



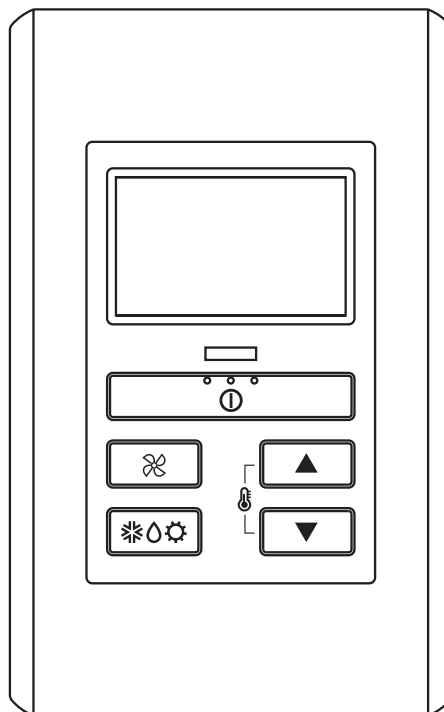
OPERATING MANUAL
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
MANUAL DE FUNCIONAMIENTO
MANUALE DI ISTRUZIONI
ΕΓΧΕΙΡΙΔΙΟ ΛΕΙΤΟΥΡΓΙΑΣ
使用説明書

РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ
MANUAL DE INSTRUÇÕES

OPERATING MANUAL

AIR CONDITIONER REMOTE CONTROLLER (SIMPLE TYPE)

Remote Control Unit
UTB-□P



KEEP THIS OPERATION MANUAL
FOR FUTURE REFERENCE

FUJITSU GENERAL LIMITED

P/N9371069012

English

Deutsch

Français

Español

Italiano

Ελληνικά

中國語

Русский




Português

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SAFETY PRECAUTIONS

- Before using the appliance, read these "PRECAUTIONS" thoroughly and operate in the correct way.
- The instructions in this section all relate to safety; be sure to maintain safe operating conditions.
- "DANGER", "WARNING" and "CAUTION" have the following meanings in these instructions:

 DANGER!	This mark indicates procedures which, if improperly performed, are most likely to result in the death of or serious injury to the user or service personnel.
 WARNING!	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.
 CAUTION!	This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.

DANGER!

- Do not attempt to install this controller by yourself.
- This controller contains no user-serviceable parts. Always consult authorized service personnel for repairs.
- When moving, consult authorized service personnel for disconnection and installation of the controller.
- If a problem (burning smell, etc.) occurs, turn off the electrical breaker immediately to stop operation, and then consult the authorized service personnel.
- In the event of a malfunction (burning smell, etc.), immediately stop operation, turn off the electrical breaker, and consult authorized service personnel.
- If the wiring cord is damaged, contact your service representative for instruction.

CAUTION!

- Do not expose the controller directly to water.
- Do not operate the controller with wet hands.
- Do not touch the switches with sharp objects.
- Always turn off the electrical breaker whenever cleaning the controller, the air conditioner or the air filter.
- Check the condition of the installation stand for damage.
- Ensure that any electronic equipment is at least one metre away from the controller.
- Avoid installing the controller near a fireplace or other heating apparatus.
- When installing the controller, take precautions to prevent access to infants.
- Do not use inflammable gases near the controller.

FEATURES AND FUNCTIONS

AUTOMATIC OPERATION

● COOLING ONLY MODEL

Merely press the START/STOP button, and the unit will begin automatic operation in the Cooling or Dry mode as appropriate, in accordance with the set temperature and the actual temperature of the room.

● HEAT RECOVERY MODEL

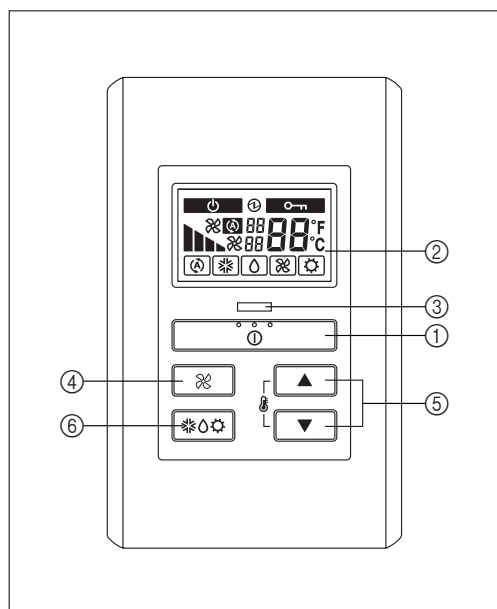
Merely press the START/STOP button, and the unit will begin automatic operation in either the Heating, Cooling or Monitor modes as appropriate, in accordance with the set temperature and the actual temperature of the room.

BACKGROUND LIGHT

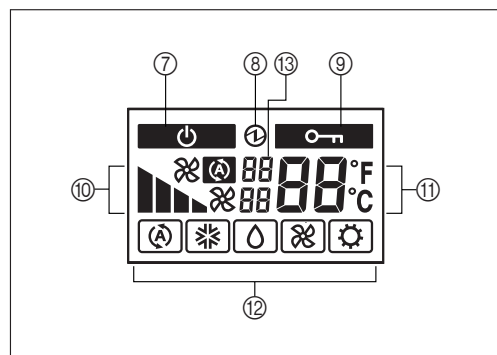
Display panel lights up.

For set up of the background light, consult authorized service personnel.

NAME OF PARTS



Display panel



- ① **START/STOP button**
Pressed to start and stop operation.
- ② **Display background light**
- ③ **Operation lamp**
Lights on during operation.
- ④ **Fan control button**
Selects the fan speed (AUTO, HIGH, MED, LOW).
- ⑤ **Temperature button**
Selects the set temperature.
- ⑥ **Mode button (= Master control)**
Selects the operating mode (AUTO, COOL, DRY, FAN, HEAT).
- ⑦ **Standby display**
Indicates during the oil recovery and defrosting operation.
- ⑧ **Power source display**
Indicates the main power ON.
- ⑨ **Central control display**
Indicates when function is locked from central remote controller or PC controller.
- ⑩ **Fan speed display**
- ⑪ **Set temperature display**
- ⑫ **Master control display**
- ⑬ **(Upper) Indicates the error code.**
(Lower) Indicates the remote controller address.


* "EE" will only be displayed if an error has occurred, it will not be displayed during normal operation.

Refer to page 6 "ERRORS AND SELF DIAGNOSIS" for details.

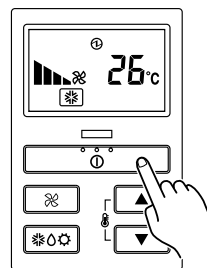
OPERATION

Instructions relating to heating (*) are applicable only to "HEAT & COOL MODEL" (Reverse Cycle).

To Start Operation

Press  button.

The unit will start and the remote controller's operation lamp (green) will light up.

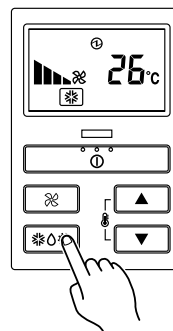


To Select Operation Mode

Press  button to select the desired mode.



AUTO and FAN cannot be used on "HEAT & COOL MODEL" with no setting for AUTO CHANGEOVER.



Example: When set to COOL

To Set the Room Temperature

Press  button to the desired temperature.

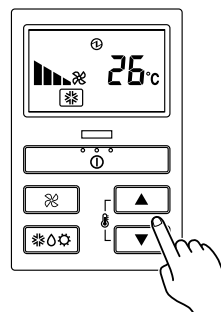
- ▲ : Press to raise the temperature setting.
- ▼ : Press to lower the temperature setting.

● Temperature setting range:

AUTO	18 to 30 °C
* Heating	16 to 30 °C
Cooling/Dry	18 to 30 °C

The set temperature cannot be set during the FAN mode.
(The temperature will not appear on the remote controller's display.)

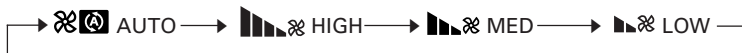
The temperature setting should be considered a standard value, and may differ somewhat from the actual room temperature.



Example: When set to 26 °C

To Set the Fan Speed

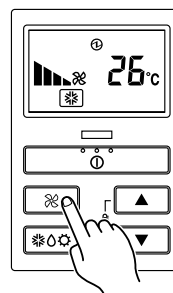
Press  button to select the fan speed.



When set to AUTO:

- * **Heating** : Fan operates so as to optimally circulate warmed air.
However, the fan will operate at very low speed when the temperature of the air issued from the indoor unit is low.
- Cooling** : As the room temperature approaches that of the set temperature, the fan speed becomes slower.
- Fan** : The fan alternately turns on and off; when on, the fan runs at the low fan speed.


The fan will operate at a very low setting during Monitor operation.



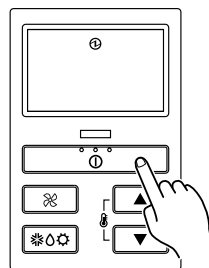
Example: When set to HIGH

Instructions relating to heating (*) are applicable only to "HEAT & COOL MODEL" (Reverse Cycle).

To Stop Operation

Press  button.

The remote controller's operation lamp (green) will go out.
The display contents disappear and only ① is displayed.



Mode Operation

AUTO:

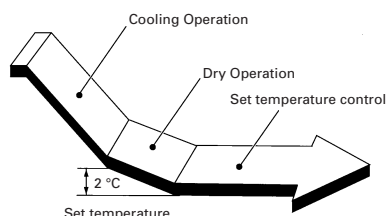
COOLING ONLY MODEL

- When the room temperature is 2 °C higher than the set temperature, the mode will switch between Cooling and Drying.
- During the Drying mode operation, the FAN setting should be switched to LOW for a gently cooling effect during which the fan may temporarily stop rotating.
- If the mode automatically selected by the unit is not satisfactory, see page 3 for instructions on changing the mode setting (COOL, FAN).


AUTO (* AUTO CHANGEOVER):

HEAT RECOVERY MODEL

- When AUTO CHANGEOVER is selected, the air conditioner selects the appropriate operation mode (Cooling or Heating) according to your room's present temperature.
- When AUTO CHANGEOVER is first selected, the fan will operate at very low speed for about one minute while the unit determines the current conditions of the room and accordingly selects the proper operation mode.
- When the air conditioner has adjusted your room's temperature to approach the set temperature, it will begin monitor operation. In the monitor operation mode, the fan will operate at low speed. If the room temperature subsequently changes, the air conditioner will once again select the appropriate operation (Heating, Cooling) to adjust the temperature to the set temperature value. (The monitor operation range is ± 2 °C relative to the set temperature.)
- If the mode automatically selected by the unit is not satisfactory, see page 3 for instructions on changing the mode setting (HEAT, COOL, FAN).



* Heating:

- Use to warm your room.
- When Heating mode is selected, the air conditioner will operate at very low fan speed for about 3 to 5 minutes, after which it will switch to the selected fan setting. This period of time is provided to allow the indoor unit to warm up before begin full operation.
- When the room temperature is very low, frost may form on the outside unit, and its performance may be reduced. In order to remove such frost, the unit will automatically enter the defrost cycle from time to time. During defrosting (see page 5), the heating mode will be temporarily interrupted.  will be shown on the remote controller display.

Cooling:

- Use to cool your room.

Fan:

- Use to circulate the air throughout your room.

* During Heating mode:

Set temperature must be higher than the current room temperature.
The Heating mode will not operate if the set temperature is lower than the actual room temperature.

During Cooling mode:

Set temperature must be lower than the current room temperature.
The Cooling mode will not operate if the set temperature is higher than the actual room temperature (in Cooling mode, the fan alone will operate).

OPERATING TIPS


Instructions relating to heating (*) are applicable only to "HEAT & COOL MODEL" (Reverse Cycle).

Operation and Performance

*Heating Performance

- This air conditioner operates on the heat-pump principle, absorbing heat from outdoor air and transferring that heat indoors. As a result, the operating performance is reduced as outdoor air temperature drops. If you feel that insufficient heating performance is being produced, we recommend you use this air conditioner in conjunction with another kind of heating appliance.
- Heat-pump air conditioners heat your entire room by recirculating air throughout the room, with the result that some time may be required after first starting the air conditioner until the room is heated.


*Microcomputer-controlled Automatic Defrosting

When using the Heating mode under conditions of low outdoor temperature and high humidity, frost may form on the outdoor unit, resulting in reduced operating performance. In order to prevent this kind of reduced performance, this unit is equipped with a Microcomputer-controlled Automatic Defrosting function. If frost forms, the air conditioner will temporarily stop, and the defrosting circuit will operate briefly (for about 4 to 15 minutes). During Automatic Defrosting operation,  will be displayed on the remote controller.



Cooling/Heating Priority (HEAT PUMP MODEL only)

- If another indoor unit in the same system is already operating in the cooling mode or dry mode, heating mode settings cannot be performed.
- If another indoor unit in the same system is already operating in the heating mode, cooling mode or dry mode settings cannot be performed.

Oil Recovery Operation

Periodically, the oil recovery operation is performed in order to return compressor oil to the outdoor unit. Operation is stopped during this oil recovery operation. During oil recovery operation,  will be displayed on the remote controller.

Setting Restriction

When  is displayed there are functions for which settings cannot be made. When a button is pushed to change a restricted setting,  will flash.

AUTO Restart

In Event of Power Interruption

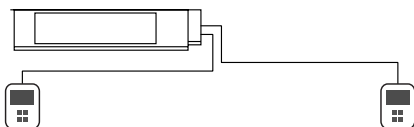
- Should the power supply to the air conditioner be interrupted by a power failure, the air conditioner will restart automatically in the previously selected mode once the power is restored.
- There are functions that are enabled/disabled by DIP switch settings on the indoor unit.
- Use of other electrical appliances (electric shaver, etc.) or nearby use of a wireless radio transmitter may cause the air conditioner to malfunction. In this event, temporarily turn off the circuit breaker, and turn on it again, then use the remote controller to resume operation.

SYSTEM OPERATION

There are different ways the unit can be controlled. (Consult the remote controller operating instructions for details on setting the operating functions.)

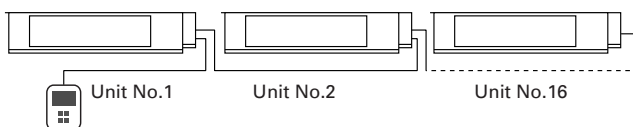
<Spare Remote Controller>

Two remote controllers can be connected to one air conditioner unit. The air conditioner operation contents are the remote controller setting contents set later. (Both remote controllers show the same display.)



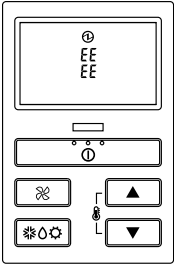
<Control Several Units with just one Remote Controller>

One remote controller can control up to 16 air conditioners. All the air conditioners can be operated with the same setting.

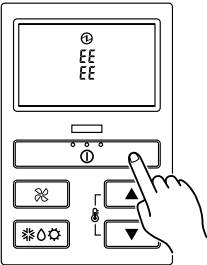



ERRORS AND SELF DIAGNOSIS

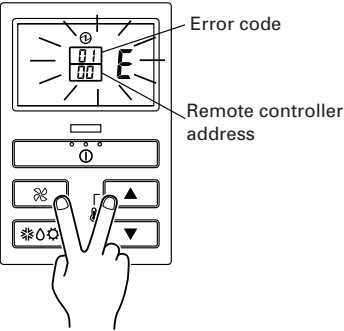
If there is a problem with the air conditioner, it will stop running and “EE” will be displayed.
If “EE” is displayed, immediately contact authorized service personnel.
Do not used the operation below if an error has not occurred.



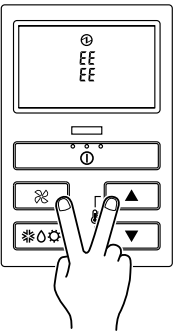
1 If the operation lamp is on then press  button to turn it off.



2 Press  and  buttons at the same time for more than three seconds to start the self diagnosis check. An error code, remote controller address and “E” will flash.



3 Press  and  buttons again for more than three seconds to end the self diagnosis check.



SPECIFICATIONS

REMOTE CONTROLLER (SIMPLE TYPE)

MODEL		UTB-□P		
POWER		DC 12 V		
DIMENSIONS & WEIGHT				
	HEIGHT	[mm]	120	
	WIDTH	[mm]	75	
	DEPTH	[mm]	14	
	WEIGHT	[g]	(UTB-YP/UTB-GP)	90
			(UTB-TP)	100