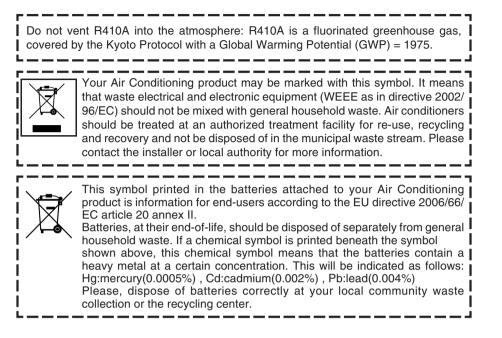
Thank you for purchasing a MITSUBISHI HEAVY INDUSTRIES, LTD. Air-Conditioner. To get the best long-lasting performance, please read and follow this User's Manual carefully before using your air-conditioner. After reading, please store the Manual in a safe place and refer to it for operational questions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

This air-conditioner is intended for domestic use.



ENGLISH

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USER'S MANUAL MITSUBISHI HEAVY INDUSTRIES, LTD. AIR-CONDITIONER



MANUEL DE L'UTILISATEUR	FRANÇAIS
ANWENDERHANDBUCH KLIMAGERÄT	DEUTSCH
ISTRUZIONI PER L'USO CONDIZIONATORE D'ARIA	ITALIANO

MANUAL DEL PROPIETARIO ESPAÑOL ACONDICIONADOR DE AIRE

GEBRUIKERSHANDLEIDING NEDERLANDS

MANUAL DO UTILIZADOR PORTUGUÊS APARELHO DE AR CONDICIONADO

ΟΔΗΓΙΕΣ ΧΡΗΣΗΣ ΕΛΛΗΝΙΚΑ

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РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ РУССКИЙ

КОНДИЦИОНЕР ВОЗДУХА

KULLANIM KILAVUZU TÜRKÇE

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AIR-CONDITIONING & REFRIGERATION SYSTEMS HEADQUARTERS

16-5, 2-Chome, Kounan, Minato-ku, Tokyo, 108-8215, Japan Fax: (03) 6716-5926

MITSUBISHI HEAVY INDUSTRIES EUROPE, LTD.

AIR-CONDITIONER DIVISION

3rd Floor Thavies Inn House 3-4 Holborn Circus London EC1N 2HA, ENGLAND Phone: 44(0)20 7842 8171 Fax: 44(0)20 7842 8104

€

DXK09Z3-S DXK12Z3-S DXK18Z3-S

This air conditioner complies with **EMC** Directive 2004/108/EC, LV Directive 2006/95/EC.

00000

Ce climatiseur est conforme à la Directive **EMC**: 2004/108/EC, LV Directive 2006/95/EC.

Dieses Kimagerät erfüllt die **EMC** Direktiven 2004/108/EC, LV Direktiven 2006/95/EC.

Questo condizionatore d'aria è conforme alla Direttiva EMC: 2004/ 108/EC, LV Direttiva 2006/95/EC. Este acondicionador de aire cumple con la directiva $\mbox{EMC}:$ 2004/ 108/EC, LV Directiva 2006/95/EC.

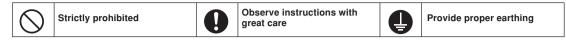
Deze airconditioner voldoet aan \mbox{EMC} Directive 2004/108/EC, LV Directive 2006/95/EC.

Este aparelho de ar condicionado está em conformidade com a Directiva **EMC** 2004/108/EC e a Directiva LV 2006/95/EC.

Αυτό το κλιματιστικό είναι σύμφωνο με τις προδιαγραφές της Οδηγίας **EMC** 2004/108/ΕΚ και της Οδηγίας LV 2006/95/ΕΚ.

Safety precautions

- · Before starting to use the system, please read these "Safety precautions" carefully to ensure proper operation of the system.
- The safety precautions are classified as "A DANGER" and A CAUTION". Precautions as shown in the column A DANGER" indicate that improper handling could lead to drastic result like death, serious injury, etc. Even precautions as shown in the column A CAUTION" might pose a serious problem, depending on the circumstances. 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:



When you have read this instruction manual, please keep it without missing. If someone else takes over as operator, make certain that the manual is
also passed on to the new operator.

IINSTALLATION PRECAUTIONS

The system is for domestic, residential etc. use.



If used in severer 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.



Improper installation may lead to

water drop in the room resulting in

Make sure to install the drain hose

properly so that all the water is

wet furniture.

drained out.

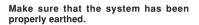


Depending on the place of installation, an earth leakage breaker may be necessary.



∧ CAUTION

If you do not install an earth leakage breaker, you may get an electric shock.





Earth cables should never be connected to a gas pipe, water pipe, lightning conductor or telephone earth cable. Incorrect installation of the earth cable may produce an electric shock.

I OPERATION PRECAUTIONS

Do not expose yourself to the cooling air for a long period.	Do not insert anything into the air inlet.	Store the remote control out of reach of infants.
This could affect your physical condition and cause health problems.	This may cause injury, as the inter- nal fan rotates at high speed.	Failure to observe this may result in the batteries being swallowed or other accidents.
	△ CAUTION	
Only use approved fuses.	Do not handle the switches with wet hands.	Do not swing from the indoor unit.
Use of steel or copper wire instead of an approved fuse is strictly prohib- ited, as it may cause a breakdown or fire.	This may cause an electric shock.	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.	You should not expose any combus- tion appliance directly to the air stream of the air-conditioner.	Do not wash the air-conditioner with wa- ter.
This may result in a fire.	The appliance may then work inad- equately.	This could cause an electric shock.
The system should only be used for its original purpose and not for anything else like, for instance, preservation of food, plants or animals, precision devices or works of art.	Do not place anything containing wa- ter, like vases, on top of the unit.	Do not install the system where the airflow direction is aimed directly at plants or animals.
The system is only intended for use in	Water entering the unit could dam-	This will damage their health.



The system is only intended for use in ordinary domestic rooms. Any other use of the system may damage the quality of food, etc. Water entering the unit could damage the insulation and therefore cause an electric shock.

This will damage their health

Do not sit on the outdoor unit nor put anything on it.	After a long period of use, check the unit's support structure from time to time.	Do not touch the aluminum fins on the air heat exchanger.
If the unit falls down or things drop off it, people could get hurt.	If you do not repair any damage right away, the unit may fall down and cause personal injury.	It may result in injury.
Do not place household electrical appli- ances or household items under neath the indoor or outdoor units.	Do not operate the system without the air filter.	Do not shut off the power supply im- mediately after stopping the opera- tion.
Condensation falling from the unit may stain objects and cause accidents or electrical shock.	It can cause malfunction of the sys- tem due to clogging of the heat ex- changer.	Wait at least 5 minutes, otherwise there is a risk of water leakage or breakdown.
Do not control the system with main power switch.	If you operate the system together with a combustion appliance, you must regularly ventilate the indoor air.	Stand firmly on a stepladder or other stable object when removing the inlet panel and filters.
It can cause fire or water leakage. In addition, the fan can start unexpectedly, which can cause personal injury.	Insufficient ventilation may cause accidents due to oxygen deficiency.	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 supply.	Do not place objects near the outdoor unit or allow leaves to gather around the unit.	Contact your dealer to clean inside the indoor unit, do not attempt to do by yourself.
Never open the panel while the internal fan is rotating.	If there are objects or leaves around the outdoor unit, small animals may enter unit and contact electri- cal parts and may cause a break- down, smoke or fire.	The use of a non-approved detergent or improper washing method may damage the unit's plastic compo- nents and cause leaks. Damage, smoke, or fire may also happen if the detergent comes in contact 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.

PRECAUTIONS FOR RELOCATION OR REPAIRS

Do not perform any repairs or modifications by yourself. Consult the dealer if the unit requires repair.



If you repair or modify the unit, it can cause water leaks, electric shocks or fire.



Wrong repairs could cause an electric shock, fire, etc.

Consult your dealer for repairs.

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 supply and consult your dealer.

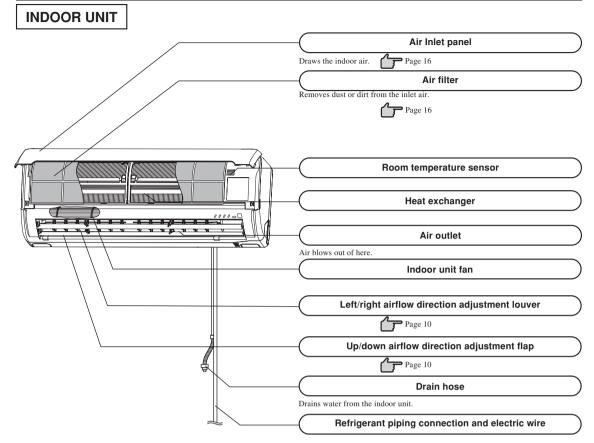


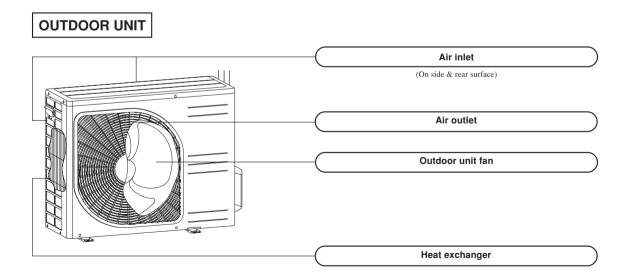
Continued use of the system in abnormal circumstances may result in malfunctioning, electric shock, fire, etc. If the air-conditioner fails to cool or warm the room, it may have a refrigerant leakage. Contact your dealer. If refrigerant needs to be added, check with your dealer for proper instructions.



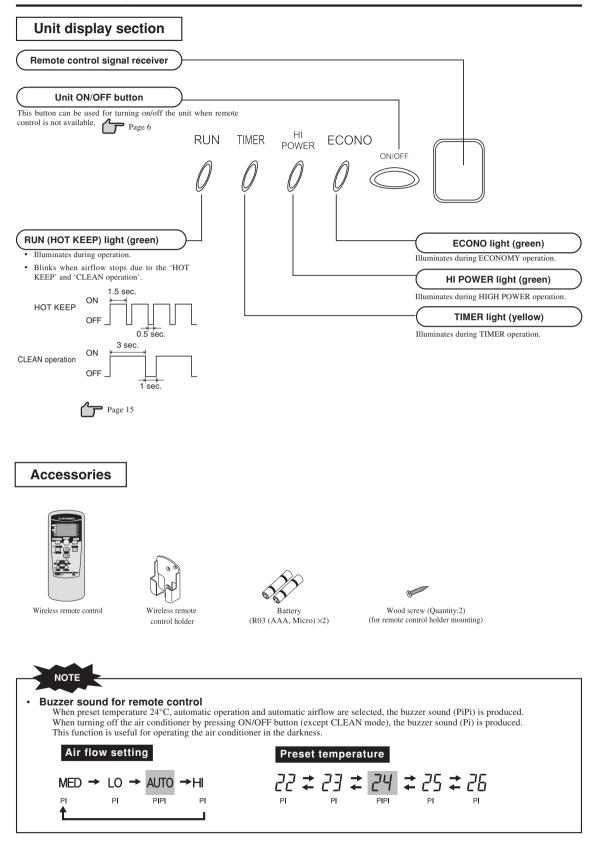
The refrigerant used in your air-conditioner is safe. However, if refrigerant unexpectedly leaks from the unit onto a fan heater, stove, hotplate or other heat source, harmful gases could be generated.

Name of each part and its function





Name of each part and its function

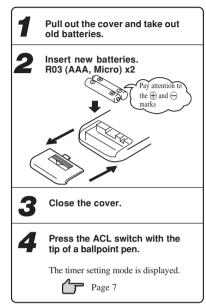


Remote control handling

Replacing the batteries

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

- Receiving beep is not emitted when a signal is transmitted.
- 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 battery is used, liquid may leak from the battery, causing the remote control to malfunction. The recommendable 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.



Below

Warning note for remote control handling

Strictly prohibited		
 Do not go near high temperature places, such as an electric carpet or 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?

"Replacing the batteries" above.

Replace the batteries with new ones and retry the operation.

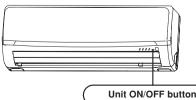
• If the operation fails, operate the unit with temporary operation function.

Contact your dealer to have the remote control checked.

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

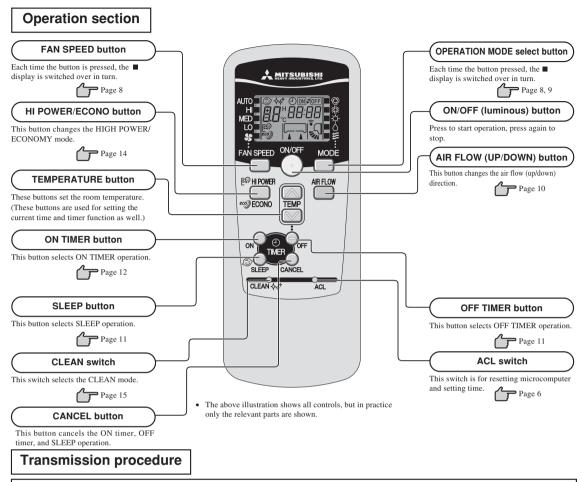


 Operation starts by pressing the unit ON/OFF button; it stops if you press the button again.



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.)

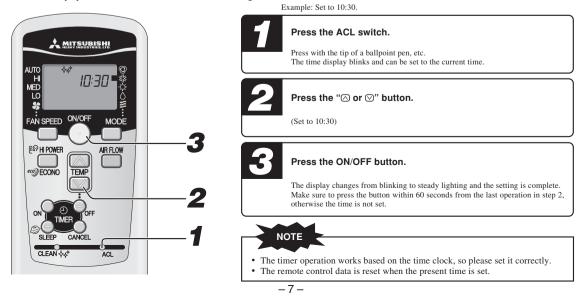
Operation and display section for remote control



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.

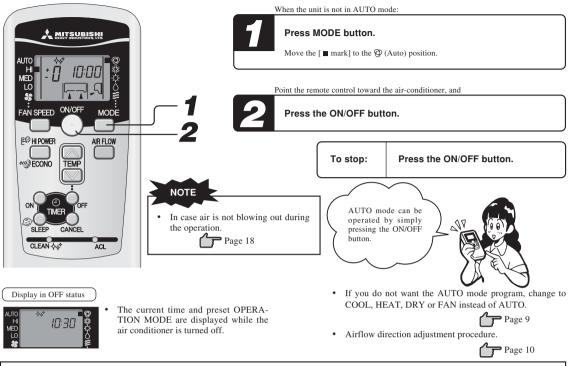
Current time setting

When inserting the batteries, the current time is automatically set to time setting mode. 13:00 is displayed as the current time. Set the clock to the right time.



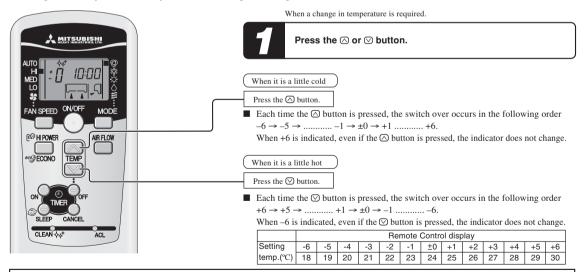
AUTO mode operation

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



Temperature adjustment during AUTO

Air temperature adjustment is possible even during automatic operation. There are 6 levels of adjustment possible with the Sutton or the Sutton. During automatic operation, 24°C is preset both for heating and cooling.



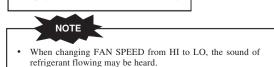
FAN SPEED

• You can choose the capacity of your air-conditioner when heating mode, cooling mode or fan 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

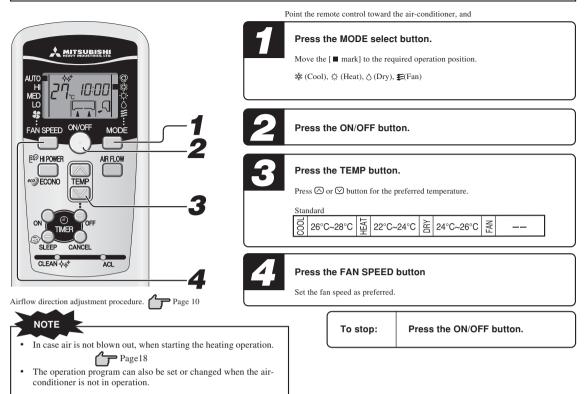
Press the FAN SPEED button.

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



- 8 -

COOL/HEAT/DRY/FAN mode operation



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 21 °C to 46 °C	Approximately -15 to 21 °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 drips.	_

Characteristics of HEAT mode operation

Mechanism and capacity of HEAT mode operation

Mechanism

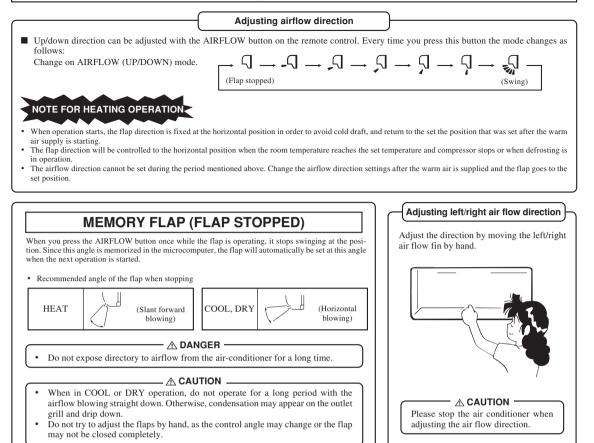
- The unit draws heat from the cold outside air, transfers it to indoors and heats the room. As a characteristic of heat pump system, the heating capacity reduces when the outside air temperature gets colder.
- It may take some time to supply hot air after turning on the air-conditioner.
- · If the outside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

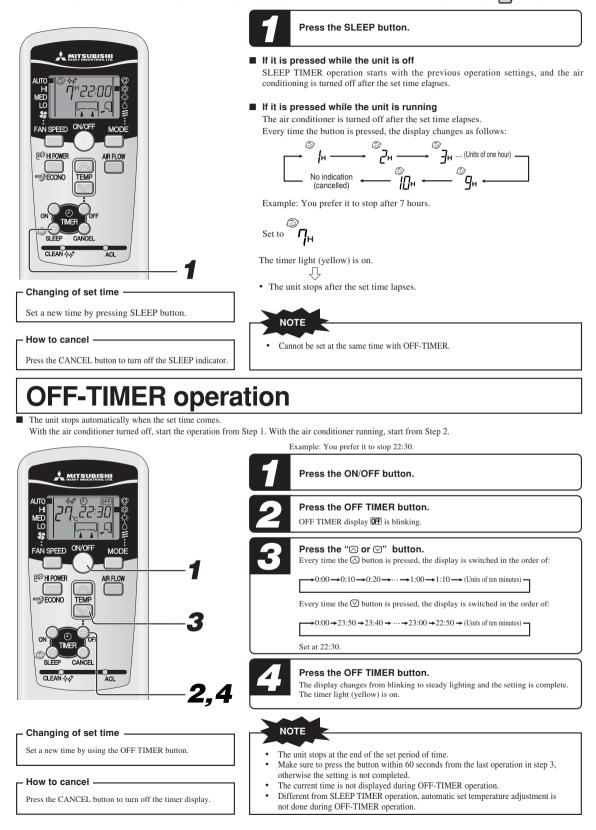
Airflow direction adjustment



SLEEP TIMER operation

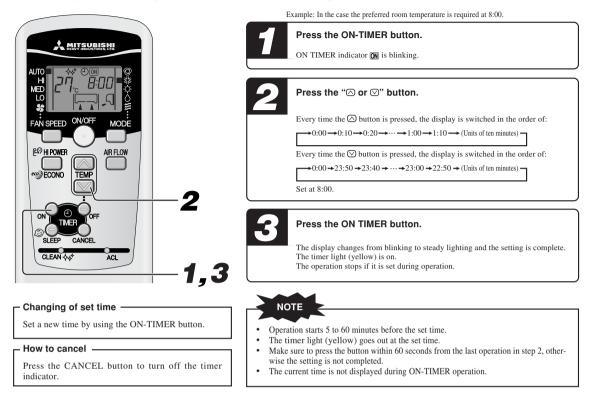
The unit stops automatically after the set time lapses.

The set temperature is automatically adjusted according to the elapsed time in order to avoid too much cooling or heating. Page 13



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. ON-TIMER operation can be set regardless of whether the air-conditioner is running or not.



SLEEP TIMER + ON-TIMER operation

Combined timer operation of SLEEP TIMER and ON TIMER.



- Changing of set time —

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.

Page 13

SLEEP TIMER setting

Set by the procedures on page 11.

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. $\label{eq:generalized} \prod_{i=1}^{n}$

- 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

Press the CANCEL button to turn off the timer display.

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: When it is prefered to stop at 22:30, and then start operation at 8:00, near the set temperature.

OFF TIMER operation setting

Set by the procedures on page 11.

ON TIMER operation setting

Set by the procedures on page 12.

Timer light (yellow) on the unit will light when the setting is completed.

The set time will be displayed on the remote control unit. The display will change depending on the operational status.

S



With ON TIMER, the air conditioner starts running. Then, with OFF TIMER, the air conditioner stops running.



With OFF TIMER, the air conditioner stops running. Then, with ON TIMER, the air conditioner starts running.

Changing of set time -

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

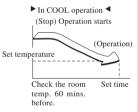
How to cancel

Press the CANCEL button to turn off the timer display.

Comfort Start-up

In ON TIMER operation, the unit starts the operation a little earlier, so 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 temperature at that time, the operation starts 5 to 60 minutes before the timer is at ON.
- The function is available for both COOL and HEAT operation mode (including AUTO). It does not work for DRY mode.

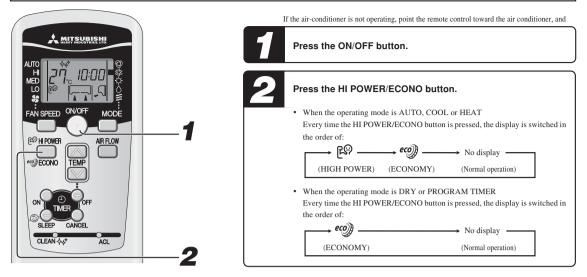


SLEEP TIMER

When SLEEP 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.
- During heating: Preset temperature is lowered by 1°C at the start of SLEEP operation (when the timer is set). After that the temperature to becomes 3°C lower in an hour and 6°C lower in two hours than the present temperature.

HIGH POWER/ECONOMY operation



- Concerning 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 \mathcal{E}^{GP} displays and the FAN SPEED display disappears.



- 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.
 - 2 When the operation mode is changed.
 - (3) When it has been 15 min. since HIGH POWER operation has started.
- Not operable while the air conditioner is OFF.

Concerning 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 evaluation displays and the FAN SPEED display disappears.



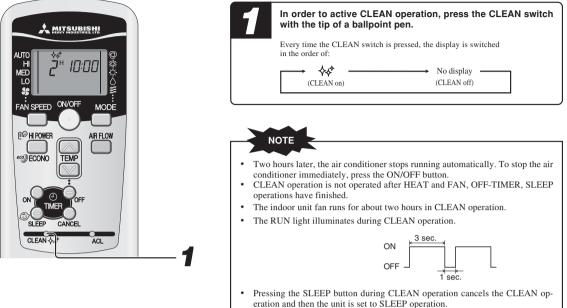
- It will go into ECONOMY operation at the next time the air-conditioner runs in the following case.
 - When the air-conditioner is stopped by ON/OFF button during ECONOMY operation.
 - (2) When the air-conditioner is stopped in SLEEP or OFF TIMER operation during ECONOMY operation.
- ③ When the operation 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 DRY to FAN.
- Not operable while the air conditioner is OFF.

SELF CLEAN operation

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



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 cancelled:
 - Timer settings
 - 2 HIGH POWER operations

NOTE

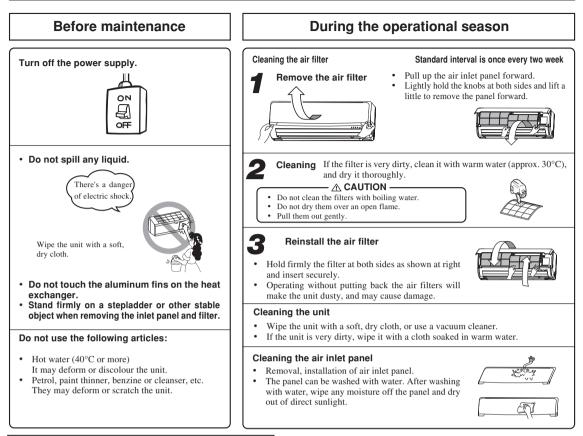
- Auto restart function is set at on when the air-conditioner is shipped from the factory. Consult with your dealer if this function needs to be switched off. When power failure occurs, the timer setting is cancelled. Once power is resumed, set the timer again.

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 filters frequently.	Avoid direct sunlight and draught.
Excessively high or low temperatures are not good for your health and waste of electricity.	Clogged filters 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



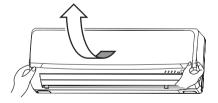
How to open, close the air inlet panel

Open

Place fingers at the recesses on both sides of the panel and pull up the panel forward so that it will be open by about 60 degrees.

Close

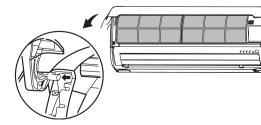
Push both ends evenly and press further lightly at the center.



Removal, installation of air inlet panel

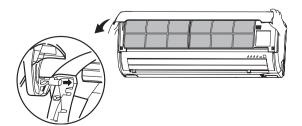
Removal

When removing the air inlet panel for internal cleaning or others, open the panel by 80 degrees and then pull it forward.



Installation

Secure the upper edge of the air inlet panel by lightly pushing it in, and then close the panel.





Cooling/heating is affected by an air filter clogged up with dust etc., and the operation noise becomes louder. It may also use extra electricity. Please clean the air filter at appropriate intervals.

At the end of the season	At the beginning of the season
Perform the fan operation for a half day. Dry the inside of the unit.	1 Make sure that there are no obstacles blocking the airflow around the air intake and outlet openings of the indoor and outdoor units.
2 Stop the unit and turn off the power supply.	 2 Check if there is no corrosion or rust on the base frame of the outdoor unit. 2 Ensure that the earth wiring is not snapped nor
The unit consumes appr. 2W even when the unit is not operating. Turning off the power supply will help saving energy consumption and cost. Clean and reinstall the air filters.	 3 Listre that the cart mining to not onapped not disconnected. 4 Ensure that the air filters are clean.
Clean both the indoor and outdoor units.	5 Turn on the power supply.
5 Remove batteries from the remote control.	6 Insert batteries in the remote control.

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 metre 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

The air-conditioner does not work at all.		If the air-conditioner does not of ate properly after you have che	
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?	the left points, or if any doubt exists after you have consulted 18, or if things happen as show page 19, switch off the power contact your dealer.
	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?	
suitable temperature			
	Poor cooling		
Is there any direct sunlight en- tering the room?	Is there a heat source in the room?	Are there too many people in the room?	
	refrigerant (R410A) is use rice or inspection and main		

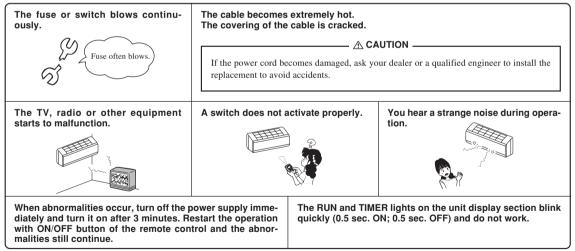
Notice

The unit does not restart immediately after you have stopped it.	Restart is blocked for 3 minutes after you have stopped the operation to protect the unit.
(RUN light is on)	Please wait for three minutes. The three-minute protection timer in the microcomputer automatically starts it up again.
Airflow is not blown out when starting the HEATING opera- tion.	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)
RUN light blinks slowly (1.5 sec ON, 0.5 sec OFF)	
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 some- times performs defrosting automatically. Please wait. During defrost- ing, water or steam may escape from the outdoor unit.
Airflow is not blown out when starting the DRY operation.	The indoor fan may stop to prevent re-evaporation of dehumified moisture and to save energy.
(RUN light is on)	noistae and to sure energy.
Some steam escapes during COOL operation.	This may occur if the room'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 tobacco or cosmetics adhering to the unit.
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.
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 automatically. 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.
Whistling noise is heard from the outdoor unit.	The noise means that the revolution speed of the compressor is increasing or decreasing.
Fan won't 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:



Self diagnosis function

We are constantly trying to do better service to our customers by installing such judges that show abnormality of each function as follows:

Image: Construction of routible Case Image: Construction of routible Case Image: Construction of routible Broken beat exchanger sensor wire, poor connector Image: Construction of the sensor error Broken room temperature sensor wire, poor connector connection TIMER light ON 5 time flash Active filter valage error Defective fam motor, poor connector connection TIMER light ON 5 time flash Active filter valage error Defective fam motor, poor connector connection TIMER light Image: Construction of the temperature sensor error Broken outdoor sensor wire, poor connector connection TIMER light Outdoor temperature sensor error Broken outdoor sensor wire, poor connector connection RUN light keeps flashing 2 time flash Outdoor heat exchanger fluid pip Broken outdoor sensor wire, poor connector connection RUN light keeps flashing 2 time flash Outdoor heat exchanger fluid pip Broken discharge pips sensor wire, poor connector connection Image: Construction of the flash Outdoor nuit Broken discharge pips sensor wire, poor connector connection Image: Construction of the flash Outdoor nuit Broken discharge pips sensor wire, poor connector connection Image: Construction of the flash Over current Overshout discharge		RUN light		
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Stime flash Active filter voltage error • Defective power supply 6 time flash Indoor fan motor error • Defective fan motor, poor connector connection TIMER light Image: Stime flash Outdoor temperature sensor error • Broken outdoor sensor wire, poor connector connection RUN light keeps flashing 2 time flash Outdoor temperature sensor error • Broken outdoor sensor wire, poor connector connection RUN light keeps flashing 2 time flash Outdoor temperature sensor error • Broken discharge pipe sensor wire, poor connector connection. I time flash Dicharge pipe sensor error • Broken discharge pipe sensor wire, poor connector connection. I time flash Current cut • Compressor locking, open phase on compressor output, shorticrizit on power transistor, broken compressor output, shorticrizit on power transistor, poor connector connection I time flash Over current • Overhead operation, overcharge I time flash Over current • Orerload operation, overcharge I time flash Over heat of compressor • Gas shortage, defective discharge pipe sensor, closed service valve I time flash Over heat of compressor • Gas shortage, defective discharge pipe sensor, closed service valve I time flash Over heat of compressor • Gas shortage, defective disch		2 time flash	- Room temperature sensor error	Broken room temperature sensor wire, poor connector connection
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Image: Construction of the flash Current cut • Compressor locking, open phase on compressor output, shortcircuit on power transistor, closed service valve Image: Current cut • Compressor locking, open phase on compressor output, shortcircuit on power transistor, closed service valve Image: Current cut • Broken power transistor, closed service valve Image: Current cut • Broken power transistor, closed service onnection Image: Current cut • Broken power transistor, closed service onnection Image: Current cut • Broken power transistor Image: Current cut • Overload operation, overcharge Image: Current cut • Over heat of compressor Image: Current cut • Gas shortage, defective disc	RUN light keeps flashing	2 time flash		
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RUN light ON 4 time flash Over current • Broken power transistor, closed service valve 8 UN light ON 4 time flash Power transistor error • Broken power transistor 6 time flash Over current • Broken power transistor 9 Under the flash Over current • Overload operation, overcharge 9 Under the flash • Over current • Broken power transistor 9 Over transistor error • Broken power transistor 9 Over heat of compressor • Gas shortage, defective discharge pipe sensor, closed service valve 9 Over heat of compressor • Defective power supply, Broken signal wire, defective in/outdoor unit boards				
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RUN light ON 4 time flash Power transistor error • Broken power transistor 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 supply, Broken signal wire, defective in/outdoor unit boards	_	2 time flash	Trouble of outdoor unit	· Broken discharge pipe sensor wire, poor connector connection
KOV Igal OV Value Value 5 time flash Over heat of compressor 6 time flash Error of signal transmission	_	3 time flash	Over current	Overload operation, overcharge
5 time flash Over heat of compressor valve 6 time flash Error of signal transmission • Defective power supply, Broken signal wire, defective in/outdoor unit boards	RUN light ON	4 time flash	Power transistor error	Broken power transistor
6 time flash Error of signal transmission unit boards	_	5 time flash	Over heat of compressor	
7 time flash Outdoor fan motor error • Defective fan motor, poor connector connection		6 time flash	Error of signal transmission	
		7 time flash	Outdoor fan motor error	Defective fan motor, poor connector connection

RUN light 2 time flash	2 time flash	Rotor lock	 Defective compressor Open phase on compressor Defective outdoor unit boards 	
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