



**MITSUBISHI  
ELECTRIC**

## SPLIT-TYPE AIR CONDITIONERS

### INDOOR UNIT

MSZ-FH25VE

MSZ-FH35VE

MSZ-F-



DEN INTELLIGENT  
www.denintelligent.com/info

#### INSTRUCTIONS

#### For user

Correctly and safely, be sure to read these operating instructions.

#### EITUNG

#### For den Anwender

und ordnungsgemäßen Gebrauch des Geräts unbedingte Anleitung vor der Inbetriebnahme durchlesen.

#### TION

#### A l'attention des clients

ture d'utiliser cet appareil correctement et en toute sécurité cette notice d'instructions avant de mettre le climatiseur en marche.

#### UCTIES

#### Voor de klant

orrect en veilig te kunnen gebruiken moet u deze gebruiksaanwijzing eerst doorlezen.

#### UCCIONES

#### Para los clientes

unidad de forma correcta y segura, lea previamente las instrucciones de funcionamiento.

#### IZIONI

#### Per gli utenti

ettamente ed in tutta sicurezza questo apparecchio, leggendo il libretto d'istruzioni prima dell'uso.

#### ΠΙΑΣ

#### Για το χρήστη

ήσετε αυτή τη μονάδα σωστά και με ασφάλεια, βεβαιώντας από αυτό το εγχειρίδιο οδηγιών πριν από τη χρήση.

#### OPERAÇÃO

#### Para o utilizador

unidade correctamente e com segurança, certificando-se das instruções de operação antes da utilização.

#### EDNING

#### Til kunden

ingsvejledningen før brug, så enheden bruges korrekt.

#### För användaren

gen innan enheten tas i bruk så att den används säkert.

#### İATLARI

#### Kullanıcı için

ve güvenli bir biçimde kullanmak için, kullanmadan önce imatlarını okuduğunuzdan emin olun.

#### ЭКСПЛУАТАЦИИ

#### Для пользователя

ной и безопасной эксплуатации данного устройства перед его использованием прочтите настоящие инструкции по эксплуатации.

**English**

**Deutsch**

**Français**

**Nederlands**

**Español**

**Italiano**

**Ελληνικά**

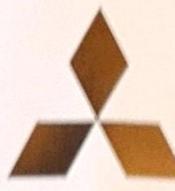
**Português**

**Dansk**

**Svenska**

**Türkçe**

**Русский**



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## SPLIT-TYPE AIR CONDITIONERS

### INDOOR UNIT

MSZ-FH25VE

MSZ-FH35VE

MSZ-FH50VE



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**DEUTSCH** For den An-  
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ungsanleitung vor der Inbetriebn-

**FRANÇAIS** A  
tude d'utiliser cet appa-  
e cette notice d'in-

**RUSSIAN** Voor de klant  
как можно безопасно и корректно использовать это устройство,  
пожалуйста, прочтите инструкцию перед ее включением.

**ESPAÑOL** Para los client  
unidad de forma correcta y segura,  
de funcionamiento.

**ITALIANO** Per gli utenti  
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**GREEK** Για το χρήστη  
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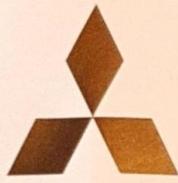
**PORTUGUESE** Para o utilizador  
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**SWEDISH** För användaren  
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**TURKISH** Kullanıcı için  
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MITSUBISHI  
ELECTRIC

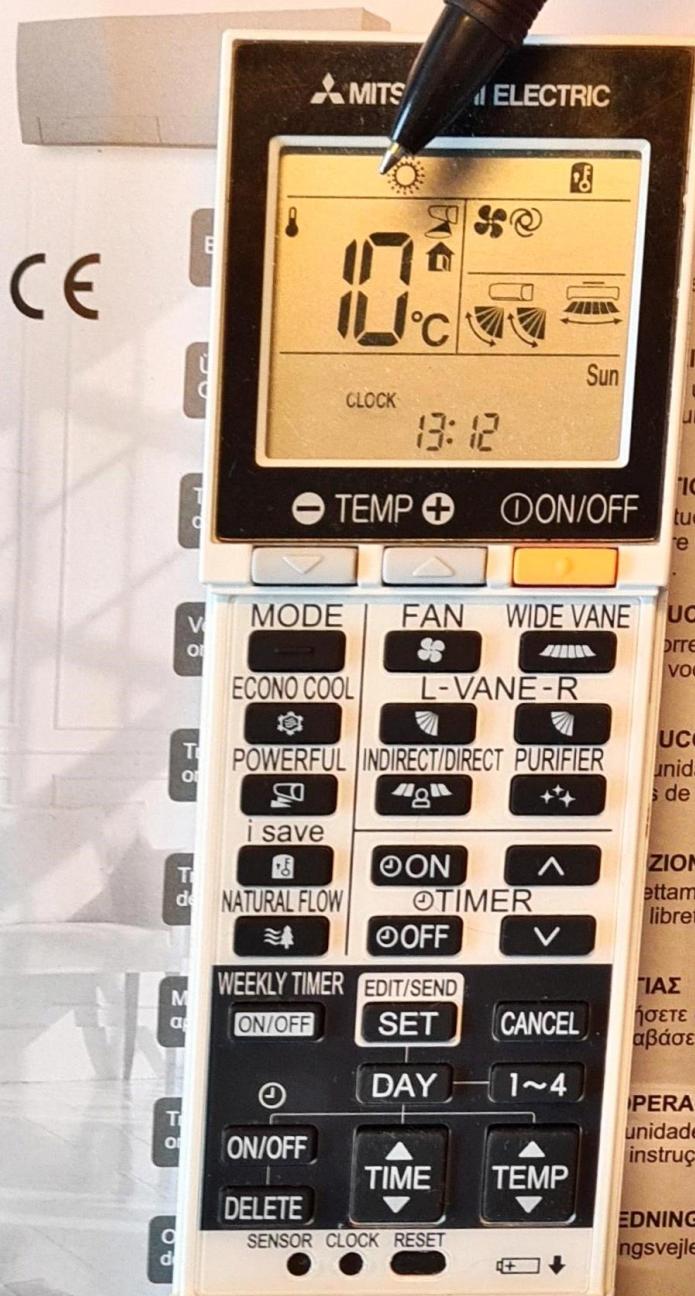
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### INDOOR UNIT

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#### INSTRUCTIONS

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#### ANWENDUNG

For den Anwender  
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#### ATTENTION

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#### INSTRUCTIES

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#### OPERAÇÃO

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Eng

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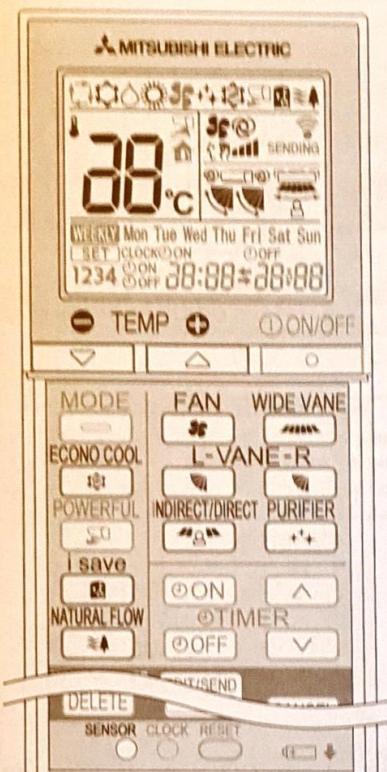
Dansk

Svenska

Türkçe

Русский

## I-SAVE OPERATION



**1** Press during COOL, ECONO COOL, or HEAT mode to select i-save mode.

**2** Set the temperature, fan speed, and airflow direction.  
• The same setting is selected from the next time by simply pressing .

- Two settings can be saved. (One for COOL/ECONO COOL, one for HEAT)
- Select the appropriate temperature, fan speed, and airflow direction according to your room.
- Normally, the minimum temperature setting in HEAT mode is 16°C. However, during i-save operation only, the minimum temperature setting is 10°C.

Press again to cancel i-save operation.  
• i-save operation also is cancelled when the MODE or POWERFUL button is pressed.

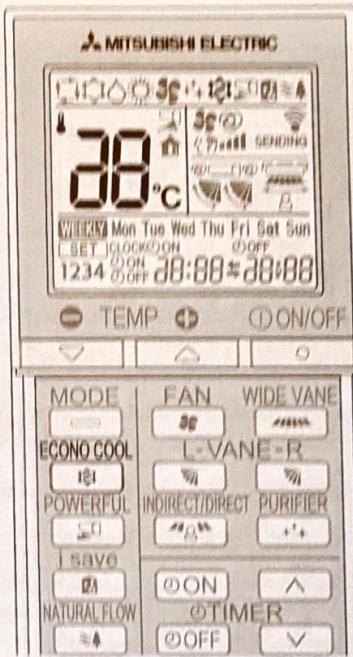
### i-save operation

A simplified set back function enables to recall the preferred (preset) setting with a single push of the button. Press the button again and you can go back to the previous setting in an instance.

#### Example of use:

1. Low energy mode  
Set the temperature 2°C to 3°C warmer in COOL and cooler in HEAT mode. This setting is suitable for unoccupied room, and while you are sleeping.
2. Saving frequently used settings  
Save your preferred setting for COOL/ECONO COOL and HEAT. This enables you to select your preferred setting with a single push of the button.

## ECONO COOL OPERATION



**ECONO COOL**  
Press during COOL mode page 6 to start ECONO COOL operation.

The unit performs swing operation vertically in various cycles according to the temperature airflow.

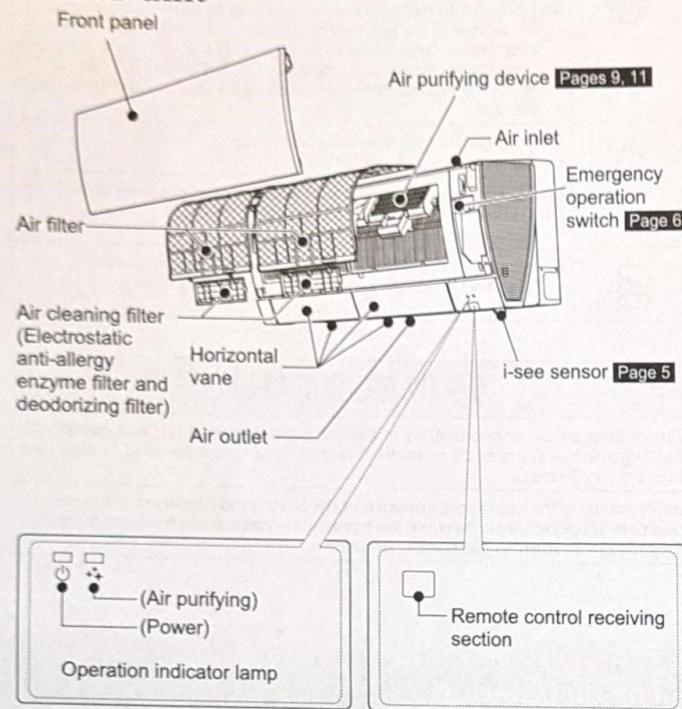
**ECONO COOL**  
Press again to cancel ECONO COOL operation.  
• ECONO COOL operation is also cancelled when the VANE, POWERFUL, or NATURAL FLOW button is pressed.

### What is "ECONO COOL"?

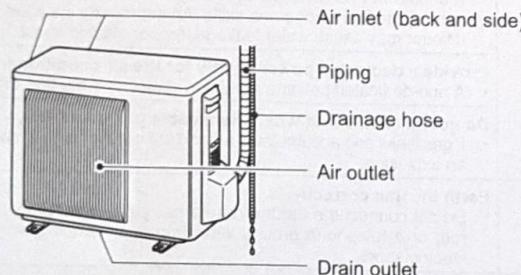
Swing airflow (change of airflow) makes you feel cooler than stationary airflow. So, even though the set temperature is automatically set at 2°C higher, it is possible to perform cooling operation with keeping comfort. As a result, energy can be saved.

# NAME OF EACH PART

## Indoor unit

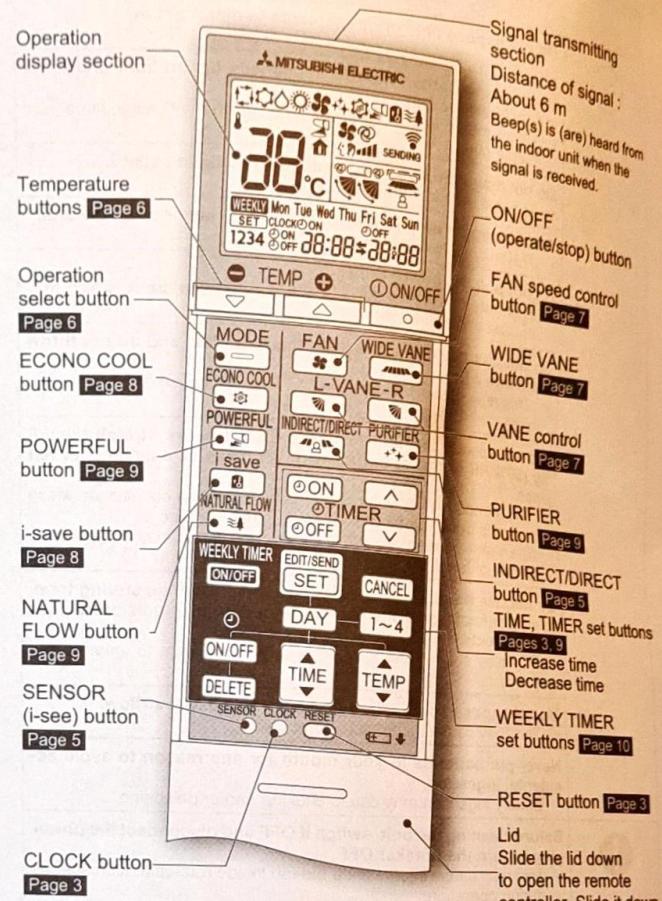


## Outdoor unit

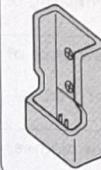


Outdoor units may be different in appearance.

## Remote controller



### Remote controller holder



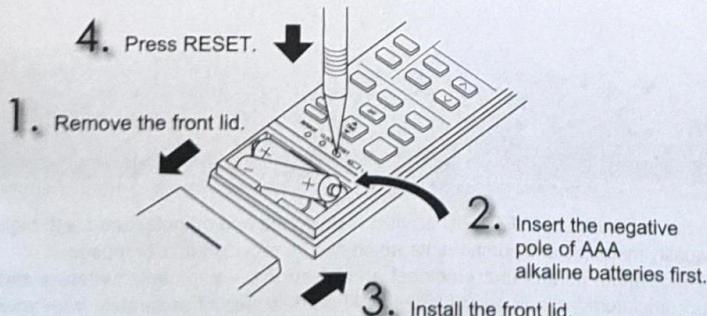
- Install the remote controller holder in a place where the signal can be received by the indoor unit.
- When the remote controller is not used, place it in this holder.

Only use the remote controller provided with the unit. Do not use other remote controllers. If two or more indoor units are installed in proximity to one another, an indoor unit that is not intended to be operated may respond to the remote controller.

# PREPARATION BEFORE OPERATION

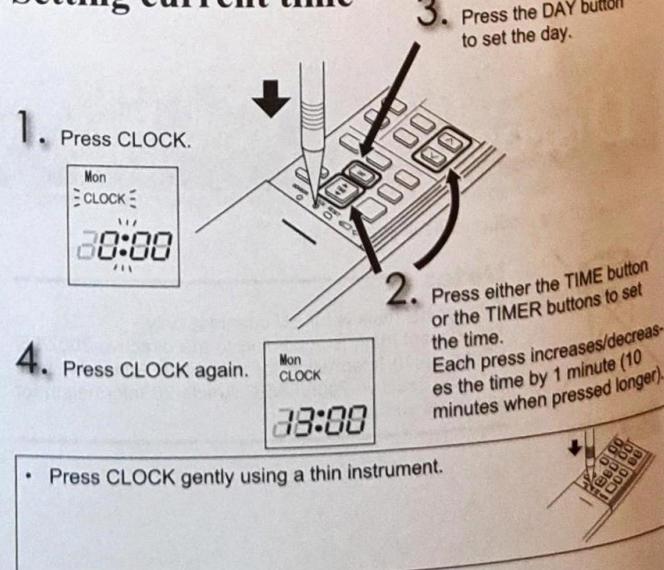
**Before operation:** Insert the power supply plug into the power outlet and/or turn the breaker on.

## Installing the remote controller batteries

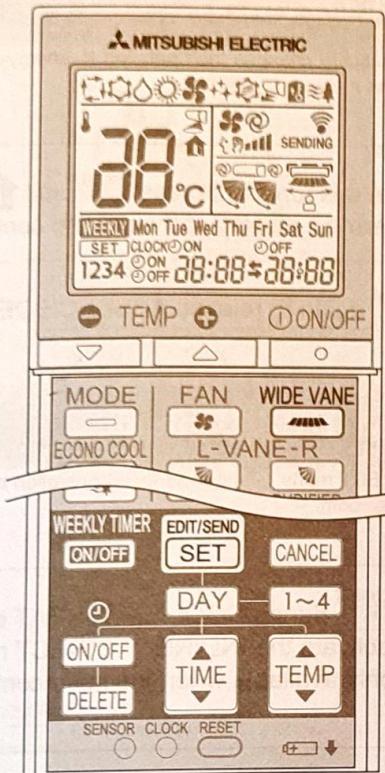


- Make sure the polarity of the batteries is correct.
- Do not use manganese batteries and leaking batteries. The remote controller could malfunction.
- Do not use rechargeable batteries.
- Replace all batteries with new ones of the same type.
- Batteries can be used for approximately 1 year. However, batteries with expired shelf lives last shorter.
- Press RESET gently using a thin instrument. If the RESET button is not pressed, the remote controller may not operate correctly.

## Setting current time



# PREPARATION BEFORE OPERATION

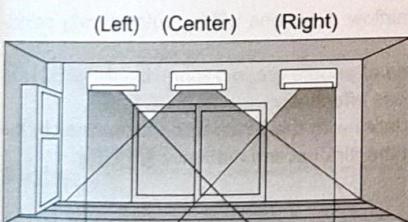


## Setting the installation position

Be sure to set the remote controller in accordance with the installed position of the indoor unit.

### Installation position:

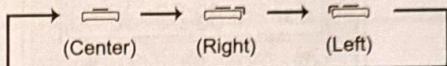
- Left: Distance to objects (wall, cabinet, etc.) is less than 50 cm to the left
- Center: Distance to objects (wall, cabinet, etc.) is more than 50 cm to the left and right
- Right: Distance to objects (wall, cabinet, etc.) is less than 50 cm to the right



Area	Left	Center	Right
Remote controller display			

**1** Hold down on the remote controller for 2 seconds to enter the position setting mode.

**2** Select the target installation position by pressing .  
(Each press of the displays the positions in order:)



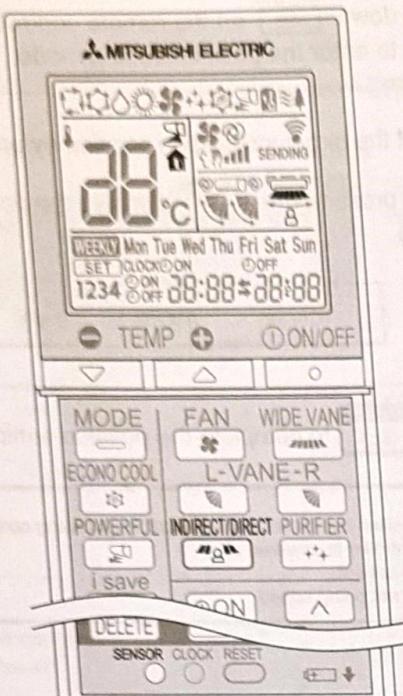
**3** Press to complete the position setting.

### Note:

The installation position can be set only when all the following conditions are met:

- The remote controller is powered off.
- Weekly timer is not set.
- Weekly timer is not being edited.

# I-SEE OPERATION

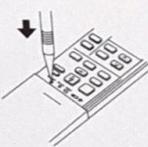


## i-see control mode

In the i-see control mode, the room temperature is controlled based on the sensible temperature.

- 1 Press **SENSOR** during COOL, DRY, HEAT and AUTO mode to activate the i-see control mode.

- Press gently using a thin instrument.
- lights. (Operation display section)
- The default setting is "active".



- 2 Press **SENSOR** again to activate ABSENCE DETECTION.

- lights. (Operation display section)

- 3 Press **SENSOR** again to release the i-see control mode.

## ABSENCE DETECTION

This function automatically changes the operation to energy-saving operation when nobody is in the room.

- 1 To activate this function, press **SENSOR** until appears on the operation display of the remote controller.

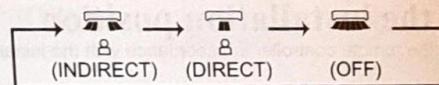
- 2 Press **SENSOR** again to release ABSENCE DETECTION.

## INDIRECT/DIRECT mode

The INDIRECT/DIRECT mode offers finely-tuned operation by locating where an occupant is in the room.

- 1 Press **INDIRECT/DIRECT** during COOL, DRY, HEAT or AUTO mode to activate the INDIRECT/DIRECT mode. This mode is only available when the i-see control mode is effective.

- 2 Each press of **INDIRECT/DIRECT** changes INDIRECT/DIRECT in the following order:



- (INDIRECT): An occupant will be less exposed to direct airflow.
- (DIRECT) : Mainly the vicinity of an occupant will be air-conditioned.

- Horizontal and vertical airflow directions will be automatically selected.
- When more than a couple of people are in a room, the INDIRECT/DIRECT mode may work less effectively.
- If you still feel uncomfortable with the air direction determined by the INDIRECT mode, adjust the air direction manually. [Page 7](#)

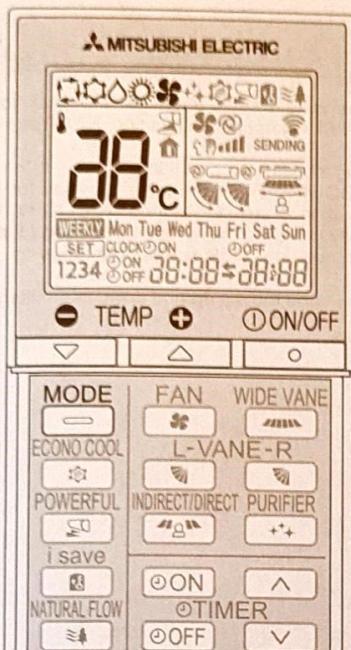
- 3 Canceling the i-see control mode automatically cancels the INDIRECT/DIRECT mode.

- The INDIRECT/DIRECT mode is also cancelled when the VANE or WIDE VANE buttons are pressed.

### Note:

- Do not touch the i-see sensor. This may cause malfunction of the i-see sensor.
- The intermittent operating sound is a normal sound produced when the i-see sensor is moving from side to side.

# SELECTING OPERATION MODES



**1** Press to start the operation.

**2** Press to select operation mode. Each press changes mode in the following order:

→ → → → →

(AUTO) (COOL) (DRY) (HEAT) (FAN)

**3** Press or to set the temperature.  
Each press raises or lowers the temperature by 1°C.

Press to stop the operation.

## Note:

### Multi system operation

Two or more indoor units can be operated by one outdoor unit. When several indoor units are operated simultaneously, cooling/dry/fan and heating operations cannot be done at the same time. When COOL/DRY/FAN is selected with one unit and HEAT with another or vice versa, the unit selected last goes into standby mode.

## Operation indicator lamp

The operation indicator lamp shows the operation state of the unit.

Indication	Operation state
	Standby mode (only during multi system operation)

Lighted    Blinking

## AUTO mode (Auto change over)

The unit selects the operation mode according to the difference between the room temperature and the set temperature. During AUTO mode, the unit changes mode (COOL→HEAT) when the room temperature is 2°C away from the set temperature for more than 15 minutes.

### Note:

Auto Mode is not recommended if this indoor unit is connected to a MXZ type outdoor unit. When several indoor units are operated simultaneously, the unit may not be able to switch operation mode between COOL and HEAT. In this case, the indoor unit becomes standby mode (Refer to table of Operation indicator lamp).

## COOL mode

Enjoy cool air at your desired temperature.

### Note:

Do not operate COOL mode at very low outside temperatures (less than -10°C). Water condensed in the unit may drip and wet or damage furniture, etc.

## DRY mode

Dehumidify your room. The room may be cooled slightly.  
Temperature cannot be set during DRY mode.

## HEAT mode

Enjoy warm air at your desired temperature.

## FAN mode

Circulate the air in your room.

### Note:

After COOL/DRY mode operation, it is recommended to operate in the FAN mode to dry inside the indoor unit.

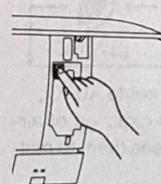
## Emergency operation

### When the remote controller cannot be used...

Emergency operation can be activated by pressing the emergency operation switch (E.O.SW) on the indoor unit.

Each time the E.O.SW is pressed, the operation changes in the following order:

#### Operation indicator lamp



- ↓ ○ Emergency COOL
- ↓ ○ Emergency HEAT
- ↓ ○ Stop

Set temperature : 24°C  
Fan speed : Medium  
Horizontal vane : Auto

### Note:

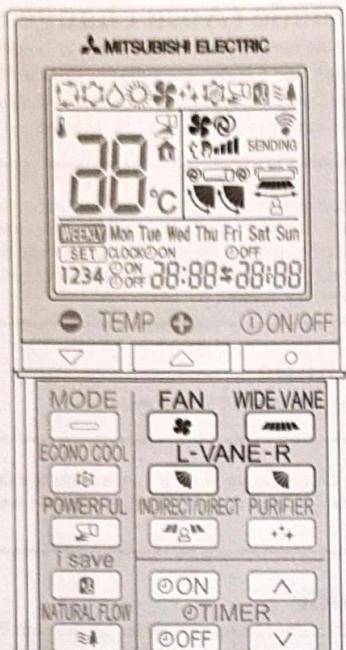
- The first 30 minutes of operation is test run. Temperature control does not work, and fan speed is set to High.
- In the emergency heating operation, the fan speed gradually rises to blow out warm air.
- In the emergency cooling operation, the horizontal vanes' position will be reset in about a minute, then the operation will start.

## Auto restart function

If a power failure occurs or the main power is turned off during operation, "Auto restart function" automatically starts operation in the same mode as the one set with the remote controller just before the shutdown of the main power. When timer is set, timer setting is cancelled and the unit starts operation when power is resumed.

If you do not want to use this function, please consult the service representative because the setting of the unit needs to be changed.

# FAN SPEED AND AIRFLOW DIRECTION ADJUSTMENT



**FAN**  
Press to select fan speed. Each press changes fan speed in the following order:

→ → → → → →   
(AUTO) (Silent) (Low) (Med.) (High) (Super High)

- Two short beeps are heard from the indoor unit when set to AUTO.
- Use higher fan speed to cool/heat the room quicker. It is recommended to lower the fan speed once the room is cool/warm.
- Use lower fan speed for quiet operation.

## Note:

### Multi system operation

When several indoor units are operated simultaneously by one outdoor unit for heating operation, the temperature of the airflow may be low. In this case, it is recommended to set the fan speed to AUTO.

**L-VANE-R**  
Press to select airflow direction. Each press changes airflow direction in the following order:

→ → → → → → →   
(AUTO) (1) (2) (3) (4) (5) (SWING)

- Two short beeps are heard from the indoor unit when set to AUTO.
- Always use the remote controller when changing the direction of airflow. Moving the horizontal vanes with your hands causes them to malfunction.
- When the breaker is turned on, the horizontal vanes' position will be reset in about a minute, then the operation will start. The same is true in the emergency cooling operation.
- When the horizontal vanes seem to be in an abnormal position, see page 12.
- The right and left horizontal vanes set to the same level may not align perfectly.

**WIDE VANE**  
Press to select horizontal airflow direction. Each press changes airflow direction in the following order:

→ → → → → → →   
(SWING)

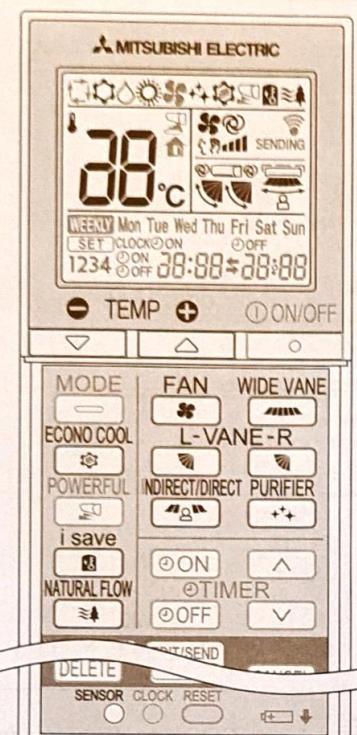
## Airflow direction

(AUTO).....The vane is set to the most efficient airflow direction. COOL/DRY/FAN:horizontal position, HEAT:position (4).

(Manual).....For efficient air conditioning, select the upper position for COOL/DRY, and the lower position for HEAT. If the lower position is selected during COOL/DRY, the vane automatically moves to the horizontal position (3) after 0.5 to 1 hour to prevent any condensation from dripping.

(Swing).....The vane moves up and down intermittently.

## I-SAVE OPERATION



**1** Press during COOL, ECONO COOL, or HEAT mode to select i-save mode.

**2** Set the temperature, fan speed, and airflow direction.  
 • The same setting is selected from the next time by simply pressing   
 • Two settings can be saved. (One for COOL/ECONO COOL, one for HEAT)  
 • Select the appropriate temperature, fan speed, and airflow direction according to your room.  
 • Normally, the minimum temperature setting in HEAT mode is 16°C. However, during i-save operation only, the minimum temperature setting is 10°C.

Press again to cancel i-save operation.

- i-save operation also is cancelled when the MODE or POWERFUL button is pressed.

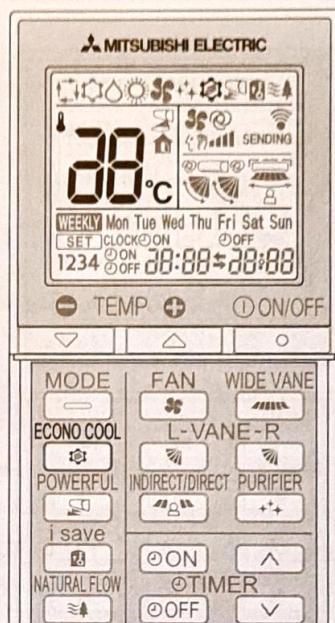
### i-save operation

A simplified set back function enables to recall the preferred (preset) setting with a single push of the button. Press the button again and you can go back to the previous setting in an instance.

#### Example of use:

1. Low energy mode  
Set the temperature 2°C to 3°C warmer in COOL and cooler in HEAT mode. This setting is suitable for unoccupied room, and while you are sleeping.
2. Saving frequently used settings  
Save your preferred setting for COOL/ECONO COOL and HEAT. This enables you to select your preferred setting with a single push of the button.

## ECONO COOL OPERATION



**ECONO COOL**  
Press during COOL mode [page 6] to start ECONO COOL operation.

The unit performs swing operation vertically in various cycles according to the temperature airflow.

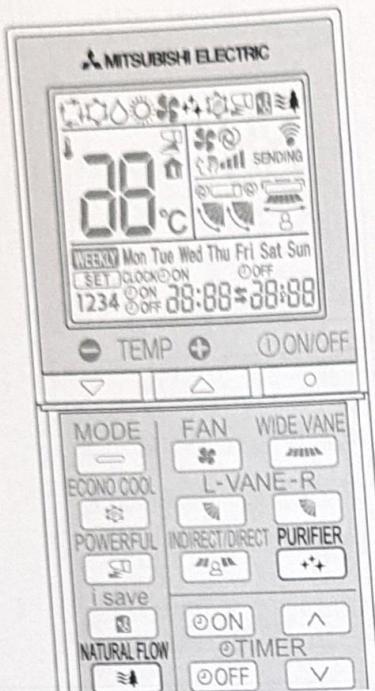
**ECONO COOL**  
Press again to cancel ECONO COOL operation.

- ECONO COOL operation is also cancelled when the VANE, POWERFUL, or NATURAL FLOW button is pressed.

### What is "ECONO COOL"?

Swing airflow (change of airflow) makes you feel cooler than stationary airflow. So, even though the set temperature is automatically set at 2°C higher, it is possible to perform cooling operation with keeping comfort. As a result, energy can be saved.

## NATURAL FLOW OPERATION



Press **NATURAL FLOW** during COOL or FAN mode [page 6] to start NATURAL FLOW operation.

Press **NATURAL FLOW** again to cancel NATURAL FLOW operation.

- NATURAL FLOW operation is also canceled when the POWERFUL or ECONO COOL button is pressed.

### What is "NATURAL FLOW"?

Airflow that imitates a natural breeze is produced in this mode. The discomfort of being hit directly by constant, unnatural airflow will be reduced.

#### Note:

As the fan speed changes constantly during NATURAL FLOW operation, the sound of air flow, wind velocity and air flow temperature also change. This is not a malfunction.

## AIR PURIFYING OPERATION

Press **PURIFIER** **++** to start AIR PURIFYING operation.  
• AIR PURIFYING lamp turns on. (Display section)

Press **PURIFIER** **++** again to cancel AIR PURIFYING operation.  
• AIR PURIFYING lamp turns off. (Display section)

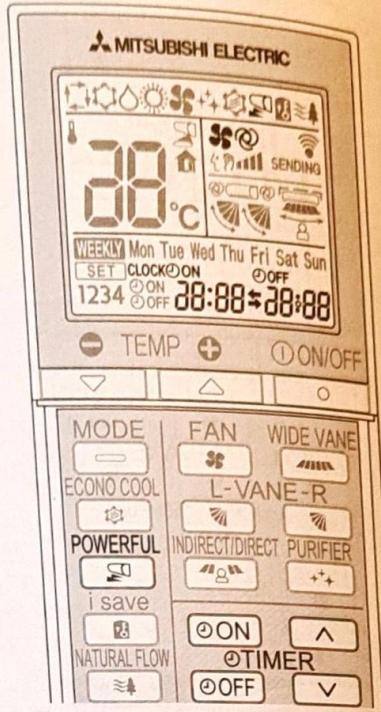
### What is "AIR PURIFYING operation"?

In the AIR PURIFYING operation, the indoor unit built-in device reduces airborne fungi, viruses, mold, and allergens.

#### Note:

- Never touch the air purifying device during operation. Although the air purifying device is safety-conscious design, touching this device could be the cause of trouble as this device discharge high voltage electricity.
- A "hissing" sound may be heard during the air purifying operation. This sound is produced when plasma is being discharged. This is not a malfunction.
- Air purifying lamp does not turn on if the front panel is not closed completely.

## POWERFUL OPERATION



Press **POWERFUL** during COOL or HEAT mode [page 6] to start POWERFUL operation.

Fan speed : Exclusive speed for POWERFUL mode  
Horizontal vane : Set position, or downward airflow position during AUTO setting

- Temperature cannot be set during POWERFUL operation.

Press **POWERFUL** again to cancel POWERFUL operation.

- POWERFUL operation is also cancelled automatically in 15 minutes, or when the ON/OFF, FAN, ECONO COOL, NATURAL FLOW, or i-save button is pressed.

## TIMER OPERATION (ON/OFF TIMER)

**1** Press **ON** or **OFF** during operation to set the timer.

**ON** (ON timer) : The unit turns ON at the set time.

**OFF** (OFF timer) : The unit turns OFF at the set time.

\* **ON** or **OFF** blinks.

\* Make sure that the current time and day are set correctly. [page 6]

**2** Press **▲** (Increase) and **▼** (Decrease) to set time of timer.

Each press increases or decreases the set time by 10 minutes.

- Set the timer while **ON** or **OFF** is blinking.

**3** Press **ON** or **OFF** again to cancel timer.

#### Note:

- ON and OFF timers can be set together. **!** mark indicates the order of operations.
- If power failure occurs while ON/OFF timer is set, see [page 6] "Auto function".

# WEEKLY TIMER OPERATION

- A maximum of 4 ON or OFF timers can be set for individual days of the week.
- A maximum of 28 ON or OFF timers can be set for a week.

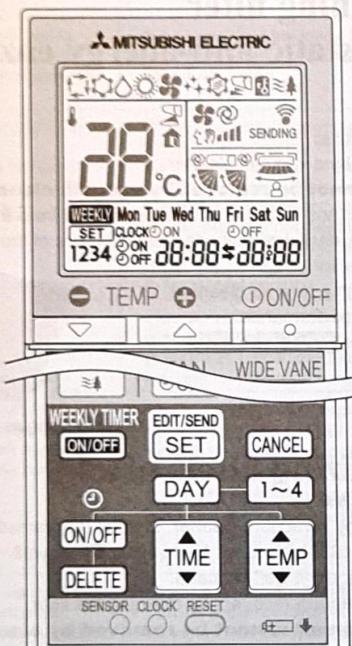
**E.g.:** Runs at 24°C from waking up to leaving home, and runs at 27°C from getting home to going to bed on weekdays.

Runs at 27°C from waking up late to going bed early on weekends.

	Setting1	Setting2	Setting3	Setting4
Mon	ON 24°C	OFF	ON 27°C	OFF
Fri	6:00	8:30	17:30	22:00
Sat	ON 27°C	OFF	Setting2	
Sun	8:00		21:00	

## Note:

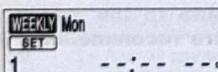
The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.



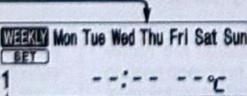
## Setting the weekly timer

\* Make sure that the current time and day are set correctly.

**1** Press **EDIT/SEND SET** to enter the weekly timer setting mode.



**2** Press **DAY** and **1~4** to select setting day and number.



**E.g.:** [Mon Tue ... Sun] and [1] are selected.

Pressing **DAY** selects the day of the week to be set.

→ Mon → Tue → Wed → Thu → Fri → Sat → Sun  
Mon Tue Wed Thu Fri Sat Sun ←

\* All days can be selected.

Pressing **1~4** selects the setting number.

→ 1 + 2 + 3 + 4

**3** Press **ON/OFF**, **TIME**, and **TEMP** to set ON/OFF, time, and temperature.



**E.g.:** [ON], [6:00] and [24°C] are selected.

Pressing **ON/OFF** selects ON/OFF timer.  
→ ON → OFF

Pressing **DELETE** deletes timer setting.

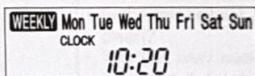
Pressing **TIME** adjusts the time.

Pressing **TEMP** adjusts the temperature.

\* Hold down the button to change the time quickly.

Press **DAY** and **1~4** to continue setting the timer for other days and/or numbers.

**4** Press **EDIT/SEND SET** to complete and transmit the weekly timer setting.



\* **SET** which was blinking goes out, and the current time will be displayed.

## Note:

- Press **SET** to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, **SET** does not have to be pressed per each setting. Press **SET** once after all the settings are complete. All the weekly timer settings will be saved.
- Press **SET** to enter the weekly timer setting mode, and press and hold **DELETE** for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

**5** Press **WEEKLY TIMER ON/OFF** to turn the weekly timer ON. (**WEEKLY** lights.)

\* When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press **WEEKLY TIMER ON/OFF** again to turn the weekly timer OFF. (**WEEKLY** goes out.)

## Note:

The saved settings will not be cleared when the weekly timer is turned OFF.

## Checking weekly timer setting

**1** Press **EDIT/SEND SET** to enter the weekly timer setting mode.  
\* **SET** blinks.

**2** Press **DAY** or **1~4** to view the setting of the particular day or number.

Press **CANCEL** to exit the weekly timer setting.

## Note:

When all days of the week are selected to view the settings and a different setting is included among them, **--:-- --°C** will be displayed.