · · · · · · · · · · · · ·	- Heat exchanger sensor error	Broken heat exchanger sensor wire, poor connector connection
	2-time flash	- Room temperature sensor error	Broken room temperature sensor wire, poor connector connection
TIMER light ON	5-time flash	Active filter voltage error	Defective outdoor unit boards
	6-time flash	- Indoor fan motor error	Defective fan motor, poor connector connection
	TIMER light		
Γ	U 1-time flash	Outdoor temperature sensor error	Broken outdoor sensor wire, poor connector connection
RUN light keeps flashing	2-time flash	Outdoor heat exchanger fluid pipe sensor error	Broken heat exchanger fluid pipe sensor wire, poor connector connection
	4-time flash	Discharge pipe sensor error	Broken discharge pipe sensor wire, poor connector connection
Γ	1-time flash	. Current cut	Compressor locking, open phase on compressor output, shortcircuit on power transistor, closed service valve
-	2-time flash	Trouble of outdoor unit	Broken power transistor, broken compressor wire Broken discharge pipe sensor wire, poor connector connection Compressor blockage
_	3-time flash	Over current	Overload operation, overcharge of refrigeration
	4-time flash	Power transistor error	Broken power transistor
RUN light ON	5-time flash	Over heat of compressor	Gas shortage, defective discharge pipe sensor, closed service valve
-	6-time flash	Error of signal transmission	Defective power source, Broken signal wire, defective in/outdoor unit boards
-	7-time flash	Outdoor fan motor error	Defective fan motor, poor connector connection
	Keep flashing	Cooling high pressure protection	Overcharge of refrigeration, short circuit of outdoor unit
RUN light 2 time flash	2-time flash	Rotor lock	Defective compressor Open phase on compressor Defective outdoor unit boards

