

DAIKIN DAIKIN ROOM AIR CONDITIONER 3P600167-3B M19P053

OPERATION MANUAL

(The Installation Manual is on the back side.)
MODELS: FTKL18TV16TD, FTKL24TV16TD

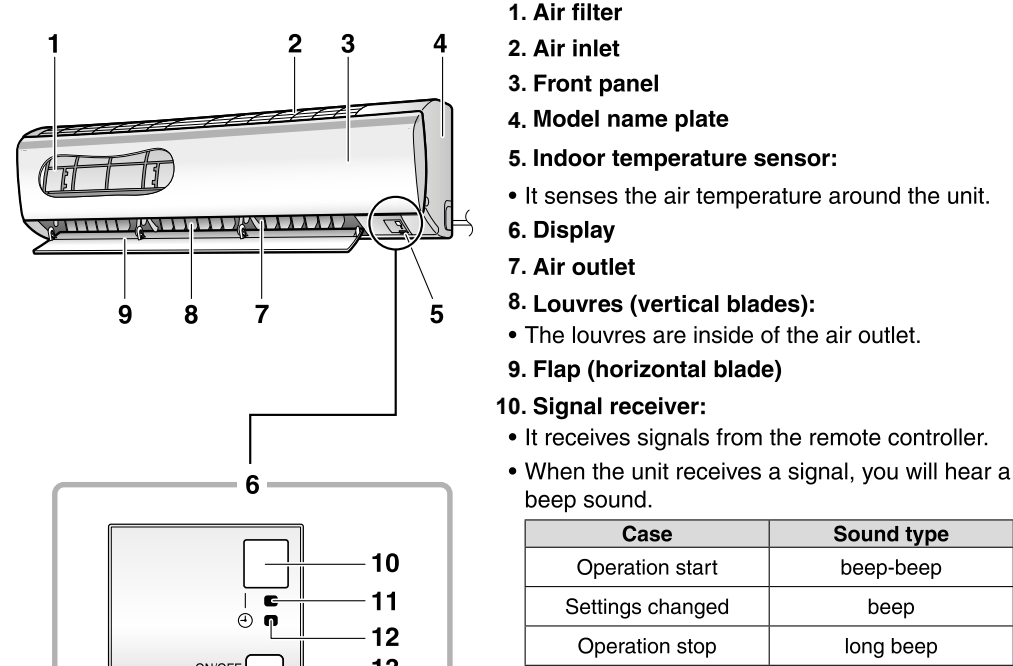
Safety Precautions

- Keep this manual where the user can easily find it.
- Read the precautions in this manual carefully before operating the unit.
 - The precautions described herein are classified as **WARNING** and **CAUTION**. They both contain important information regarding safety. Be sure to observe all precautions without fail.
- WARNING**
- Failure to follow these instructions properly may result in personal injury or loss of life.
- CAUTION**
- Failure to follow these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.
- Never attempt.
 - Be sure to follow the instructions.
 - Be sure to establish an earth connection.
- After reading, keep this manual in a convenient place so that you can refer to it whenever necessary. If the equipment is transferred to a new user, be sure also to hand over the manual.
- WARNING**
- To avoid fire, explosion or injury, do not operate the unit when harmful gases (e.g. flammable or corrosive) are detected near the unit.
 - Be aware that prolonged, direct exposure to cool air from the air conditioner, or to air that is too cool, can be harmful to your physical condition and health.
 - Do not place objects, including rods, your fingers, etc., in the air inlet or outlet. Product damage may result due to contact with the air conditioner's high-speed fan blades.
 - Do not attempt to repair, dismantle, reroute or modify the air conditioner yourself as this may result in water leakage, electric shock or fire hazards.
 - Do not use flammable spray near the air conditioner, or otherwise fire may result.
 - Do not use a refrigerant other than the one indicated on the outdoor unit (R32) when installing, moving or repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.
 - To avoid electric shock, do not operate with wet hands.
- Be aware of the risk of fire in case of refrigerant leakage. If the air conditioner is not operating correctly, is not generating cool air, refrigerant leakage could be the cause. Consult your service centre for assistance. The refrigerant within the air conditioner is safe and normally does not leak. However, in the event of a leakage, contact with a naked flame, heater or cooler may result in generation of noxious gas. Do not use the air conditioner until a qualified service person confirms that the leakage has been repaired.
- Do not attempt to install or repair the air conditioner yourself. Improper workmanship may result in water leakage, electric shock or fire hazards. Please contact your local service centre or qualified personnel for installation and maintenance work.
 - If the air conditioner is malfunctioning (giving off a burning odour, etc.), turn off power to the unit and contact your local service centre. Continued operation under such circumstances may result in a failure, electric shock or fire hazards.
 - Be sure to install an earth leakage circuit breaker. Failure to install the earth leakage circuit breaker may result in electric shock or fire.
 - Be sure to earth the unit. Do not earth the unit to a utility pole, lightning conductor or telephone earth lead. Improper earthing may result in electric shock.
- FTPK008-IN

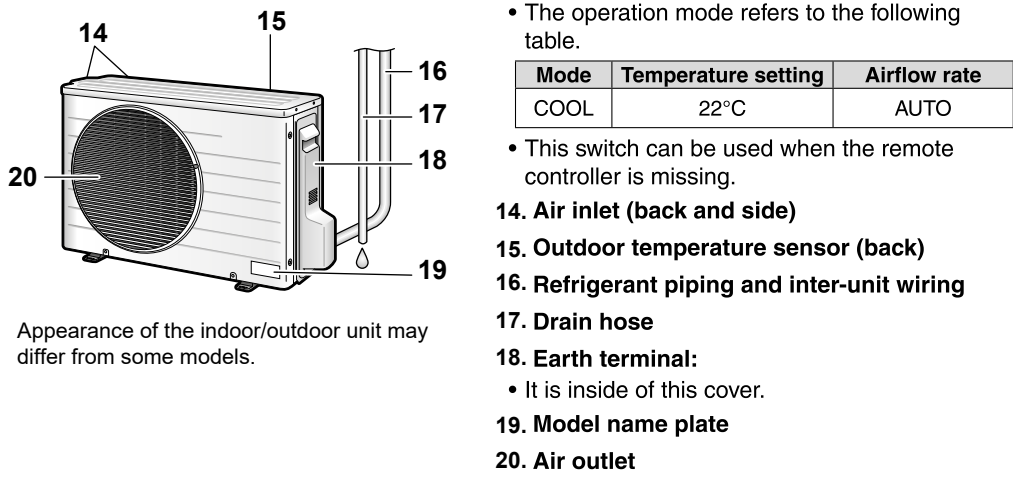
Read before Operation

Name of Parts 1

■ Indoor Unit



■ Outdoor Unit



Operation

DRY · COOL · FAN Operation

The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

■ To start operation

- Press **[MODE]** and select an operation mode.
 - Each pressing of the button changes the mode setting in sequence.
- Press **[ON/OFF]**.
 - "ON" is displayed on the LCD.
 - The OPERATION lamp lights green.

COOL operation	DRY or FAN operation
18-32°C	The temperature setting cannot be changed.

NOTE

- Note on COOL operation**
 - This air conditioner cools the room by releasing heat in the room outdoors. Therefore, cooling performance may fall in higher outdoor temperatures.
- Note on DRY operation**
 - Eliminates humidity while maintaining the indoor temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.
- Note on FAN operation**
 - This mode is valid for fan only.
- Recommended temperature setting**
 - For cooling: 26-28°C

Operation

Adjusting the Airflow Rate / SMELL PROOF Operation

Adjusting the airflow rate

You can adjust the airflow rate to increase your comfort.

■ To change the airflow rate setting

- Press **[FAN]**.
- Each pressing of **[FAN]** changes the airflow rate setting in sequence.
-
- In DRY operation, the airflow rate setting cannot be changed.

SMELL PROOF operation

The SMELL PROOF operation prevents unpleasant odour inside the indoor unit. This function is available in both DRY and COOL operation.

■ To use SMELL PROOF operation

- Before starting the operation, press **[FAN]** to set to Auto.
- Press **[MODE]** to select the DRY or COOL operation.
- Press **[ON/OFF]**.
 - Air starts circulating about 1 minute after the operation is started. However, if the POWER CHILL operation is started, air starts circulating immediately.

NOTE

- Note on airflow rate setting**
 - At smaller airflow rates, the cooling effect is also smaller.
 - Note on SMELL PROOF operation**
 - SMELL PROOF operation can prevent some odours, but not all.
 - Notes on the operating conditions**
 - The air conditioner always consumes a small amount of electricity even while it is not operating.
 - If you are not going to use the air conditioner for a long period, turn off the circuit breaker.
 - Operation outside the humidity or temperature range described in the table may cause a safety device to disable the system.
- | Mode | Operating conditions | If operation is continued out of this range |
|------|---|---|
| COOL | Outdoor temperature: 19.4-50°C
Indoor temperature: 18-32°C | • A safety device may activate to stop the operation.
• Dew may form on the indoor unit and drip from it when COOL or DRY operation is selected. |
| DRY | Indoor humidity: 80% max. | |

Operation

ECONO / TIMER Operation

TIMER Operation

Timer functions are useful for automatically switching the air conditioner on or off in the morning or at night. You can also use the ON TIMER and GOOD SLEEP OFF TIMER together.

■ To use ON TIMER operation

- Press **[ON]**.
 - "H.R." is displayed on the LCD.
- Each pressing of **[SET]** changes the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights yellow.

■ To use GOOD SLEEP OFF TIMER operation

- Press **[OFF]**.
 - "H.R." is displayed on the LCD.
- Each pressing of **[SET]** changes the time setting by 1 hour. The time can be set between 1 and 9 hours.
- The TIMER lamp lights yellow.
- Once GOOD SLEEP OFF TIMER operation starts, the set temperature will increase gradually by 2°C in the next 2 hours to prevent excessive cooling during sleeping hours.

NOTE

- Note on TIMER operation**
 - Once you set ON / GOOD SLEEP OFF TIMER, the time setting is kept in the memory. The memory is cleared when the remote controller batteries are replaced.
- In the following cases, set the timer again.**
 - After the circuit breaker has turned off.
 - After a power failure.
 - After replacing the batteries in the remote controller.

Troubleshooting

Troubleshooting 1

These cases are not problems.

The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

Case	Explanation
Operation does not start soon. - When ON/OFF button was pressed soon after operation was stopped. - When the mode was reselected.	This is to protect the air conditioner. You should wait for about 3 minutes.
Air does not come out.	If the operation is started when the airflow setting is "Auto", the SMELL PROOF operation starts running to prevent unpleasant odour inside the indoor unit. Wait for about 1 minute. (Except when POWER CHILL operation is set.) Refer to "Adjusting the Airflow Rate / SMELL PROOF Operation".
The flaps do not start swinging immediately.	The air conditioner is adjusting the position of the flaps. The flaps will start moving soon.
Operation stopped suddenly. (OPERATION lamp is on.)	To protect the system, the air conditioner may stop operating after sudden large voltage fluctuations. It automatically resumes operation in about 3 minutes. Voltage range protection: 160V-265V
A sound is heard.	A sound like flowing water - This sound is generated because the refrigerant in the air conditioner is flowing. - This is a pumping sound of the water in the air conditioner and can be heard when the water is pumped out to prevent the air conditioner during COOL or DRY operation. Blowing sound - This sound is generated when the flow of the refrigerant in the air conditioner is switched over. Ticking sound - This sound is generated when the cabinet and frame of the air conditioner slightly expand or shrink as a result of temperature changes. Clopping sound - This sound is heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.
The outdoor unit emits water or steam.	In COOL or DRY operation - Moisture in the air condenses into water on the cool surface of the outdoor unit piping and drips.
Mist comes out of the indoor unit.	This happens when the air in the room is cooled into mist by the cold airflow during COOL operation.

Care

Care and Cleaning 1

CAUTION

Before cleaning, be sure to stop the operation and turn off the circuit breaker.

Units

■ Indoor unit and remote controller

- Wipe them with a dry soft cloth.

■ Front panel

- Open the front panel.
 - Hold the front panel by the indentations in the main unit and open the front panel.
- Remove the front panel.
 - Slide the front panel to either the left or right and pulling it toward you. This will disconnect the front panel shaft on one side.
 - Disconnect the front panel shaft on the other side in the same manner.
 - You can also remove the front panel by pushing it open until the front panel shaft is disconnected.
- Clean the front panel.
 - Wipe it with a soft cloth soaked in water.
 - Only neutral detergent may be used.
 - In case of washing the panel with water, wipe it with dry soft cloth, dry it up in the shade after washing.
- Attach the front panel.
 - Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.
 - Close the front panel slowly.
 - Press the front panel at both sides and the centre.

CAUTION

- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40°C, benzene, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hard stuff.
- After cleaning, make sure that the front panel is securely fixed.

Troubleshooting

Troubleshooting 2

Case	Explanation
The indoor unit gives out odour.	The room odour absorbed in the unit is discharged with the airflow. We recommend you to have the indoor unit cleaned. Please consult your service centre.
The outdoor fan rotates while the air conditioner is not in operation.	Immediately after the air conditioner is stopped: - The outdoor unit fan continues rotating for about another 1 minute to protect the system. While the air conditioner is not in operation: - The batteries are dying and the remote controller is malfunctioning. Replace both batteries with new, dry batteries (AAA). For details, refer to "To insert the batteries" of this manual.
Remote controller does not work properly.	- No remote controller signals are displayed. - The remote controller sensitivity is low. - The display is low in contrast or blacked out. - The display runs out of control.

Check again.

Please check again before requesting repairs.

Case	Explanation
The air conditioner does not operate. (OPERATION lamp is off.)	- Has the circuit breaker been tripped or the fuse blown? - Is there a power failure? - Are batteries set in the remote controller? - Is the timer setting correct?
The room does not cool down.	- Is the airflow rate setting appropriate? - Is the airflow rate setting is too low, increase it. - Is the set temperature appropriate? - Is the adjustment of the airflow direction appropriate? - Are the air filters dirty? - Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit? - Is a window or door open? - Is the air conditioner in ECONO operation or GOOD SLEEP OFF TIMER operation?
Operation stops suddenly. (OPERATION lamp is blinking.)	- Are the air filters dirty? - Clean the air filters. - Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit? - Stop operation and after turning off the circuit breaker, remove the obstruction. Then restart operation with the remote controller. If the OPERATION lamp is still blinking, check the error code and consult your service centre. - Is the lamp stop blinking after the above steps, there is no malfunction.
An abnormal functioning happens during operation.	The air conditioner may malfunction with lightning or radio waves. Turn off the circuit breaker, turn it on again and try operating the air conditioner with the remote controller.

Read before Operation

Name of Parts 2

■ Remote Controller

- Signal transmitter:
 - Sends signals to the indoor unit.
- Display (LCD):
 - Displays the current setting. (In this illustration, each section is shown with its display ON for the purpose of explanation.)
- ON/OFF button:
 - Press this button once to start operation. Press once again to stop it.
- TEMPERATURE adjustment button:
 - Changes the temperature setting.
- FAN setting button:
 - Selects the airflow rate setting.
- SWING button:
 - Adjusts the airflow direction.
- POWER CHILL button:
 - POWER CHILL operation
- MODE selector button:
 - Selects the operation mode. (DRY/COOL/FAN)
- ECONO button:
 - ECONO operation
- COANDA button:
 - COANDA operation
- TIMER CANCEL button:
 - Cancels the timer setting.
- ON TIMER button
- GOOD SLEEP OFF TIMER button

NOTE

- Notes on remote controller**
 - Never expose the remote controller to direct sunlight.
 - Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
 - Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamp) is in the room. Consult your service centre if that is the case.
 - If the remote controller activates other electric devices, move them away or consult your service centre.

Operation

Adjusting the Airflow Direction

You can adjust the airflow direction to increase your comfort.

CAUTION

- Always use a remote controller to adjust the angles of the flaps. Moving the flaps forcibly by hand may cause a malfunction.
- Be careful when adjusting the louvres. Inside the air outlet, a fan is rotating at a high speed.

■ To start auto swing

Upper and lower airflow direction

- Press **[UP]**.
 - "UP" is displayed on the LCD.
 - The flap (horizontal blade) will begin to swing.

Right and left airflow direction

- Press **[RIGHT]**.
 - "RIGHT" is displayed on the LCD.
 - The louvres (vertical blades) will begin to swing.

The 3-D airflow direction

- Press **[UP]** and **[RIGHT]**.
 - "UP" and "RIGHT" are displayed on the LCD.
 - The flap and louvres move in turn.
 - To cancel 3-D airflow, press either **[UP]** or **[RIGHT]** again. The flap or louvres will stop moving.

■ To set the flap or louvres at desired position

- This function is effective while flap or louvres are in auto swing mode.

- Press **[UP]** and **[RIGHT]** when the flap or louvres have reached the desired position.
 - In the 3-D airflow, the flap and louvres move in turn.
 - "UP" and "RIGHT" disappears from the LCD.

NOTE

- Note on the angles of the flap**
 - Using 3-D airflow circulates cold air, which tends to collect at the bottom of the room, throughout the room, preventing areas of cold developing.

Care

Care and Cleaning 2

Air filter

- Pull out the air filters.
 - Open the front panel.
 - Push the filter tab at the center of each air filter a little upwards, then pull it down.
- Clean or replace each filter.
 - Wash the air filters with water or clean them with vacuum cleaner.
 - If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
 - Be sure to remove the accessory filter (optional part).
 - It is recommended to clean the air filters every 2 weeks.
- Set the air filter as they were and close the front panel.
 - Insert claws of the filters into slots of the front panel. Close the front panel slowly and push the panel at the 3 points.
 - Press the front panel at both sides and the centre.

Troubleshooting

Troubleshooting 3

Call your service centre immediately.

WARNING

- When an abnormality (such as a burning smell) occurs, stop operation and turn off the circuit breaker. Continued operation in an abnormal condition may result in problems, electric shock or fire. Consult your service centre.
- Do not attempt to repair or modify the air conditioner by yourself. Incorrect work may result in electric shock or fire. Consult your service centre.

If one of the following symptoms takes place, call your service centre immediately.

- The power cord is abnormally hot or damaged.**
 - An abnormal sound is heard during operation.**
 - The circuit breaker, a fuse, or the earth leakage circuit breaker cuts off the operation frequently.**
 - A switch or a button often fails to work properly.**
 - There is a burning smell.**
 - Water leaks from the indoor unit.**
- Turn off the circuit breaker and call your service centre.
- After a power failure
The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.
- Lightning
If there is a risk lightning could strike in the neighbourhood, stop operation and turn off the circuit breaker to protect the system.

Disposal requirements

Your air conditioning product is marked with this symbol. This means that electrical and electronic products shall not be mixed with unsorted household waste.

Do not try to dismantle the system yourself: the dismantling of the air conditioning system, treatment of the refrigerant, of oil and of other parts must be done by a qualified installer in accordance with relevant local and national legislation.

Air conditioners must be treated at a specialized treatment facility for re-use, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

Batteries must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

Read before Operation

Preparation before Operation

■ To set the batteries

- Remove the back cover by sliding and then slightly lifting it.
- Set 2 dry batteries (AAA).
- Return the back cover to the previous position.

■ To operate the remote controller

- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is about 7m.

■ Turn on the circuit breaker

After the power is turned on, the flap of the indoor unit closes to set the reference position.

NOTE

- Tips for saving energy**
 - Be careful not to cool the room too much. Keeping the temperature setting at a moderate level helps save energy.
 - Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling effect.
 - Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks.
- Notes on batteries**
 - Do not use a leaking battery.
 - When replacing the batteries, use batteries of the same type, and replace both old batteries together.
 - When the system is not used for a long time, take the batteries out.
 - If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both batteries with new, dry batteries (AAA).
 - The attached batteries are provided for the initial use of the system.
 - The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

Operation

COANDA / POWER CHILL Operation

COANDA Operation

Directs airflow upward. This function prevents air from blowing directly at users.

■ To start COANDA operation

- Press **[COANDA]**.
 - The flaps position will change, preventing air from blowing directly on the occupants of the room.
 - "CO" is displayed on the LCD. The flaps will go up.

■ To cancel COANDA operation

- Press **[COANDA]** again.
 - The flaps will return to the memory position from COANDA mode.
 - "CO" disappears from the LCD.

POWER CHILL Operation

POWER CHILL operation quickly maximises the cooling effect in any operation mode. In this mode, the air conditioner operates at maximum capacity.

■ To start POWER CHILL operation

- Press **[POWER CHILL]**.
 - POWER CHILL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWER CHILL operation.
 - "PC" is displayed on the LCD.

■ To cancel POWER CHILL operation

- Press **[POWER CHILL]** again.
 - "PC" disappears from the LCD.

NOTE

- Notes on COANDA operation**
 - The flaps position will change, preventing air from blowing directly on the occupants of the room.
 - If the up and down airflow direction is selected, the COANDA operation will be cancelled.
 - The airflow rate can be set to any level. However, a low airflow rate may result in the downward flow of cold air, and in air blowing at people.
- Notes on POWER CHILL operation**
 - When using POWER CHILL operation, there are some functions which are not available.
 - POWER CHILL operation can only be set when the unit is running.
 - POWER CHILL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.
 - In COOL operation**
 - To maximise the cooling effect, the capacity of outdoor unit is increased and the airflow rate becomes fixed at the maximum setting. The temperature and airflow settings cannot be changed.
 - In DRY operation**
 - The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
 - In FAN operation**
 - The airflow rate is fixed at the maximum setting.

