MITSUBISHI ELECTRIC

MITSUBISHI Package Air Conditioner

Remote Controller PAR-21MAAT-E (PKH-P • GALH/FALH Series PKA-RP • GAL/FAL Series)

Installation Manual

This installation manual describes how to install the remote controller for the MITSUBISHI package air conditioner A controller. Read this manual thoroughly to ensure correct installation.

1 Safety Precautions

- Be sure to read these Safety Precautions thoroughly and install the remote controller correctly.
- The following two symbols are used to denote dangers that may be caused by incorrect use. They are classified according to the degree of the danger.

⚠WARNING	This symbol denotes what could lead to serious injury or death if you misuse the PAR-21MAAT-E
⚠CAUTION	This symbol denotes what could lead to personal injury or damage to your property if you misuse the PAR-21MAAT-E

- After reading this manual, keep it in a place where the final user can see it anytime he or she wants to. When someone moves, repairs or uses the PAR-21MAAT-E, make sure this manual is forwarded to the final user.

⚠WARNING

Ask your dealer or technical representative to install the unit.
Any deficiency caused by your own installation may result in an electric shock or fire.

Install in a place which is strong enough to withstand the weight of the PAR-21MAAT-E.
Any lack of strength may cause the PAR-21MAAT-E to fall down, resulting in personal injury.

Never modify or repair the PAR-21MAAT-E by yourself.
Any deficiency caused by your modification or repair may result in an electric shock or fire. Consult your dealer about repairs.

Do not move and re-install the PAR-21MAAT-E yourself.
Any deficiency caused by your own installation may result in an electric shock or fire. Ask your dealer or technical representative for moving and installation.

Ensure that installation work is done correctly by following this installation manual.
Any deficiency caused by installation may result in an electric shock or fire.

All electric work must be performed by a licensed technician, according to local regulations and instructions given in this manual.
Any lack of power supply circuit capacity or any deficiency caused by installation may result in an electric shock or fire.

Firmly connect the wiring using the specified remote controller cables. Carefully check that the cables do not exert any force on the terminals.
Improper wiring connections may produce heat and possibly a fire.

⚠CAUTION

Completely seal the wire lead-in port with putty etc.
Any dew, moisture, cockroaches, insects entering the unit may cause an electric shock or a malfunction.

Do not install in any place exposed to flammable gas leakage.
Flammable gases accumulated around the body of PAR-21MAAT-E may cause fire or an explosion.

Do not use in any special environment.
Using in any places exposed to oil (including machine oil), steam and sulfuric gas may cause significant deterioration of performance or damage to the component parts.

Do not install in a steamy atmosphere such as a bathroom or kitchen.
Avoid any places where moisture is condensed into dew. Doing so may cause an electric shock or malfunction.

Do not install in places where acidic or alkaline liquid or special sprays etc. are frequently used.
Doing so may cause an electric shock or malfunction.

Provide sufficient provision against noise when installing in places such as hospitals or communication offices.
Inverters, private power generators, high frequency medical equipment or radio communication equipment may cause errors or malfunction of the machine. Likewise, the machine can affect medical or radio communication equipment disturbing medical treatment or causing disorders or noise to visual broadcasts.

Wire so that it does not receive any tension.
Tension may cause wire breakage, heating or fire.

Do not wash with water.
Doing so may cause an electric shock or malfunction.

Do not install in any place with a temperature of more than 40°C or less than 0°C or expose to direct sunlight.
Doing so may deform the machine or cause malfunction.

Do not touch any part of the PCB (Printed Circuit Board) with your hands or with tools. Do not allow dust to collect on the PCB.
Doing so may cause fire or malfunction.

Do not touch any of the control buttons with wet hands.
Doing so may cause an electric shock or malfunction.

Do not press any of the control buttons with a sharp object.
Doing so may cause an electric shock or malfunction.

Never input the power supply voltage to the remote control terminals.
Doing so may cause damage, heating or fire.

Use standard wires in compliance with the current capacity.
A failure to this may result in an electric leakage, heating or fire.

Do not remove the insulation sheet on the PCB.
Doing so may cause an electric shock.

2 Confirming the Supplied Parts

Check that the box includes the following parts in addition to this installation manual.

Parts Name	PAR-21MAAT-E
① Terminal block	1
② Cross-recessed tapping screw	1
③ Lead wire A (ℓ = 340 mm)	1
④ Lead wire B (ℓ = 200 mm)	1
⑤ Remote controller (Upper case/Lower case)	1
⑥ Remote controller cord	1
⑦ Cross-recessed pan-head screw	2
⑧ Wood screw (Use for installing on the wall)	2

3 Installing the terminal block

(1) PKH-P · GALH/PKA-RP · GAL

① Open the front grille and remove the screw (× 1) to remove the terminal block cover.

② Disconnect the connector which is a wireless remote controller relay line. (with pressing the hook)

③ Remove the screw cap and screw (× 3).

④ Place the Auto vane as illustrated and remove the bottom of the front panel first.

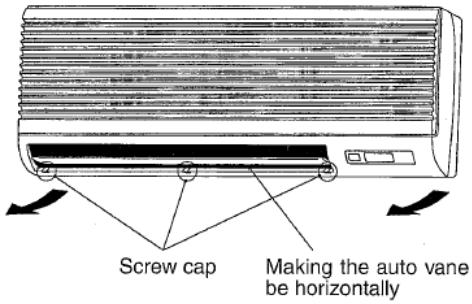
⑤ Remove the screw (× 1) to remove the p.c. board cover.

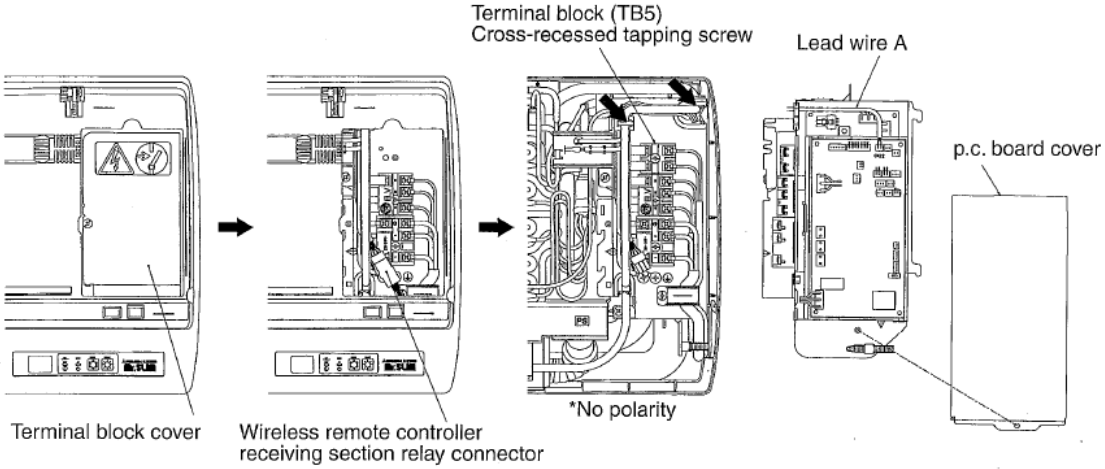
⑥ Secure the terminal block (TB5) to the electrical box with cross-recessed tapping screws.

⑦ Connect the lead wire A to the terminal block (TB5) and the connector (CN22) in the indoor p.c. board. (Lead wire should be run though the clamp pointed by the arrow.)

⑧ Connect the transmission lines of the wired remote controller and 2 or group remote controller to the bottom of the terminal block (TB5) (screw terminal).

⑨ Install the panel, terminal block cover, p.c. board or connector as they had formed first.





(2) PKH-P · FALH/PKA-RP · FAL

① Remove the side panel screws (×2) to remove the side panel.

② Remove the side panel and disconnect the remote controller relay connector.

③ Remove the screw (×1) and terminal block (TB5) cover.

④ Remove the screw (×1) and p.c. board cover.

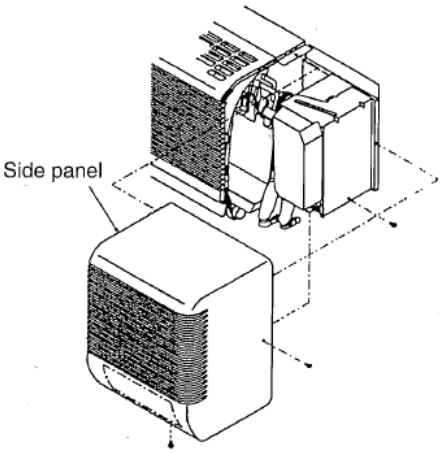
⑤ Remove the screw (×1) and terminal block cover installing piece.

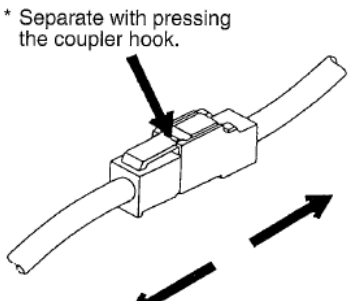
⑥ Secure the terminal block (TB5) to the electrical box with cross-recessed tapping screw.

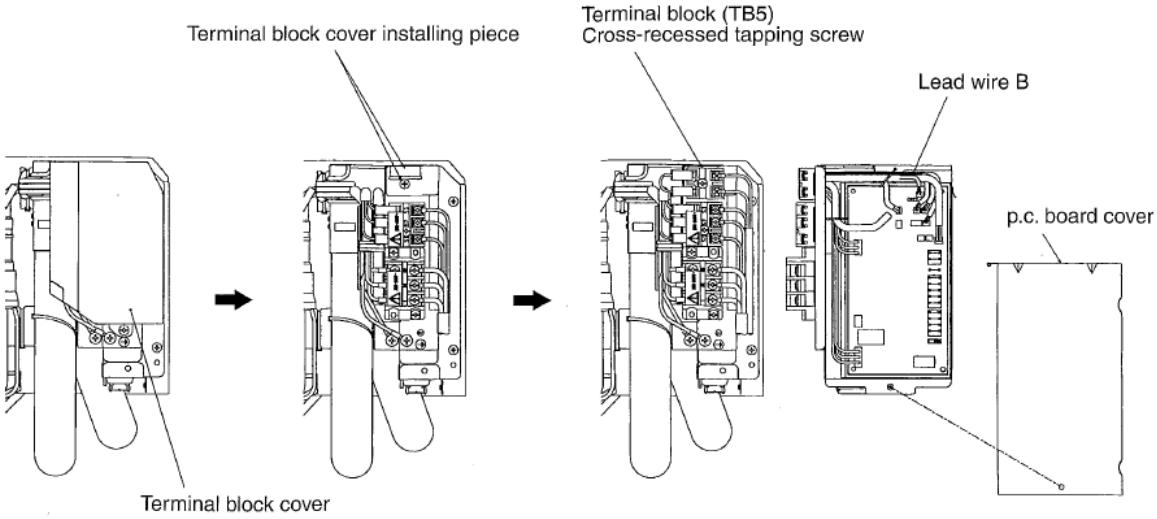
⑦ Connect the lead wire B to the terminal block (TB5) and connector (CN22) in the indoor p.c. board.

⑧ Connect the transmission lines of the wired remote controller and 2 or group remote controller to the bottom of the terminal block (TB5) (screw terminal block).

⑨ Install the panel, terminal block cover, p.c. board cover or connector as they had formed first.







4 Transmission line wiring

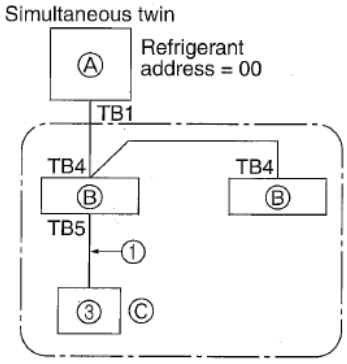
As system configurations differ for remote controller wiring, execute wiring in accordance with the following example.

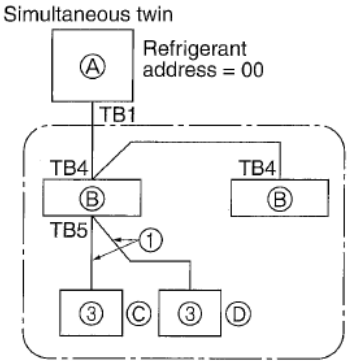
- The numbers ①, ② and ③ in the chart correspond to items ①, ② and ③ below.

(1) When remote controllers are connected to each refrigerant system

(Standard 1:1, simultaneous twin, and simultaneous triple)

[Example]





Ⓐ Outdoor unit
Ⓑ Indoor unit
Ⓒ Main remote controller
Ⓓ Subordinate remote controller

(2) Other refrigerant system groupings

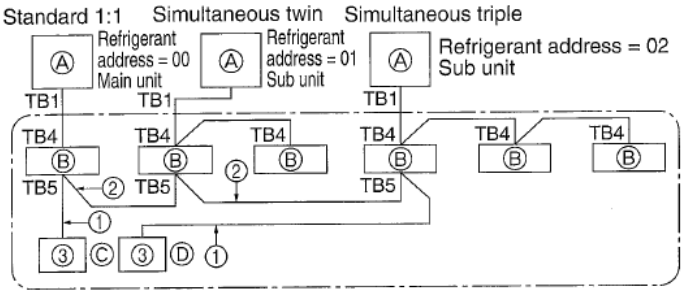
- Set the refrigerant address using the DIP switch of the outdoor unit. (See the technical manual for details.)
- In this case, all the indoor units enclosed in the broken-line ⬚ can be controlled as one group.

① Wiring from the Remote Control

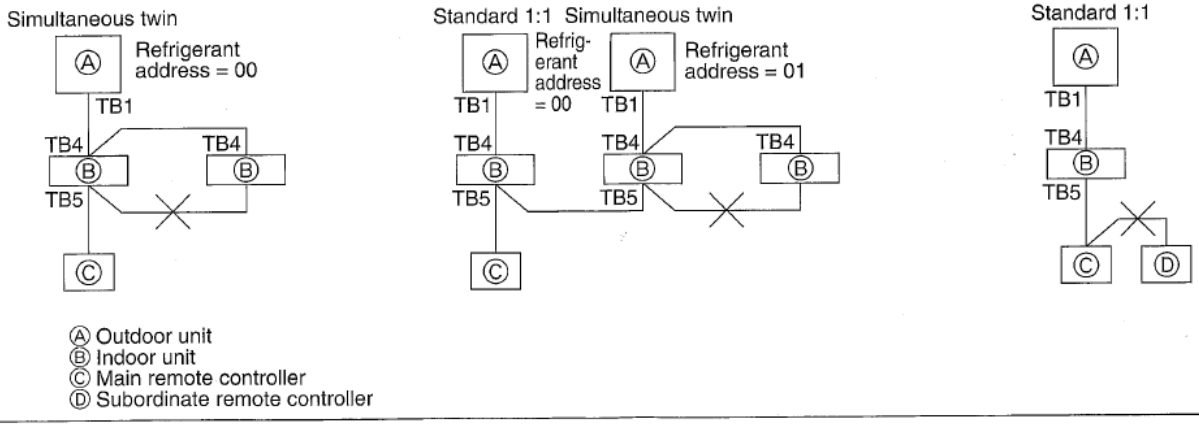
- This wire is connected to TB5 (terminal block for remote controller) of the indoor unit (non-polar).
- If different types of indoor units are mixed together in the simultaneous multiple group, surely connect the remote controller to the indoor unit with the most functions (fan speed, vane, louver, etc.).

② When a Different Refrigerant System Grouping is Used.

- Group the system using the remote controller wiring. Execute crossover wiring of the remote controller wire to any single indoor unit of the refrigerant system to be grouped.
- If different types of indoor units are mixed together in the same group, be sure to make the main unit (refrigerant address = 00) the indoor unit with the most functions (fan speed, vane, louver, etc.).
- Also if new type belongs to simultaneous multiple group, be sure to fulfill the above conditions ①.
- Up to 16 refrigerant systems can be controlled as one group using the slim A remote controller.



NOTES:
- Crossover wiring to the indoor unit (TB5) of the same refrigerant system is not allowed. If such crossover wiring is executed, the system will not operate correctly.
- Crossover wiring between remote controllers is not allowed. There is only one terminal block on the remote controller for wiring.



③ Up to two remote controllers can be connected to a single group.

- Be sure to designate the main remote controller and the subordinate remote controller if two remote controllers are used in one group.
- If a group only has a single remote controller, it automatically becomes the main controller. But if a group has two remote controllers, one must be designated as the main remote controller and the other as the subordinate remote controller. (For how to set the main and subordinate switch, see step (2) in 7 Function Settings.)

- Remote controller wiring can be extended up to a maximum of 500 meters. Note, however, that the supplied remote controller cord is 3 meters or less. A 0.3 mm² to 1.25 mm² power cable must be acquired locally if more than 3 meters is needed.

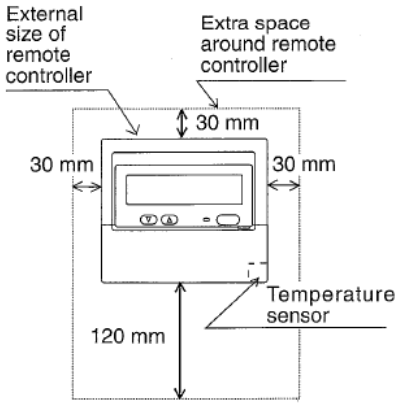
⚠CAUTION Remote controller wiring
- Avoid using multicore cable as malfunctions may occur.
- As much as possible, keep the remote controller wire away from grounding items (steel frames of buildings or metal, etc.).

5 How To Install

(1) Choose a place in which to install the remote controller (switch box). Be sure to observe the following steps:

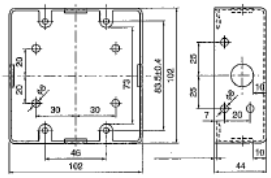
① Temperature sensors are provided with both the remote controller and the indoor units. When using the remote control temperature sensors, the main remote controller detects the room temperature. Install the main remote controller in a place where the average room temperature can be detected and also which is not affected by any heat source from direct sunlight or air blown from air conditioning units.
(For how to set the main/subordinate remote controller, see step (2) in 7 Function Settings and for how to set the temperature sensor, see 7 Function Settings.)

② When installing on either the switch box or the wall, allow extra space around the remote controller as shown in the figure on the right. (When using it in combination with a Program timer, see the installation manual for the Program timer.)



NOTE: Make sure that there is no wiring or wire near the remote controller sensors. If there is, the remote controller cannot detect the exact room temperature.

③ Procure the following Parts locally.
- Switch box for two units
- Thin copper conduit tube
- Lock nuts and bushings

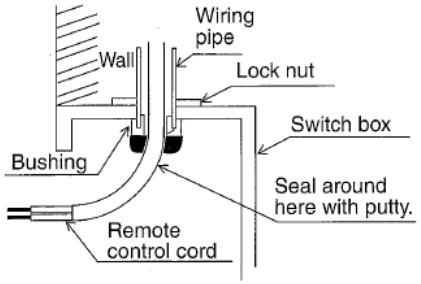


Switch box two units

(2) Seal the remote controller cord lead-in hole with putty in order to prevent the possible entry of dew, water droplets, cockroaches, other insects, etc.

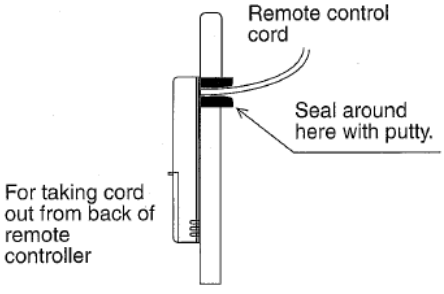
- When installing on the switch box, seal the connections between the switch box and wiring pipe with putty.

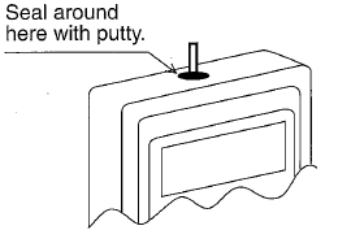
When using the switch box



- When opening a hole using a drill for the remote control cord (or taking the cord out of the back of the remote control), seal that hole with putty.
- When routing the cord via the portion cut off from the upper case, equally seal that portion with putty.

When installing directly on the wall





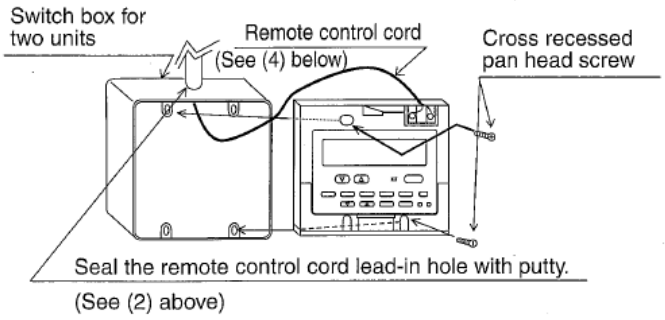
For taking cord out of top of remote controller

(3) Install the lower case on the switch box or directly on the wall.

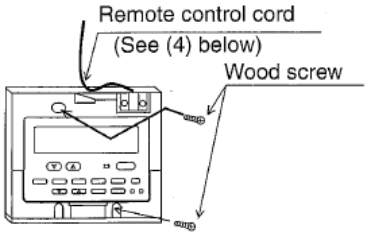
⚠CAUTION Do not tighten the screws too much. Doing so may result in a deformation or crack of the lower case.

NOTES:
- Choose a flat plane for installation.
- Fix the switch box at more than two places when installing directly on the wall.

When using the switch box



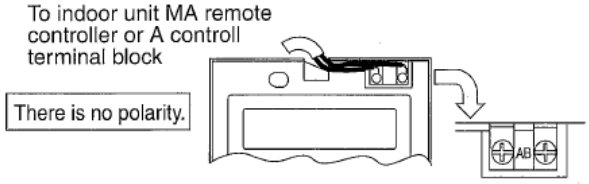
When installing directly on the wall



(4) Connect the remote control cord to the remote controller terminal block.

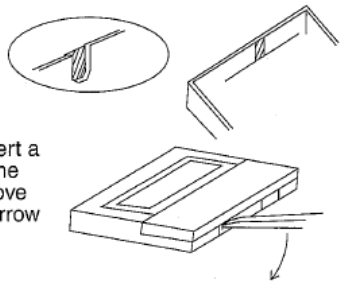
Wire correctly referring to the following figure.

⚠CAUTION Do not use crimp terminals to connect to remote controller terminal blocks. The terminals may contact the board and cause trouble or contact the cover and damage the cover.

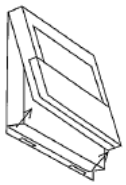


(5) Wiring hole for installing directly on the wall (or open wiring)

- Cut off the shaded area from the upper cover using a knife, nippers, etc.
- Take out the remote control cord connected to the terminal block via this portion.



(6) Install the cover to the remote controller.



To remove the cover, insert a minus screwdriver into one of the open slots, and move it in the direction of the arrow shown in the figure.

First, hook the cover to the two upper claws and then fit it to the remote controller.

⚠CAUTION
- Press the cover until it snaps shut. If not, it may fall off.
- Do not into turn the screwdriver in the slot. Doing so may damage the slot.

NOTE: A protection sheet is stuck to the operation section. Peel off this protection sheet before use.

7) Affix a caution label.

A caution label in English is supplied on the back surface of the control panel door. Affix another caution label in the language of a country where you use the remote control over the English one.

6 Test Run

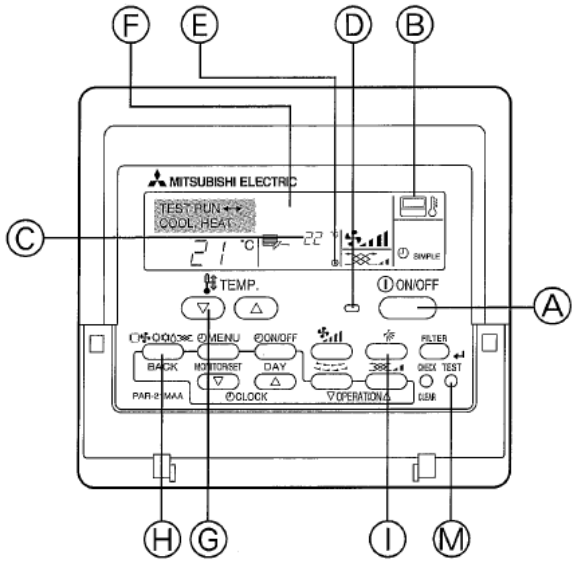
(1) Before test run

- After completing installation and the wiring and piping of the indoor and outdoor units, check for refrigerant leakage, looseness in the power supply or control wiring, wrong polarity, and no disconnection of one phase in the supply.
- Use a 500-volt megohmmeter to check that the resistance between the power supply terminals and ground is at least 1.0 MΩ.
- Do not carry out this test on the control wiring (low voltage circuit) terminals.

⚠WARNING Do not use the air conditioner if the insulation resistance is less than 1.0 MΩ.

(2) Test run

Ⓐ ON/OFF button
Ⓑ Test run display
Ⓒ Indoor temperature liquid line temperature display
Ⓓ ON/OFF lamp
Ⓔ Power display
Ⓕ Error code display
Test run remaining time display
Ⓖ Set temperature button
Ⓗ Mode selection button
Ⓘ Fan speed button
Ⓜ TEST button



① Turn on the power at least 12 hours before the test run.

② Press the [TEST] button twice. ➡ "TEST RUN" liquid crystal display

③ Press the [Mode selection] button. ➡ Make sure that wind is blown out.

④ Press the [Mode selection] button and switch to the cooling (or heating) mode. ➡ Make sure that cold (or warm) wind is blown out.

⑤ Press the [Fan speed] button. ➡ Make sure that the wind speed is switched.

⑥ Check operation of the outdoor unit fan.

⑦ Release test run by pressing the [ON/OFF] button. ➡ Stop

⑧ Register a telephone number.
The telephone number of the repair shop, sales office, etc., to contact if an error occurs can be registered in the remote controller. The telephone number will be displayed when an error occurs. For registration procedures, refer to the operation manual for the indoor unit.

NOTE: It is not possible to run the in FAN, DRY or AUTO mode.

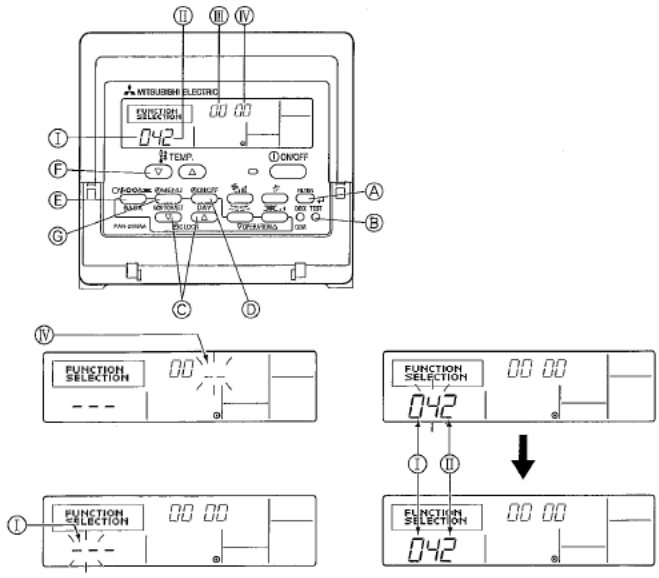
7 Function Settings

(1) Function setting on the unit (Selecting the unit functions)

Changing the power voltage setting

- Be sure to change the power voltage setting depending on the voltage used.

Ⅰ Mode number
Ⅱ Setting number
Ⅲ Refrigerant address
Ⅳ Unit number



① Go to the function setting mode.
Switch OFF the remote controller.
Press the Ⓐ and Ⓑ buttons simultaneously and hold them for at least 2 seconds. FUNCTION will start to flash.

② Use the Ⓒ button to set the refrigerant address (Ⅲ) to 00.

③ Press Ⓓ and [--] will start to flash in the unit number (Ⅳ) display.

④ Use the Ⓒ button to set the unit number (Ⅳ) to 00.

⑤ Press the Ⓔ MODE button to designate the refrigerant address/unit number. [--] will flash in the mode number (Ⅰ) display momentarily.

⑥ Press the Ⓕ buttons to set the mode number (Ⅰ) to 04.

⑦ Press the Ⓖ button and the current set setting number (Ⅱ) will flash.
Use the Ⓕ button to switch the setting number in response to the power supply voltage to be used.
Power supply voltage
240 V : setting number = 1
220 V, 230 V : setting number = 2

⑧ Press the MODE button Ⓔ and mode and the setting number (Ⅰ) and (Ⅱ) will change to being on constantly and the contents of the setting can be confirmed.

⑨ Press the FILTER Ⓐ and TEST RUN Ⓑ buttons simultaneously for at least two seconds. The function selection screen will disappear momentarily and the air conditioner OFF display will appear.

Function table

Select unit number 00

Mode	Settings	Mode no.	Setting no.	Initial setting	setting
Power failure automatic recovery	Not available	01	1	*2	
	Available *1		2	*2	
Indoor temperature detecting	Indoor unit operating average	02	1	○	
	Set by indoor unit's remote controller		2		
	Remote controller's internal sensor		3		
LOSSNAY connectivity	Not Supported	03	1	○	
	Supported (indoor unit is not equipped with outdoor-air intake)		2		
	Supported (indoor unit is equipped with outdoor-air intake)		3		
Power voltage	240 V	04	1		
	220 V, 230 V		2	○	
Auto mode (only for PUHZ)	Energy saving cycle automatically enabled	05	1	○	
	Energy saving cycle automatically disabled		2		

Select unit numbers 01 to 03 or all units (AL [wired remote controller])

Mode	Settings	Mode no.	Setting no.	Initial setting	setting
Filter sign	100Hr	07	1		
	2500Hr		2	○	
	No filter sign indicator		3		

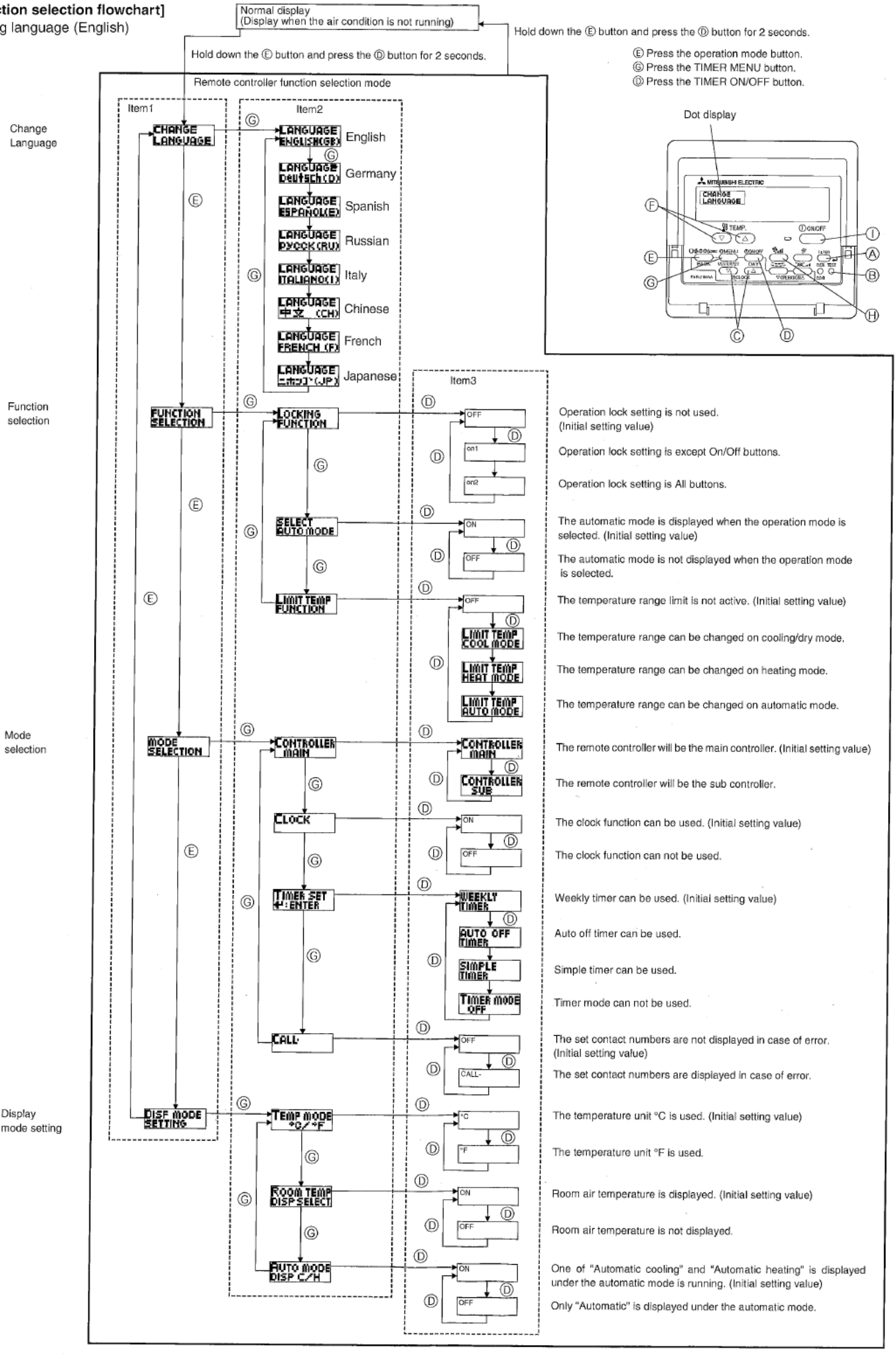
*1 When the power supply returns, the air conditioner will start 3 minutes later.
*2 Power failure automatic recovery initial setting depends on the connecting outdoor unit.

(2) Function selection of remote controller

The setting of the following remote controller functions can be changed using the remote controller function selection mode. Change the setting when needed.

Item 1	Item 2	Item 3 (Setting content)
1. Change Language ("CHANGE LANGUAGE")	Language setting to display	• Display in multiple languages is possible
2. Function limit ("FUNCTION SELECTION")	(1) Operation function limit setting (operation lock) ("LOCKING FUNCTION")	• Setting the range of operation limit (operation lock)
	(2) Use of automatic mode setting ("SELECT AUTO MODE")	• Setting the use or non-use of "automatic" operation mode
	(3) Temperature range limit setting ("LIMIT TEMP FUNCTION")	• Setting the temperature adjustable range (maximum, minimum)
3. Mode selection ("MODE SELECTION")	(1) Remote controller main/sub setting ("CONTROLLER MAIN/SUB")	• Selecting main or sub remote controller *When two remote controllers are connected to one group, one controller must be set to sub.
	(2) Use of clock setting ("CLOCK")	• Setting the use or non-use of clock function
	(3) Timer function setting ("WEEKLY TIMER")	• Setting the timer type
	(4) Contact number setting for error situation ("CALL.")	• Contact number display in case of error • Setting the telephone number
4. Display change ("DISP MODE SETTING")	(1) Temperature display °C/°F setting ("TEMP MODE °C/°F")	• Setting the temperature unit (°C or °F) to display
	(2) Suction air temperature display setting ("ROOM TEMP DISP SELECT")	• Setting the use or non-use of the display of indoor (suction) air temperature
	(3) Automatic cooling/heating display setting ("AUTO MODE DISP C/H")	• Setting the use or non-use of the display of "Cooling" or "Heating" display during operation with automatic mode

[Function selection flowchart]
Setting language (English)



[Detailed setting]

[4]–1. CHANGE LANGUAGE setting

The language that appears on the dot display can be selected.

- Press the [◴MENU] button Ⓖ to change the language.
  ① English (GB), ② German (D), ③ Spanish (E), ④ Russian (RU), ⑤ Italian (I), ⑥ Chinese (CH),
  ⑦ French (F), ⑧ Japanese (JP)

Refer to the dot display table.

[4]–2. Function limit

(1) Operation function limit setting (operation lock)

- To switch the setting, press the [◴ON/OFF] button Ⓓ.
  ① no1 : Operation lock setting is made on all buttons other than the [⏻ON/OFF] button.
  ② no2 : Operation lock setting is made on all buttons.
  ③ OFF (Initial setting value): Operation lock setting is not made.

* To make the operation lock setting valid on the normal screen, it is necessary to press buttons (Press and hold down the [FILTER] and [⏻ON/OFF] buttons at the same time for two seconds.) on the normal screen after the above setting is made.

(2) Use of automatic mode setting

When the remote controller is connected to the unit that has automatic operation mode, the following settings can be made.

- To switch the setting, press the [◴ON/OFF] button Ⓓ.
  ① ON (Initial setting value):
  The automatic mode is displayed when the operation mode is selected.
  ② OFF:
  The automatic mode is not displayed when the operation mode is selected.

(3) Temperature range limit setting

After this setting is made, the temperature can be changed within the set range.

- To switch the setting, press the [◴ON/OFF] button Ⓓ.
  ① LIMIT TEMP COOL MODE:
  The temperature range can be changed on cooling/dry mode.

② LIMIT TEMP HEAT MODE:
The temperature range can be changed on heating mode.
③ LIMIT TEMP AUTO MODE:
The temperature range can be changed on automatic mode.
④ OFF (initial setting): The temperature range limit is not active.

* When the setting, other than OFF, is made, the temperature range limit setting on cooling, heating and automatic mode is made at the same time. However, the range cannot be limited when the set temperature range has not changed.

- To increase or decrease the temperature, press the [TEMP. (▽) or (△)] button Ⓕ.
- To switch the upper limit setting and the lower limit setting, press the [] button Ⓗ. The selected setting will flash and the temperature can be set.
- Settable range

Cooling/Dry mode:
Lower limit:19°C ~ 30°C Upper limit:30°C ~ 19°C
Heating mode:
Lower limit:17°C ~ 28°C Upper limit:28°C ~ 17°C
Automatic mode:
Lower limit:19°C ~ 28°C Upper limit:28°C ~ 19°C

[4]–3. Mode selection setting

(1) Remote controller main/sub setting

- To switch the setting, press the [ON/OFF] button Ⓓ.

① Main : The controller will be the main controller.
② Sub : The controller will be the sub controller.

(2) Use of clock setting

- To switch the setting, press the [ON/OFF] button Ⓓ.

① ON : The clock function can be used.
② OFF : The clock function cannot be used.

(3) Timer function setting

- To switch the setting, press the [ON/OFF] button Ⓓ (Choose one of the followings.).

① WEEKLY TIMER (initial setting value):
The weekly timer can be used.
② AUTO OFF TIMER:
The auto off timer can be used.
③ SIMPLE TIMER:
The simple timer can be used.
④ TIMER MODE OFF:
The timer mode cannot be used.

* When the use of clock setting is OFF, the "WEEKLY TIMER" cannot be used.

(4) Contact number setting for error situation

- To switch the setting, press the [ON/OFF] button Ⓓ.

① CALL OFF:
The set contact numbers are not displayed in case of error.
② CALL **** *** ****:
The set contact numbers are displayed in case of error.
CALL_:
The contact number can be set when the display is as shown on the left.

- Setting the contact numbers

To set the contact numbers, follow the following procedures.
Move the flashing cursor to set numbers. Press the [TEMP. (▽) and (△)] button Ⓕ to move the cursor to the right (left). Press the [CLOCK (▽) and (△)] button Ⓒ to set the numbers.

[4]–4. Display change setting

(1) Temperature display °C/°F setting

- To switch the setting, press the [ON/OFF] button Ⓓ.

① °C : The temperature unit °C is used.
② °F : The temperature unit °F is used.

(2) Suction air temperature display setting

- To switch the setting, press the [ON/OFF] button Ⓓ.

① ON : The suction air temperature is displayed.
② OFF : The suction air temperature is not displayed.

(3) Automatic cooling/heating display setting

- To switch the setting, press the [ON/OFF] button Ⓓ.
  - ① ON:
    One of "Automatic cooling" and "Automatic heating" is displayed under the automatic mode is running.
  - ② OFF:
    Only "Automatic" is displayed under the automatic mode.

[Dot display table]

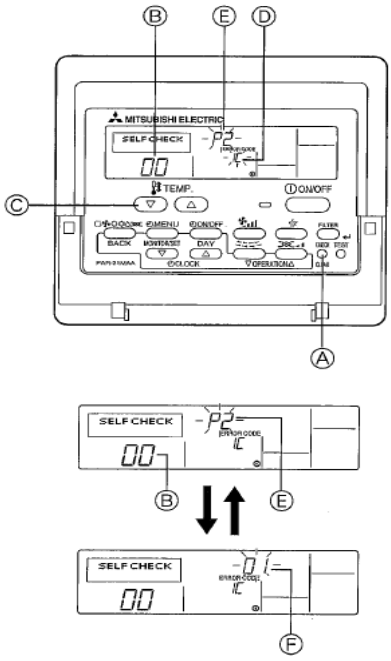
Selecting language		English	Germany	Spanish	Russian	Italy	Chinese	French	Japanese
Waiting for start-up		PLEASE WAIT	←	←	←	←	←	←	←
Operation mode	Cool	COOL	Kühlen	FRÍO	Холод	COOL	制冷	FROID	冷房
	Dry	DRY	Trocknen	DESHUMIDIFICACION	Сушка	DRY	除湿	DESHU	ドライ
	Heat	HEAT	Heizen	CALOR	Тепло	HEAT	制热	CHAUD	暖房
	Auto	AUTO	AUTO	AUTOMÁTICO	Авто	AUTO	自动	AUTO	自動
	Auto(Cool)	COOL	Kühlen	FRÍO	Холод	COOL	制冷	FROID	冷房
	Auto(Heat)	HEAT	Heizen	CALOR	Тепло	HEAT	制热	CHAUD	暖房
	Fan	FAN	Lüfter	VENTILACIÓN	Вент	VENTILAZIONE	送风	VENTILATION	送風
	Ventilation	VENTILATION	Gebläse betrieb	VENTILACIÓN	Вентиляция	ARIA ESTERNA	换气	VENTILATION	換気
	Stand by (Hot adjust)	STAND BY	STAND BY	CALENTANDO	Обогрев: пауза	STAND BY	准备中	PRE CHAUFFAGE	準備中
	Defrost	DEFROST	Abtauen	DESCONGELACIÓN	Оттаивание	SBRINAMENTO	除霜中	DEGIVRAGE	霜取中
Set temperature		SET TEMP	TEMP einstellen	TEMP. CONSIGNA	Целевая температура	IMPOSTAZIONE TEMPERTURA	设定温度	REGLAGE TEMPERATURE	設定温度
Fan speed		FAN SPEED	Lüftergeschwindigkeit	VELOCIDAD VENTILADOR	Скорость вентилятора	VELOCITA' VENTILATORE	风速	VITESSE DE VENTILATION	風速
Not use button		NOT AVAILABLE	Nicht Verfusbar	NO DISPONIBLE	Не доступно	NON DISPONIBILE	无效按钮	NON DISPONIBLE	無効ボタン
Check (Error)		CHECK	Prüfen	COMPROBAR	Проверка	CHECK	检查	CONTROLE	点検
Test run		TEST RUN	Testbetrieb	TEST FUNCIONAMIENTO	Тестовый запуск	TEST RUN	试运转	TEST	試ウンテン
Self check		SELF CHECK	Selbst-diagnose	AUTO REVISIÓN	Самодиагностика	SELF CHECK	自我诊断	AUTO CONTROLE	自己ｼﾝﾀﾞﾝ
Unit function selection		FUNCTION SELECTION	Funktion sauswahl	SELECCIÓN DE FUNCIÓN	Выбор функции	SELEZIONE FUNZIONI	功能选择	SELECTION FONCTIONS	ｷﾉｳ選択
Setting of ventilation		SETTING OF VENTILATION	Lüftestufen wahlen	CONFIG. VENTILACIÓN	Настройка вентустан.	IMPOSTAZIONE ARIA ESTERNA	换气设定	SELECTION VENTILATION	換気設定

Selecting language	English	Germany	Spanish	Russian	Italy	Chinese	French	Japanese
CHANGE LANGUAGE	CHANGE LANGUAGE	←	←	←	←	←	←	←
Function selection	FUNCTION SELECTION	Funktion auswahlen	SELECCIÓN DE FUNCIONES	Выбор функции	SELEZIONE FUNZIONI	功能限制	SELECTION FONCTIONS	ｷﾉｳ制限
Operation function limit setting	LOCKING FUNCTION	Sperr – Funktion	FUNCIÓN BLOQUEADA	Функция блокировки	BLOCCO FUNZIONI	操作限制	BLOCAGE FONCTIONS	操作ﾛｯｸｱｳﾄ
Use of automatic mode setting	SELECT AUTO MODE	Auswahl Auto Betrieb	SELECCIÓN MODO AUTO	Выбор режима АВТО	SELEZIONE MODO AUTO	自动模式	SELECTION DU MODE AUTO	自動ﾓｰﾄﾞｼｮｳ
Temperature range limit setting	LIMIT TEMP FUNCTION	Limit Temp Funktion	LÍMIT TEMP CONSIGNA	Ограничение уст.температ	LIMITAZIONE TEMPERATURA	温度限制	LIMITATION TEMPERATURE	温度制限
Limit temperature cooling/day mode	LIMIT TEMP COOL MODE	Limit Kuhl Temp	LÍMIT TEMP MODO FRIO	Ограничено охлаждение	LIMITAZIONE MODO COOL	制冷范围	LIMITE TEMP MODE FROID	ｵﾝﾘｮｳ冷房
Limit temperature heating mode	LIMIT TEMP HEAT MODE	Limit Heiz Temp	LÍMIT TEMP MODO CALOR	Ограничен обогрев	LIMITAZIONE MODO HEAT	制热范围	LIMITE TEMP MODE CHAUD	ｵﾝﾘｮｳ暖房
Limit temperature auto mode	LIMIT TEMP AUTO MODE	Limit AUTO Temp	LÍMIT TEMP MODO AUTO	Ограничен режим АВТО	LIMITAZIONE MODO AUTO	自动范围	LIMITE TEMP MODE AUTO	ｵﾝﾘｮｳ自動
Mode selection	MODE SELECTION	Betriebsart wahlen	SELECCIÓN DE MODO	Выбор режима	SELEZIONE MODO	基本模式	SELECTION DU MODE	基本ｷﾉｳ
Remote controller setting MAIN	CONTROLLER MAIN	Haupt controller	CONTROL PRINCIPAL	Основной пульт	CONTROLLO MAIN	遥控 主	TELCOMMANDE MAITRE	ﾘﾓｺﾝ 主/従
Remote controller setting SUB	CONTROLLER SUB	Neben controller	CONTROL SECUNDARIO	Дополнительный пульт	CONTROLLO SUB	遥控 辅	TELCOMMANDE ESCLAVE	ﾘﾓｺﾝ 主/従
Use of clock setting	CLOCK	Uhr	RELOJ	Часы	OROLOGIO	时钟	AFFICHAGE HORLOGE	時計ｼｮｳ
Setting the day of the week and time	TIME SET ↵:ENTER	Uhr stellen ↵:einstellen	CONFIG RELOJ ↵:CONFIG	Часы: уст. ↵:ввод	OROLOGIO ↵:ENTER	时间 ↵:ENTER	HORLOGE ↵:ENTRER	ﾄｹｲｾｯﾃｲ ↵:ｶｸﾃｲ
Timer set	TIMER SET ↵:ENTER	Zeitschaltuhr ↵:einstellen	TEMPORIZADOR ↵:CONFIG	Таймер: уст. ↵:ввод	TIMER ↵:ENTER	定时器 ↵:ENTER	PROG HORAIRE ↵:ENTRER	ﾀｲﾏｰｾｯﾃｲ ↵:ｶｸﾃｲ
Timer monitor	TIMER MONITOR	Uhrzeit Anzeige	VISUALIZAR TEMPORIZAD.	Просмотр таймера	VISUALIZ TIMER	定时器状态	AFFICHAGE PROG HORAIRE	ﾀｲﾏｰﾓﾆﾀｰ
Weekly timer	WEEKLY TIMER	Wochenzeit Schalt Uhr	TEMPORIZADOR SEMANAL	Недельный таймер	TIMER SETTIMANALE	每周定时器	PROG HEBDOMADAIRE	ﾀｲﾏｰ週間
Timer mode off	TIMER MODE OFF	Zeitschaltuhr AUS	TEMPORIZADOR APAGADO	Таймер выкл.	TIMER OFF	定时器无效	PROG HORAIRE INACTIF	ﾀｲﾏｰ無効
Auto off timer	AUTO OFF TIMER	Auto Zeit funktion aus	APAGADO AUTOMÁTICO	Автоотключ. по таймеру	AUTO OFF TIMER	解除定时	PROG HORAIRE ARRET AUTO	ﾀｲﾏｰｹｼｳｽﾙﾎﾞｳｼ
Simple timer	SIMPLE TIMER	Einfache Zeitfunktion	TEMPORIZADOR SIMPLE	Простой таймер	TIMER SEMPLIFICATO	简易定时器	PROG HORAIRE SIMPLIFIE	ﾀｲﾏｰｶﾝｲ
Contact number setting of error situation	CALL	←	←	←	←	←	←	←
Display change	DISP MODE SETTING	Anzeige Betriebsart	MOSTRAR MODO	Настройка инд.режима	IMPOSTAZIONE MODO DISPLAY	转换表示	AFFICHAGE SOUS MENU	表示切替
Temperature display °C/°F setting	TEMP MODE °C/°F	Wechsel °C/°F	TEMP&GRADOS °C/°F	Ед.измер. °C/°F	TEMPERATURA °C/°F	温度 °C/°F	TEMPERATURE °C/°F	温度 °C/°F
Room air temperature display setting	ROOM TEMP DISP SELECT	Raum TEMP gewahlt	MOSTRAR TEMP.	Показывать темп.в комн.	TEMPERATURA AMBIENTE	吸入温度	TEMPERATURE AMBIANTE	ｽｲｺﾐｵﾝﾄﾞ ﾋｮｳｼﾞ
Automatic cooling/heating display setting	AUTO MODE DISP C/H	Auto Betrieb C/H	MOSTRAR F/C EN AUTO	Инд. Т/Х в режиме АВТО	AUTO C/H	自动表示	AFFICHAGE AUTO F/C	自動ﾚｲﾀﾞﾝﾋｮｳｼﾞ

8 Check

① Turn on the power.
② Press the [CHECK] button twice.
③ Set refrigerant address with [TEMP] button if system control is used.
④ Press the [ON/OFF] button to stop the self-check.

Ⓐ CHECK button
Ⓑ Refrigerant address
Ⓒ TEMP. button
Ⓓ IC: Indoor unit
OC: Outdoor unit
Ⓔ Check code
Ⓕ Unit address



Errors detected by indoor unit

Wired remote controller Check code	Symptom	Remark
P1	Intake sensor error	
P2, P9	Pipe (Liquid or 2-phase pipe) sensor error	
E6, E7	Indoor/outdoor unit communication error	
P4	Drain sensor error	
P5	Drain pump error	
P6	Freezing/Overheating safeguard operation	
EE	Communication error between indoor and outdoor units	
P8	Pipe temperature error	
E4, E5	Remote controller signal receiving error	
Fb	Indoor unit control system error (memory error, etc.)	
– –	No corresponding	
E0, E3	Remote controller transmission error	
E1, E2	Remote controller control board error	

Errors detected by unit other than indoor unit (outdoor unit, etc.)

Wired remote controller Check code	Symptom	Remark
E9	Indoor/outdoor unit communication error (Transmitting error) (Outdoor unit)	For details, check the LED display of the outdoor controller board.
UP	Compressor overcurrent interruption	
U3, U4	Open/short of outdoor unit thermistors	
UF	Compressor overcurrent interruption (When compressor locked)	
U2	Abnormal high discharging temperature/49C worked/insufficient refrigerant	
U1, Ud	Abnormal high pressure (63H worked)/Overheating safeguard operation	
U5	Abnormal temperature of heat sink	
U8	Outdoor unit fan safeguard stop	
U6	Compressor overcurrent interruption/Abnormal of power module	
U7	Abnormality of super heat due to low discharge temperature	
U9, UH	Abnormality such as overvoltage or voltage shortage and abnormal synchronous signal to main circuit/Current sensor error	
Others	Other errors (Refer to the technical manual for the outdoor unit.)	

- On wired remote controller
  Check code displayed in the LCD.

MITSUBISHI ELECTRIC CORPORATION