

Panasonic®

Operating Instructions
Air Conditioner

English

Indoor Unit

CS-F24DD1E5
CS-F28DD1E5
CS-F34DD1E5

CS-F43DD1E5
CS-F50DD1E5

Outdoor Unit

CU-L24DBE5
CU-L28DBE5
CU-L34DBE5

CU-L43DBE5
CU-L50DBE8

Product Overview

1

Helpful Information

2

Basic Operation • **Wireless Remote Control**

3

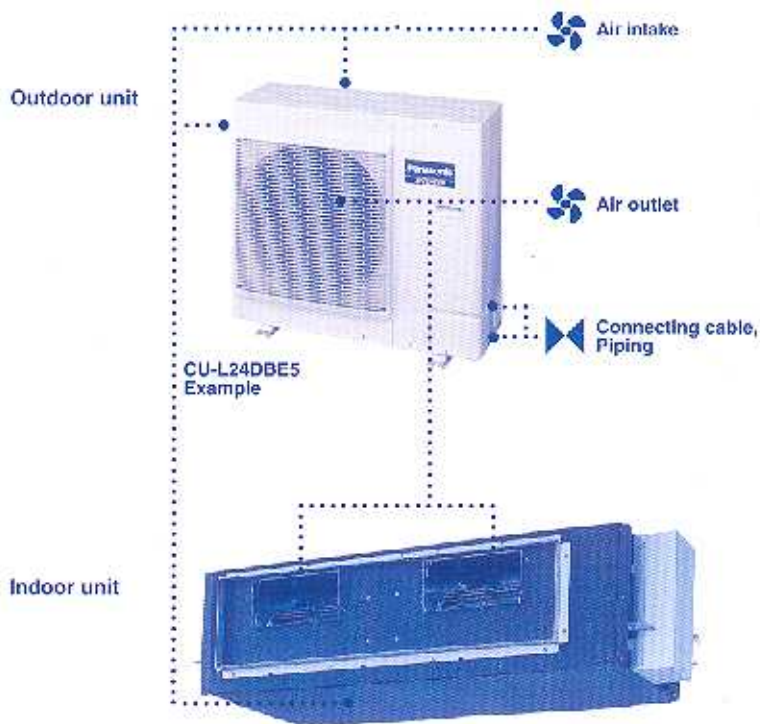
Timer Operation

4



Before using your air conditioner, read these operating instructions thoroughly!





Remote Control



Wired Remote Control

Use under the following conditions:

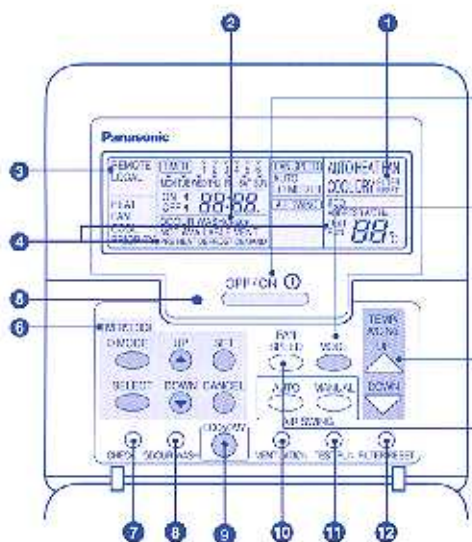
Cooling operation	<ul style="list-style-type: none"> Indoor temperature range: 21 to 32°C The heat-exchanger freezes in the indoor unit if you operate it continuously at 21°C or below and it causes water leakage occasionally. Outside air temperature range: -5 to 43°C
Heating operation	<ul style="list-style-type: none"> Indoor temperature range: 18 to 30°C Outside air temperature range: -20 to 24°C Operation is occasionally interrupted when the unit heats at 24°C or above (For protection purpose)

REMOTE CONTROL

NOTE:

- Ensure that the button is pressed correctly because pressing of multiple buttons simultaneously will make the setting incorrect.
- The illustrations of the wired remote control is for explanatory purpose only. The appearance may be different during actual operation.
- Do not press the remote control buttons with any sharp objects as this may damage the remote control.
- Buttons marked with * in page 3 are not needed for normal operation. If one of these buttons is pressed by mistake, press the same button once more to cancel the operation.





OPERATION

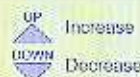
Switch OFF/ON of the device

Select Operation Mode

FAN ► COOL ► DRY ► AUTO ► HEAT

For details please refer below

Select Temperature (16 - 31°C)



Select Fan Speed

AUTO ► LO ► MED ► HI

1 "FILTER RESET" Display - Appears after $\approx 1,000$ hours of operation.

2 "CHECK" Display → []

3 REMOTE - The OFF/ON button cannot be used
LOCAL - All wired remote control buttons can be used

4 Indicates the unit in Test run, Pre-heat or Defrost mode

5 Operation Indicator - Lights up when unit in operation

6 TIMER/CLOCK → []

7 CHECK button - Press if "CHECK" display is flashing. → []

8 ODOUR WASH - Press once to provide odour removing operation. Press more than 3 seconds for odour clear operation. → []

9 ECONOMY - Provides Energy Saving by increasing (COOL mode) or decreasing (HEAT mode) the temperature by 0.5°C per 30 minutes to a maximum of 2°C.

10 "VENTILATION" button - Optional Part.

11 "TEST RUN" button.

12 FILTER RESET button - Press to reset "FILTER RESET" display after washing the filter.

Note: * Not needed for normal operation.

DETAILS OF OPERATION MODE

FAN - Air Circulation

Fan operation, to circulate air in the room.

COOL - Cooling

Choose the right temperature to be comfortably cool!

DRY - Dehumidifying

Very gentle cooling and dehumidifying operation.

AUTO - Automatic

Based on the intake & remote control setting temperature, the system automatically chooses HEAT, FAN and COOL.

HEAT - Heating

Choose the right temperature to be comfortably warm!



WIRED REMOTE CONTROL

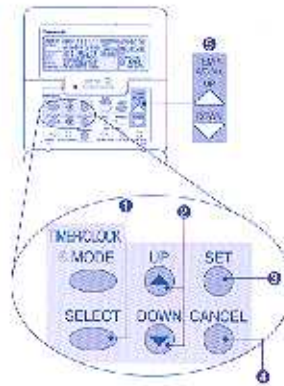
- 2 types of Timer can be selected. **Daily or Weekly Timer**

MODE



Press once to change CLOCK or TIMER

Press more than 3 seconds to change Daily or Weekly Timer.



Setting current day and time (CLOCK)
(Set before any Daily or Weekly Timer selected.)

1. Press SELECT ❶
2. Select day by pressing UP/DOWN ❷
3. To confirm the current day, press SET ❸
4. Then select current time by pressing UP/DOWN ❹
5. To confirm the current time, press SET ❺

Daily Timer Setting

Press SELECT ❶

ON Timer will activate

Select desired time by pressing UP/DOWN ❷ then press SET ❸ to confirm, or press CANCEL ❹ if do not want any ON Timer setting.

Then OFF Timer will activate.

Select desired time by pressing UP/DOWN ❷ then press SET ❸ to confirm, or press CANCEL ❹ if do not want any OFF Timer setting.

NOTE:

To cancel or revise the current setting you may follow the above step.
TIMER will only start if TIMER display appear.
Timer nearer to current time will be activated first.

Weekly Timer Setting

You may select Single day or whole week setting.

If want to select Single day setting Press UP/DOWN ❷ to select the day then press SELECT ❶ If want to select same Timer for the whole week, Press SELECT ❶ Display will show whole day in a week with triangle mark.(Note : You may deselect some of the day. Press UP/DOWN ❷ then SET ❸ to clear the triangle mark.) Then press SELECT ❶

Start to set the 1st Timer. (For Single day or whole week)

Press UP/DOWN ❷ to select ON or OFF Timer then press SET ❸ to confirm.

Press UP/DOWN ❷ again to select desired time.

If want to select together with temperature, press TEMP UP/DOWN ❸, then press SET ❶ or Press CANCEL ❹ if you do not want to set any Timer.

Repeat the above to set 2nd - 6th Timer.

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Operating Instructions
Air Conditioner

English

Care & Cleaning **5**

Troubleshooting **6**

Safety Precautions **7**

Note: The illustrations in these operating instructions are for explanation purposes only and may differ from actual unit. Subject to change without notice for future improvement.

Manufactured by:
Panasonic Taiwan Co., Ltd.
579, Yuan Shan Road, Chung-Ho, Taipei Hsien,
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5 Care & Cleaning

Before Cleaning



Power supply-OFF



Soaps/household detergents



Benzine/Thinner/Scouring powder

Indoor unit



Wipe gently with dry soft cloth or cloth slightly moistened with water/neutral detergent solution.

Pre-season inspection

Check Ground Wire



Must be connected and in good condition



Check "—" air intake and "—" air outlet



Ensure there is no obstructive item.



"ON" the power supply, 12 hours before operation.



Immediate operation, may cause damage to the unit.

ODOUR WASH

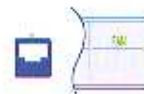
Press more than 3 seconds. The unit will automatically perform fan and heating (40°C) operation for 20 minutes. During this operation odours are removed, internal parts are dried & the growth of mold is minimized. (Recommended to open the windows during this operation)

For extended non-operation

Select FAN mode



Operate to dry internal parts (2-3 hours)



OFF



OFF/ON

Power supply-OFF



Clean - Indoor and Outdoor units



Recommended Inspections

After several seasons and due to operational conditions, the performance may be reduced by dirt or foul odours may occur.



Consult an authorized distributor for inspection!

OK?

✓ No problem

- 1 Operation delayed for 3 minutes after successful restart. ▶ Self protecting procedure.
- 2 It sounds like water flowing... ▶ Caused by refrigerant flow inside.
- 3 Creaking noise during start and stop operation. ▶ Caused by panel expanding/contracting due to temperature change.
- 4 Peculiar odour during operation. ▶ Smell emitted by household items.
- 5 Mist seems to emerge from the indoor unit. ▶ Condensation effect due to cooling.
- 6 Unit switch to FAN operation and air become humid. ▶ Temperature has reached the setting. Automatically, FAN mode is activated and humidity increases.
- 7 During DRY operation, air being blown out feels cool. ▶ It is due to cooling operation with low fan speed. Select COOL, if operating for long period of time to lower the humidity.
- 8 Operation starts after power resumes. ▶ Auto restart is in function and operates under previous setting.
- 9 Outdoor unit emits water/steam. ▶ Condensed moisture due to cooling.

HEAT PUMP only

- 10 Airflow malfunction when starting operation (PRE HEAT-display). ▶ In warming up process.
- 11 Operation stops occasionally (DEFROST-display). ▶ Outdoor unit defrosts up to 12 minutes to complete.
- 12 Operation does not stop after OFF/ON are pressed. ▶ Discharging heat is in process. Operation stops at 60 seconds.
- 13 Changes in fan speed. ▶ Temperature has reached the setting. Fan speed resumes after temperature drops.
- 14 Outdoor unit emits noise during heating operation. ▶ Changes in flow of refrigerant gas when operation stops and starts.
- 15 Outdoor unit emits steam during heating operation. ▶ Due to the frosted heat exchanger, the defrost operation will begin.



- 1 No Operation ▶ Circuit breaker tripped? ▶ Power supply OK?
▶ Timer used correctly?
- 2 Cooling/ Heating efficiency low ▶ Temperature set correctly?
▶ Windows/doors closed? ▶ Outdoor unit obstructed?
▶ Inlet /outlet ventilators obstructed?



TURN OFF - POWER SUPPLY - CALL authorized distributor IN CASE OF...

- Abnormal noise during operation.
- Water/foreign materials gets into Remote Control.
- Water leaks from Indoor unit.
- Switches/buttons do not operate properly.
- Circuit breaker switches off frequently.
- Power cord warms up unusually.

EMERGENCY!

SOS Immediately isolate from the mains supply (e.g. if there is a smell of burning).

Use only for...

COOL Cooling	DRY Dehumidifying
HEAT Heating	FAN Air Circulation

Never use this unit for purposes other than those listed in these Operating Instructions. Especially do not use this unit for preservation etc.



Installation

-  NEVER install, remove or reinstall yourself
-  Engage a dealer/specialist
-  NOT in potentially explosive atmosphere
-  Connect drain hose properly

Mains connection








-  Engage a dealer/specialist for mains connection including...
-  Use connectors/breakers which are easy reachable!
-  Connect to protective earth!

Cleaning

-  OFF power supply (connector or breaker)
-  Do NOT wash!

Australia (AS) Standard
The appliance is not intended for use by young children or infirm person without supervision. Young children should be supervised to ensure that they do not play with the appliance.

Operation



-  Do NOT stay long in the stream of cold air
-  Do NOT operate with wet hands
-  Ventilate the room periodically
-  NEVER modify/damaged main cables/connectors
-  Place nothing on the unit -> covered openings may cause overheating
-  Do NOT insert finger or other objects into the unit! -> especially dangerous for children!
-  Unused for a long time? -> OFF

If the supply cord is damaged or needed to be replaced, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard

Defects

-  Defect/suspicion of defect? -> Attend to defects before use!
-  Do NOT repair yourself
-  Engage a dealer/specialist

Waste disposal

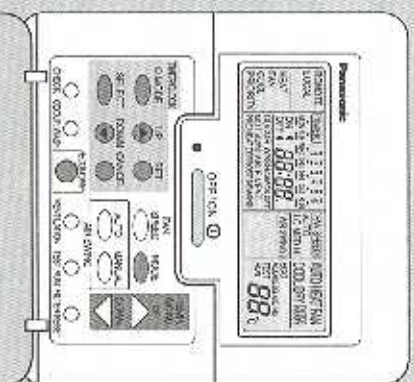
-  Uninstalling and disposal of the unit ONLY by dealer/specialist.
-  Packaging recyclable

Nür für Deutschland
HINWEISE:
Schalldruckpegel < 70dB(A) (JIS C9612)

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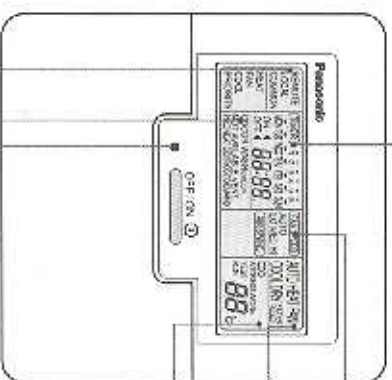
User Manuals
Wired Remote Control

ENGLISH



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• How to Select the Timer	page 5
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Remote Control - Display



Timer/Time Setting Display

This display shows the timer operation setting time or the current time. Timer can be selected from daily timer and weekly timer.

Fan Speed Display

This display shows the fan speed setting of Auto, Low, Medium and High.

Operation Selection Display

This display shows operation setting of Auto, Heat, Fan, Cool and Dry. Filter indication is also displayed here.

Temperature Setting Display

This display shows the temperature setting for the indoor unit. The temperature can be set within the range of 18°C - 31°C (for both cooling/heating operations). Settings of economy mode and test run are also displayed here.

OFF/ON Indicator LED

This indicator lights up when the air conditioner is running.

Message Display

- ODOUR WASH** - Lights up during odour wash (odour removing) operation and flashes while occur wash (odour clear) is being set.
- CHECK SET** - Flashes in case of abnormality.
- NOT AVAILABLE** - Lights up when carrying out local setting.
- VENT** - Indicates the operation of ventilating equipment (indoor).
- PRE HEAT** - Lights up during the preheat operation.
- DEFROST** - Lights up during the defrost operation.
- DEMAND** - Lights up when a demand request is made from outside.

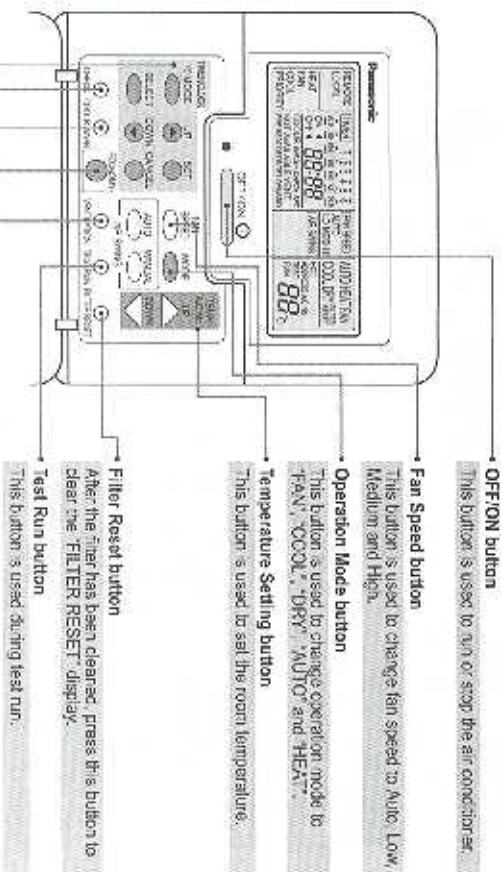
Operating Location and Priority Display

- REMOTE, LOCAL COMMON** - This display changes when a remote control device is connected.
 - REMOTE** - The RUN and STOP functions on the remote control unit cannot be used.
 - LOCAL** - All conditioner can be operated with the remote control unit.
 - COMMON** - All conditioner can be operated with both the remote control unit and a remote controlling device.
 - HEAT PRIORITY** - Operation other than heating is not available.
 - FAN PRIORITY** - Operation other than set circulation operation is not available.
 - COOL PRIORITY** - Operation other than cooling is not available.
- Change the operation mode with a device other than the remote control unit.



Manufactured by:
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Taipei Hsien, Taiwan.

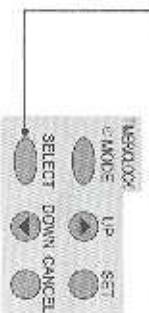
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
Web site: <http://www.panasonic.co.jp/global/>



Timer Setting button Group
This button group is used for timer setting. For details, please refer to the descriptions on subsequent pages. Basic functions of each button are as follows:
MODE - Changes clock and timer display or goes back to the previous display.
SELECT - Starts timer setting mode.
UP - Increases the time.
DOWN - Decreases the time.
SET - Confirms general settings and timer setting. Resumes all timer settings collectively.
CANCEL - Cancels settings. Cancels all the timer settings collectively.

The current time mode to be set when you turn on the power for the first time or after a long time has elapsed since the power was last turned on.
 The current time becomes the standard time for all the Timer operations.
 Set the current time and day accurately.
 Example: Current Day is Wednesday and Current Time is 8:00

- 1 Turn on the power supply
- 2 Press "SELECT" button"



Below displays will appear



3 Select Current Day

To set the current day, press "UP" or "DOWN" button" to select current day.
 (Refer to above example; select WED)
 To confirm the selected day, press "SET" button".

4 Select Current Time

To set the current time, press "UP" or "DOWN" button" to select current time.
 (Refer to above example; select 8:00)
 To confirm the selected time, press "SET" button".

Note:

- Press "UP" button" to increase or "DOWN" button" to decrease (interval 1 minute) or hold the button to change the time faster.
- If the "UP" or "DOWN" button" is not pressed for 30 seconds during the day or time setting or if the "SELECT" button" is pressed, the setting at that moment is confirmed and setting will end.



How to Select the Timer

2 types of Timer mode can be selected on the remote control.

- Daily Timer
- Weekly Timer

These timers cannot be operated simultaneously.
Select one of these Timers for your convenience.

How to Change the Display



- Press once to change the display from CLOCK to Timer or vice-versa.
- Press more than 3 seconds to change the display from Daily Timer to Weekly Timer or vice-versa.

CLOCK Display (To set current Day and Time)



Example,
refer to Page 4



Daily Timer Display



Weekly Timer Display

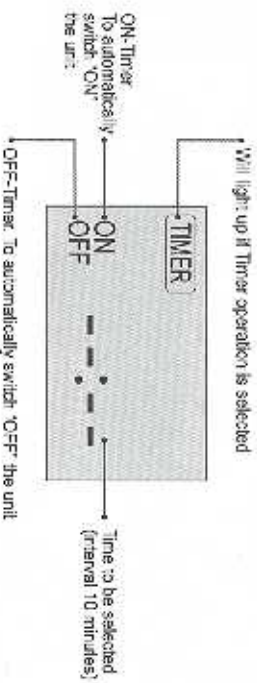
Note:

The above display is shown if no valid timer setting is made.
If valid timer setting is made,

- [TIMER] and setting will be displayed.
- If you want to check the current time and day, press [MODE button] once.
(However, after a few seconds, the display will change back to [TIMER] and the setting.)

Daily Timer Setting

► Display



► How to Set Daily Timer

- You can set only 'ON' or only 'OFF' or 'ON and OFF' in a day.

1 Change Display

Press [MODE button] to change the display to daily timer.



2 ON-Timer, OFF-Timer and select Time

Press [SELECT button], ON-Timer setting will be displayed.
Press [UP or DOWN button] to select the desired time.
(Example: ON 9:00),
then press [SET button] to confirm the selected desired time.
Or press [CANCEL button] if you do not want any setting for ON-Timer.



Then OFF-Timer setting will be displayed.

Press [UP or DOWN button] to select the desired time.
(Example: OFF 18:30),
then press [SET button] to confirm the selected desired time.
Or press [CANCEL button] if you do not want any setting for OFF-Timer.



Note:

- The setting timer will be activated everyday.
- Timer nearer to the current time will be activated first.

Final Display of Daily Timer:



Only ON-Timer being selected.
The unit will automatically switch ON at 9:00.



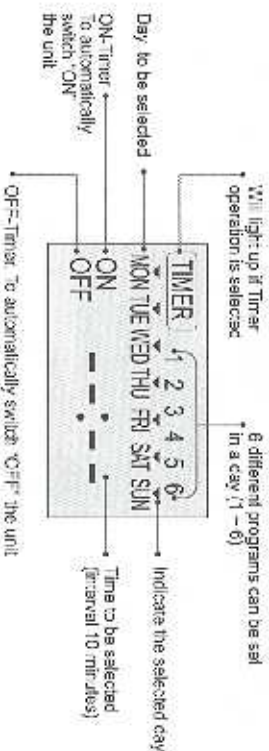
Only OFF-Timer being selected.
The unit will automatically switch OFF at 18:30.



ON and OFF-Timer are selected. ON-Timer will be activated that due to 9:00 being nearer to current time.

Weekly Timer Setting

► Display



► How to Set Weekly Timer

- You can set the timer for 1 week (Monday to Sunday) with 6 programs per day.
- ON-Timer can be set together with your desired temperature. However, this temperature will be used continuously.
- Cannot set 2 programs with same time setting in a day.
- You also may select Collective - many days with same time setting or Individual - single one day setting.

1 Change Display

Press "MODE" button to change the display to weekly timer.

2 Select Day (Please refer to next page for example of setting)

You may select Collective or the individual day setting.

- Collective day setting:
Press "SELECT" button, display will show day selection setting.
Press "UP" or "DOWN" button to select the day. Then press "SET" button to delete triangle mark (selected) or add triangle mark (selected).
Triangle mark on top of each day indicates the day to be selected.
Repeat these steps if you want to deselect or select many days.
To confirm the selected days, press the "SELECT" button.
- Individual day setting:
Press "UP" or "DOWN" button to select the day.
Then press "SELECT" button.



3 Select Time (Please refer to next page for example of setting)

For 1st program setting.

- Press "UP" or "DOWN" button to select "ON" or "OFF".
- Then press "SET" button to confirm.
- Press "UP" or "DOWN" button again to select the desired time.
- If you want to set them together with your desired temperature, press "TEMP UP" or "DOWN" button to select the temperature.
- Then press "SET" button to confirm.
- Or press "CANCEL" button (If you do not want to set any time for 2nd ~ 6th program you may refer to the above steps).



Example:
Setting 1st program

Weekly Timer Setting

For example, if you want to set:

- Monday to Friday: Same time: 1st program ON 9:00 & 2nd program OFF 16:00.
- Only Wednesday: Additional 3rd program OFF 12:30 & 4th program ON 13:30.
- Only Saturday: 1st program ON 10:00 with 20°C & 2nd program OFF 14:00.
- Sunday: Holiday. No need to set any timer.



■ To set A (Monday to Friday - Collective day setting)

- Press "SELECT" button.
- To select Monday to Friday, deselect Saturday and Sunday by pressing "UP" or "DOWN" button to Saturday, press "SET" button (triangle mark on top of Saturday will disappear).
- Follow the same step to deselect Sunday.
- Ensure triangle mark appears on top of Monday ~ Friday.
- To confirm the selected days, press "SELECT" button.

To set the time, please refer to step 3. Select time at page 7.

- 1st program - select "ON" and desired time to 9:00.
- 2nd program - select "OFF" and desired time to 16:00.
- 3rd - 4th program - press "CANCEL" button.



■ To set B (Wednesday - Individual day setting)

- Press "UP" or "DOWN" button to select "WED" (Wednesday).
- Then press "SELECT" button.
- To set the time, please refer to step 3. Select time at page 7.

- 1st program - press "SET" button twice (confirm ON and 9:00).
- 2nd program - also press "SET" button twice (confirm OFF and 16:00).
- 3rd program - select "OFF" and desired time to 12:30.
- 4th program - select "ON" and desired time to 13:30.
- 5th - 6th program - press "CANCEL" button.



■ To set C (Saturday - Individual day setting)

- Follow the same step as above.
- To set the time, please refer to step 3. Select time at page 7.
- 1st program - select "ON", desired time to 10:00 and desired temperature to 20°C.
- 2nd program - select "OFF" and desired time to 14:00.
- 3rd - 4th program - press "CANCEL" button.

Final Display for Weekly timer may be show as:
(Display is showing 9:00 ON - Timer on Wednesday will be activated next, because it is nearest the current day/time.)



Note:

- Timer that has setting nearest to current time and day will be activated first.
- To check the setting timer, press "SELECT" button, then "UP" or "DOWN" button to select the day. The display will show each program for the selected day.
- To reset the setting for all, press "SELECT" button, then ensure all day setting with triangle mark. Then press "CANCEL" button for all the programs.

S041-D

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