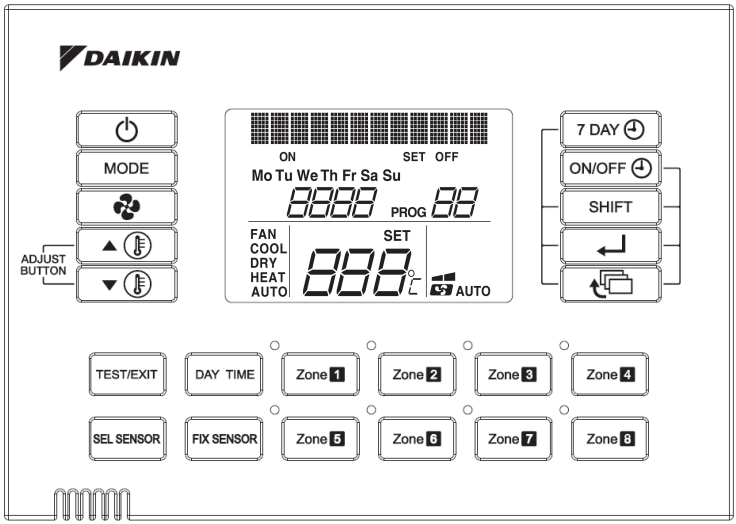
WIRED REMOTE CONTROLLER

OPERATION MANUAL



MODELS : BRC230Z4B
BRC230Z8B
BRC24Z4B
BRC24Z8B
BRCSZC1

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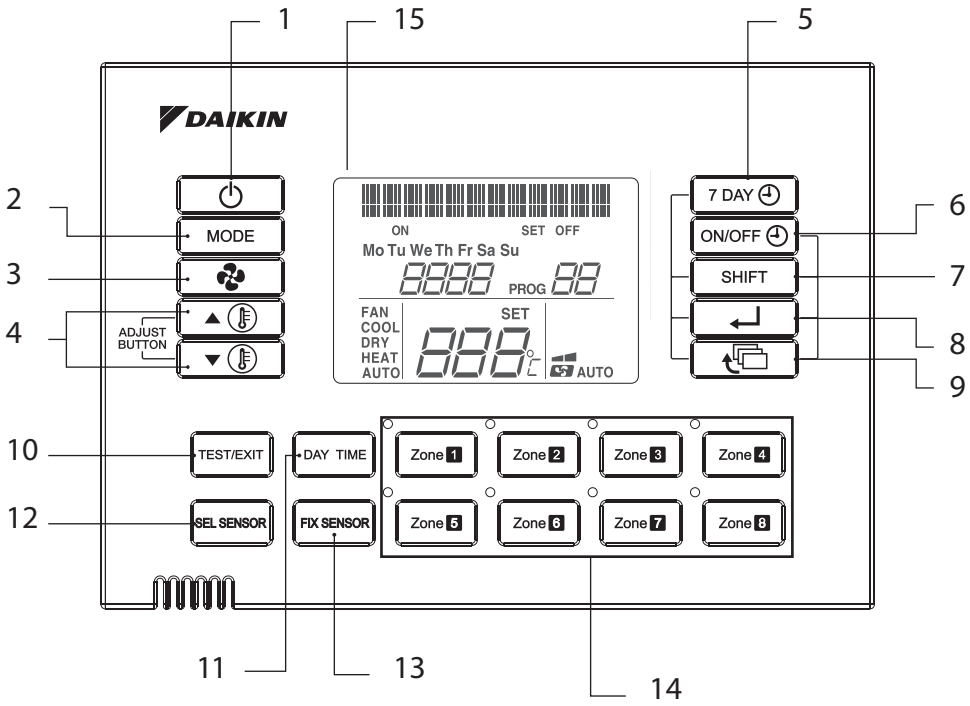
Name and Functions of Buttons



- Two remote controllers can connect to the system. In that case, the remote controllers will work as master and sub remote controllers respectively.
- The sub remote controller does not support all functions. For more details, please see the page 24 (Appendix).
- The settings in the master remote controller are reflected in the sub remote controller.

1. ON/OFF button

Press this button to turn the air conditioner ON and OFF.

2. MODE selector button

Press this button to select the AUTO/ COOL/HEAT/DRY/FAN mode.

3. FAN setting button

Press this button to select the airflow rate.

4. TEMPERATURE adjustment button

Press this button to make temperature adjustment and other settings.

5. 7 DAY TIME CLOCK button

Press this button to go to the setting display for the "S.7DayTimer" and "M.7DayTimer".

6. ON/OFF TIMER button

Press this button to set the ON TIMER and OFF TIMER.

7. SHIFT button

Press this button to change the display at the time of making settings.

8. ENTER button

Press this button to accept the settings that have been made.

9. CLEAR button

Press this button to cancel settings.

10. TEST/EXIT button

Press this button to exit programs.

11. DAY/TIME button

Press this button to go to the clock and day setting.

12. SELECT SENSOR button

Press this button for sensor selection.

13. FIXING SENSOR button

Press this button to enter the sensor selection that has been made.

14. ZONE button

Press this button to make zone settings.

15. DISPLAY

The present settings are displayed on the LCD.
(In this illustration, each section is shown with all its displays ON for the purpose of explanation.)

Preparation before Operation

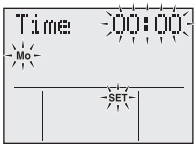
This setting can only be undertaken via the main controller only.

■ Turn the breaker ON

Turn the breaker ON if nothing is displayed on the LCD of the remote controller.

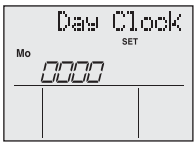
■ Time and Day Settings

1



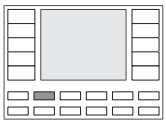
- "**Mo**", "00:00", "**SET**" : blinks
- The above appears if no time and day settings have been made yet. To change the current time and day settings, begin with **STEP 2**.

2



Press "DAY TIME button".

- The normal display will appear after a while if you do not press a button.
  In this case press the DAY TIME button" once again.



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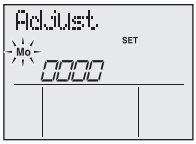
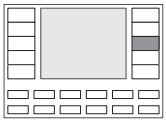


Press "SHIFT button".

- "Adjust." is displayed on the LCD.
  "**Mo**" blinks.
- Go to the day setting section.



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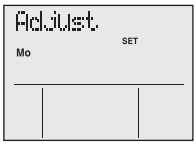
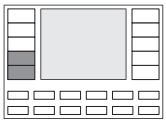


Press "▲, ▼ button" and select the day.

- Days are displayed on the LCD.

Mo → Tu → We → Th → Fr → Sa → Su



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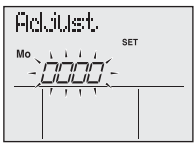
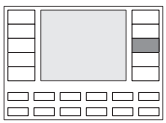
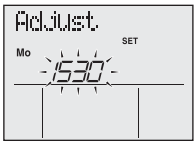


Press "SHIFT button".

- "0000" : blinks
- Go to the time setting section.

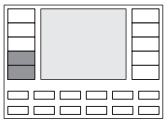


6



Press "▲, ▼ button" to adjust the present time.

- Keep pressing the button to advance the displayed time quickly.



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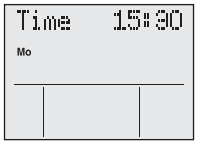
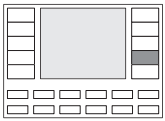


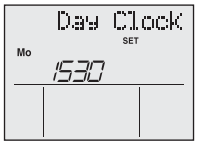
Press “ button” to enter the settings.

- The set time and day will be displayed.



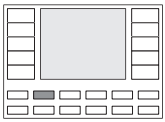
■ To cancel Time and Day Settings

1

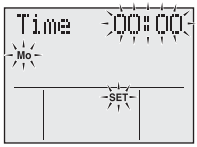


Press “ button”.

- The time and day setting screen will appear.

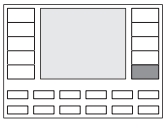


2



Press “ button” for at least 4 seconds.

- The time and day settings are cancelled.
- Set the time and date again. (page 4.)
  “**Mo**” and “**SET**” : blinks



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.

■ Please note.

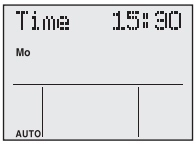
- The air conditioner always consumes a small amount of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker OFF. When air conditioning is required ensure the breaker is switched on 6 hours before operating the air conditioning system.

FAN · DRY · AUTO · COOL · HEAT 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.

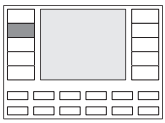
■ To start operation

1

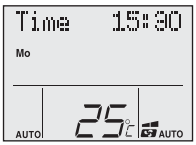


Press “ MODE button” and select an operation mode.

FAN → DRY → AUTO → COOL → HEAT

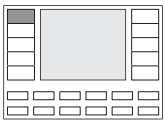


2



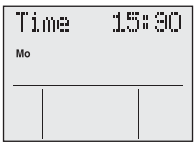
Press “ ⏻ button”.

- The air conditioner starts operating in the selected mode.



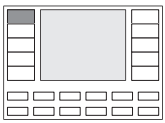
■ To stop operation

3



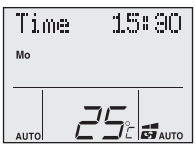
Press “ ⏻ button” again.

- The air conditioner comes to a stop.



■ To change the temperature setting

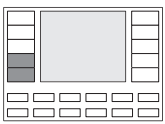
4



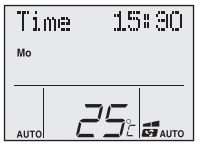
Press “ ▲, ▼ button”.

DRY or FAN mode:
The temperature setting is not available.

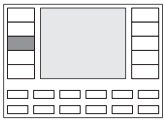
AUTO or COOL or HEAT mode:
Press “ ▲ button” to raise the temperature and press “ ▼ button” to lower the temperature.
Set to the temperature you like.
The temperature can be selected from a range of 16°C to 32°C.



■ To change the airflow setting

5 

Press "[ ] button" and select an airflow rate.



- The volume of air is selectable from three levels while the air conditioner is in eigher normal mode or AUTO(AUTO, AUTO and AUTO) fan mode.

* AIRSIDE(AUTO)function may not be available on some indoor models.

■ Note on HEAT operation

- Since this air conditioner heats the room by absorbing the heat from outdoor air and releasing the heat to the indoors, the heating capacity drops in lower outdoor temperatures.
- The heat pump system heats the room by circulating hot air around all parts of the room. After the start of heating operation, it takes some time before the room sufficiently warms.
- In heating operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to melt away the frost.
- During defrosting operation, warm air will not flow out of the indoor unit.

■ Note on COOL operation

- This air conditioner cools the room by absorbing the heat from the air within the room and releases it outside, so if the outside temperature is high, performance drops.

■ Note on DRY operation

- The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and fan strength, so manual adjustment of these functions is unavailable.

■ Note on AUTO COOL/HEAT operation

- In AUTO operation, the system selects an appropriate operation mode (COOL or HEAT) based on the room temperature at the start of the operation.

LCD while in cooling operation COOL AUTO LCD while in heating operation HEAT AUTO

- In AUTO mode, the system automatically selects the correct mode dependent on the user set point and the room temperature to maintain comfort conditions.

■ Note on AUTO fan mode

- The fan may stop while the air conditioner is in operation. In that case, if AUTO fan speed has been selected, the fan will stop for 6 minutes continuously and then operate for 30 seconds or more (depends on model). This function will occur every 6 minutes only when the room temperature is within the selected temperature range. The AUTO fan function may not behave in the manner mentioned, in that case your installer may have selected other fan settings during the commissioning of the controller.
- AUTO fan settings will only operate when the "Indoor Sens" is selected. When "Indoor Sens" has not been selected the AUTO fan function will operate the same as standard low and high speed setting. The fan will operate for a period of 30 seconds to allow the temperature sensor located in the indoor unit to sample the room air temperature.

■ Note on AIRSIDE function

- To activate the Airside function, please select the "Auto" under the Airflow settings mode.
- When operating under this "Auto" mode the Airside function is active. In this mode, the percentage of fan speed is automatically set based on the active zones and the airflow set for each zone. The Airflow per zone is set by your installer during the commissioning stage.
- The following "Auto" LCD symbol will appear while the system is operating under Airside operations. AUTO

TIMER Operation

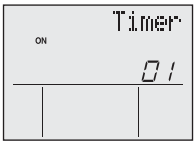
This setting can only be undertaken via the main controller only.

Timer functions are useful for automatically switching the airconditioner on or off at night or in the morning. You can also use ON TIMER and OFF TIMER in combination.

■ To use ON TIMER and OFF TIMER operation

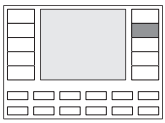
- Make sure the day of the week and time are set.
  If not, set the day of the week and time. (page 4.)

1



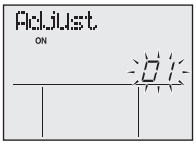
Press "ON/OFF button" to select ON TIMER or OFF TIMER.

ON → **OFF** → Normal display



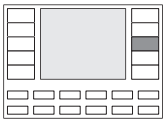
- "Timer", "**ON**" and "01" are displayed on the LCD.
- Setting other them "01" may appear if timer has been previously set.

2

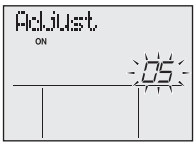


Press "SHIFT button".

- "Adjust." is displayed on the LCD.
  "01" blinks.
- Go to the time setting section.

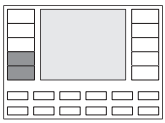


3

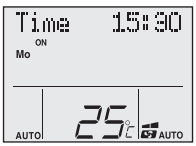


Press "▲, ▼ button" and select time.

- The time is selectable in 1 hour increments from 1 to 12 hours.

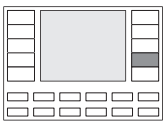


4



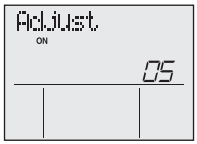
Press "↵ button".

- The timer setting is complete.
- The normal display appears again and "**ON**" or "**OFF**" is displayed.
- When the set time has passed, preset operation will start or stop.



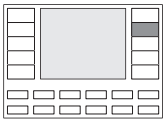
■ To cancel ON TIMER and OFF TIMER operation

1

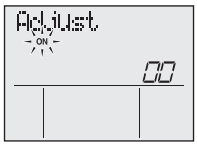


Press “ON/OFF button” to select ON TIMER or OFF TIMER.

- The timer setting is displayed.

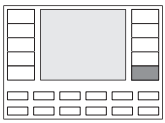


2



Press “ button” for at least 4 seconds.

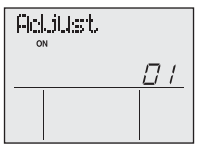
- The setting that has been made is cleared.
- When the timer is set next time, the previous setting remains.
  “**ON**” : blinks.



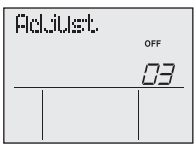
■ To combine ON TIMER and OFF TIMER

- A sample setting for combining the two timers is shown below.

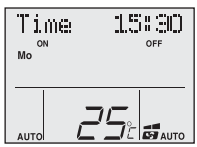
Example
ON TIMER for action after 1 hour
OFF TIMER for action after 3 hours



ON TIMER is set.

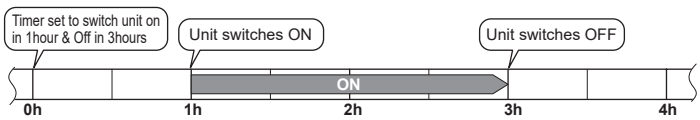


OFF TIMER is set.



Normal display

Timer Operation



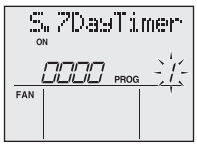
SIMPLE 7 DAY TIMER Operation

This setting can only be undertaken via the main controller only.

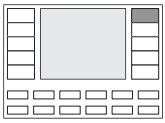
■ To use SIMPLE 7 DAY TIMER operation

- Make sure the day of the week and time are set.
  If not, set the day of the week and time. (page 4.)

1



Press "7 DAY button".

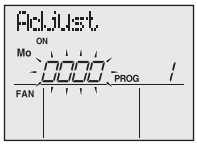


- Each time the button is pressed, the day and program number will shift.
- "S.7DayTimer" and "0000" are displayed on the LCD.
  "1" blinks.
- If required press the button for a minimum of 4 seconds to go to the MULTI 7 DAY TIMER setting section. (page 14.)

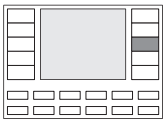
Normal display → **Mo**/1 → **Mo**/2 → **Tu**/1 → **Tu**/2 → **We**/1 → **We**/2 → **Th**/1 → **Th**/2 → **Fr**/1 → **Fr**/2 → **Sa**/1 → **Sa**/2 → **Su**/1 → **Su**/2 → Normal display

---

2

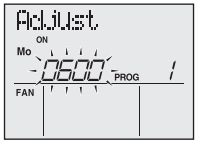


Press "SHIFT button".

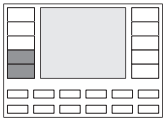


- Go to the time setting section.
- "Adjust" is displayed on the LCD.
  "0000" blinks.

3

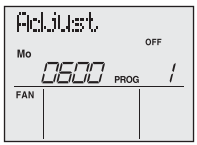


Press "▲, ▼ CL button" and select time.

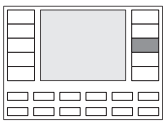


- Set the ON TIMER.
- The time is selectable in 10 minute increments between 00:00 and 23:50.
  "0600" blinks.

4

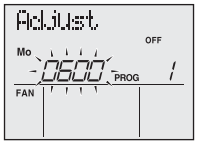


Press "SHIFT button".



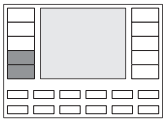
- The OFF TIMER setting section is selected.

5

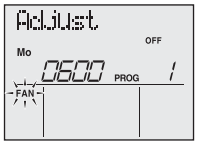


Press "▲, ▼ button" and select time.

- Set the OFF TIMER.
- The time is selectable in 10 minute increments between 00:00 and 23:50.
  "0600" blinks.

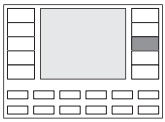


6

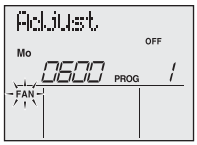


Press "SHIFT button".

- The MODE setting section is selected.
  "**FAN**" blinks.



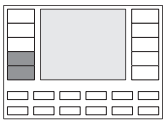
7



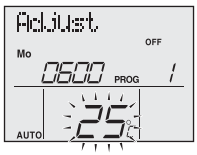
Press "▲, ▼ button" and select MODE.

- During this function the mode button is disabled.
- Select the operation mode from the following items.
  "**FAN**" blinks.

FAN → DRY → AUTO → COOL → HEAT

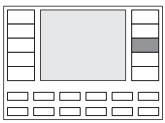


8

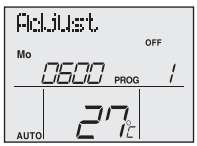


Press "SHIFT button".

- The temperature setting section is selected.
  "25℃" blinks.
- If you have selected FAN·DRY in mode setting, the display will not shift to the temperature setting. Proceed to **step 10** to complete the setting.

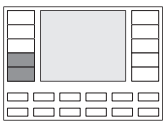


9

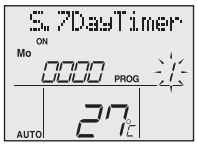


Press "▲, ▼ button" and select temperature.

- Set the temperature.

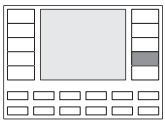


10



Press "↵ button".

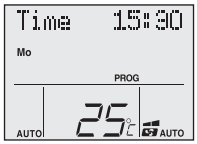
- "/" : blinks.



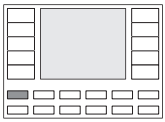
SIMPLE 7 DAY TIMER Operation

This setting can only be undertaken via the main controller only.

11



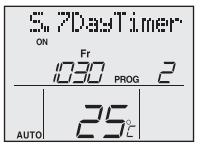
Press “TEST/EXIT button”.



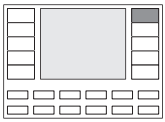
- To complete the timer setting, press “TEST/EXIT button”. The normal display appears again and “**PROG**” is displayed. Press “7 DAY button” twice to enter program 2 (If required).
- To set the timer for another day of the week, repeat the procedure from **step 1** (page10.) or refer to page 13 “copy mode” if you want to copy settings to another day.

■ To cancel SIMPLE 7 DAY TIMER operation

1

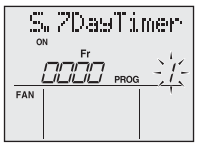


Press “7 DAY button”.

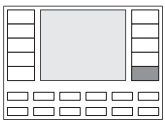


- To cancel all timer settings, proceed to **step 2**.
- To cancel timer setting individually, press “7 DAY button”, select the setting to cancel, and proceed to **step 3**.

2

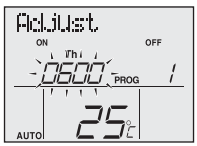


Press “ button” for at least 4 seconds.

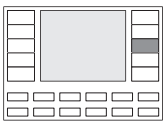


- All the timer settings are canceled.
- “S.7DayTimer” and “0000” are displayed on the LCD.
  “/” blinks.
- Press “TEST/EXIT button” or wait for a while, until the normal display appears again.
- If you have set MULTI 7 DAY TIMER, this setting is also cancelled.

3

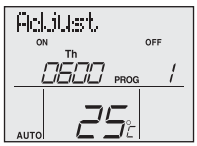


Press “SHIFT button”.

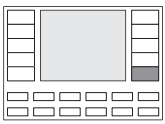


- “Adjust” is displayed on the LCD.
  “0600” blinks.

4



Press “ button” for at least 4 seconds.

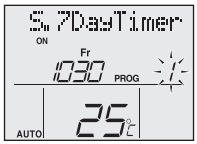


- The selected setting is cancelled.
- Press “TEST/EXIT button” or wait for a while, until the normal display appears again.

■ Setting SIMPLE & MULTI 7 DAY TIMER using copy mode

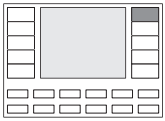
- A setting can be copied to the setting for the next day.

1

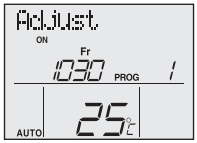


Press “7 DAY button”.

- Press the button and select the program number of the desired day of the week to copy.
  “/” : blinks.

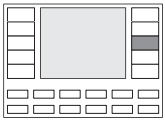


2

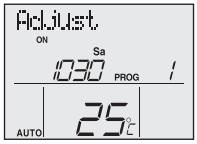


Press “SHIFT button”.

- “Adjust” is displayed on the LCD.

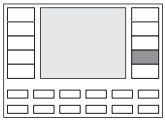


3

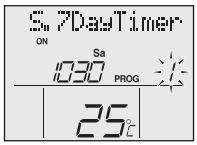


Press “↵ button” for at least 4 seconds.

- The timer setting is copied to the setting for the next day.
- Repeat using the enter button if you want to copy to other days of the week.

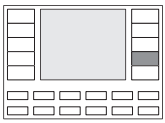


4

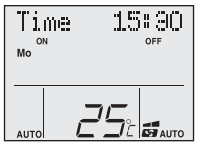


Press “↵ button”.

- “/” : blinks.

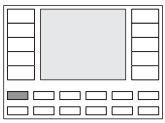


5



Press “TEST/EXIT button”.

- Once you have completed the copy mode settings press the “TEST/EXIT button” to return to normal operation mode.



NOTE

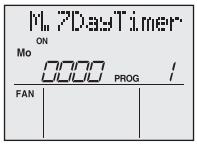
- All S. 7 DAY TIMER settings also apply to M. 7 DAY TIMER.
- For the timer setting, up to two items per day and up to 14 items per week can be set.
- Ensure to set both the on and off timer for correct time clock operation.
- Incomplete settings will be entered if the “↵ button” is pressed before all the settings are done. To abort the settings without entering them, press the “TEST/EXIT button”.
- Turning the breaker off, power outages, and other similar events may render operation of the indoor unit’s internal clock inaccurate. Reset the clock. (page 4.)
- If an incorrect setting is made or you accidentally skip a setting item, use the “SHIFT button” to scroll through the setting items until the required setting item is displayed.

MULTI 7 DAY TIMER Operation

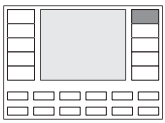
This setting can only be undertaken via the main controller only.
The Holiday Mode function allows you to disable the 7 Day Timer scheduling for an extended period of absence, and later allowing you to recover your previous schedule settings.

■ To use MULTI 7 DAY TIMER operation

1



Press “ 7 DAY button” for at least 4 seconds.

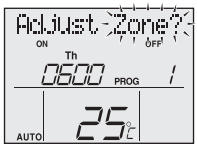


- Each time the button is pressed, the day and program number will shift.
- “M.7DayTimer” and “0000” are displayed on the LCD.
  “/” blinks.

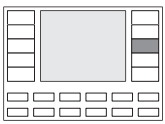
Mo / / → Mo / 2 → Tu / / → Tu / 2 → We / / → We / 2 → Th / /
Normal display
Su / 2 ← Su / / ← Sa / 2 ← Sa / / ← Fr / 2 ← Fr / / ← Th / 2

2 **The procedure for setting ON TIMER, OFF TIMER, mode selection and temperature is the same as for SIMPLE 7 DAY TIMER. Refer to steps 2 to 9 of SIMPLE 7 DAY TIMER. (page 10.)**

3

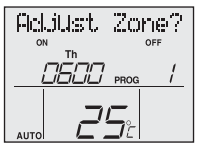


Press “ SHIFT button”.

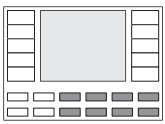


- “Adjust. Zone?” is displayed on the LCD.
  “Zone?” blinks.

4

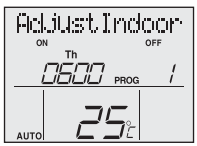


Press “ Zone 1 button”.

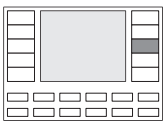


- Select the desired zones by using any of the 8 zone buttons.
- The LEDs of selected zones on the remote controller light up green.

5

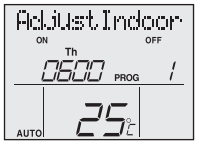


Press “ SHIFT button”.

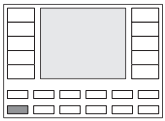


- “Adjust.Indoor” is displayed on the LCD.

6



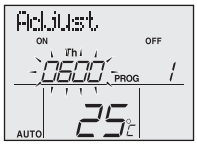
Press “ SEL SENSOR button”.



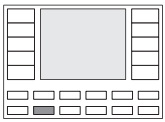
- Switch the thermistor sensor.
- Switching of thermistor sensor is available only if an optional product is installed, with the exception of master and indoor sensors.

Indoor → Sens1 → Sens2 → Master → Sub

7

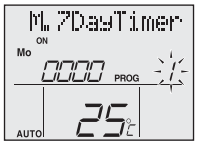


Press “ FIX SENSOR button”.

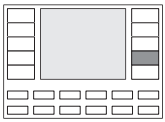


- The thermistor sensor position is fixed. “0600” blinks.

8

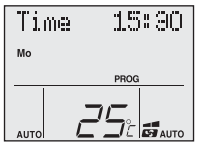


Press “ ↵ button”.

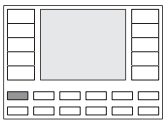


- Press “ 7 DAY button” to enter program 2, if required.
- “ / ” : blinks.

9



Press “ TEST/EXIT button”.



- The timer setting is completed.
- To set the timer for another day of the week, repeat the procedure from **step 1** (page14.) or refer to page 13 “copy mode” if you want to copy settings to another day. To complete the timer setting, press “ TEST/EXIT button”. The normal display appears again and “**PROG**” is displayed.

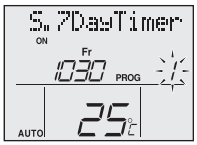
7 DAY TIMER disable (Holiday Mode)

This setting can only be undertaken via the main controller only.

This function will be used when you leave your home for a longer time.

■ To disable 7 DAY TIMER

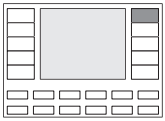
1

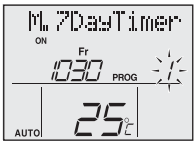


For SIMPLE 7 DAY TIMER,

Press “ 7 DAY button”.

- “S. 7DayTimer” is displayed on the LCD. “/” blinks.



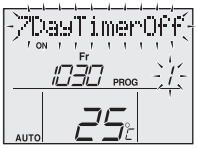


For MULTI 7 DAY TIMER,

Press “ 7 DAY button” for at least 4 seconds.

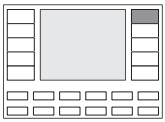
- “M. 7DayTimer” is displayed on the LCD. “/” blinks.

2

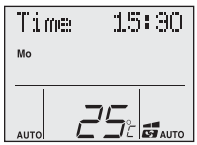


Press “ 7 DAY button” for at least 4 seconds.

- “ 7DayTimerOff ” blinks.

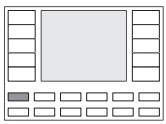


3



Press “ TEST/EXIT button”.

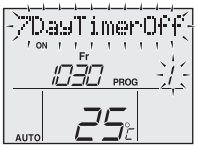
To complete the timer setting, press “ TEST/EXIT button”. The normal display appears again and “**PROG** is not displayed.



■ To enable 7 DAY TIMER

- You can exit Holiday Mode and retrieve all scheduled timer settings. (SIMPLE 7 DAY TIMER/MULTI 7 DAY TIMER).

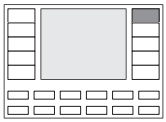
1



For SIMPLE 7 DAY TIMER,

Press "7 DAY button".

- "7DayTimerOff" blinks.
  "/" blinks.

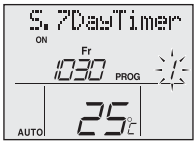


For MULTI 7 DAY TIMER,

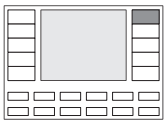
Press "7 DAY button" for at least of 4 seconds.

- "7DayTimerOff" blinks.
  "/" blinks.

2

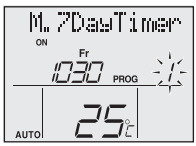


Press "7 DAY button" for at least of 4 seconds.



If you disabled SIMPLE 7 DAY TIMER,

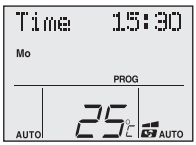
- "S.7DayTimer" is displayed on the LCD.
  "/" blinks.



If you disabled MULTI 7 DAY TIMER,

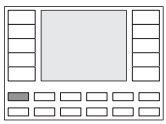
- "M.7DayTimer" is displayed on the LCD.
  "/" blinks.

3



Press "TEST/EXIT button".

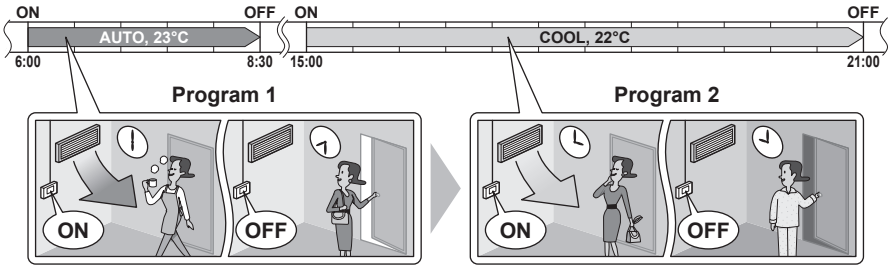
To complete the timer setting, press "TEST/EXIT button". The normal display appears again and "**PROG** is displayed.



Explanation of the 7 DAY TIMER operation

For 7 DAY TIMER operation, two types are provided: simple and multi. Use the desired type according to your lifestyle and situation. You can use this operation as follows.

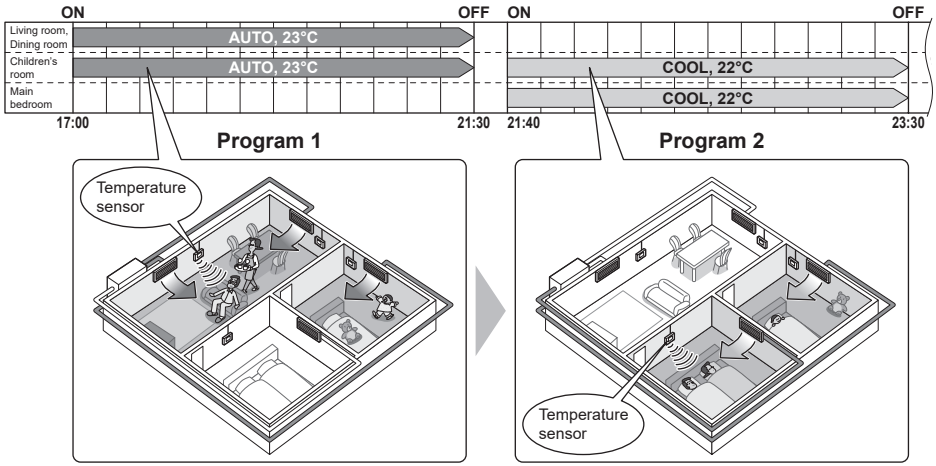
Case 1 The SIMPLE 7 DAY TIMER can be programmed to start & stop the air conditioning unit twice a day, 7 day a week. Individual modes & temperatures can also be set within each time frame.



Set unit to switch on at 6:00 and off at 8:30
Chosen mode : Auto/Set temperature : 23°C

Set unit to switch on at 15:00 and off at 21:00
Chosen mode : Cool/Set temperature : 22°C

Case 2 The MULTI 7 DAY TIMER can be programmed to start & stop the air conditioning unit twice a day, 7 day a week. Individual modes, temperatures, zones & sensor position can also be set within each time frame.



Set unit to switch on at 17:00 and off at 21:30
Chosen mode : Auto/Set temperature : 23°C
Chosen zone : Living, Dinning, Children room
Chosen temperature sensor : Living room

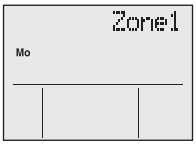
Set unit to switch on at 21:40 and off at 23:30
Chosen mode : Cool/Set temperature : 22°C
Chosen zone :Main bedroom, Children room
Chosen temperature sensor : Main bedroom

ZONE Control

For ZONE control, select the rooms you wish to heat or cool.

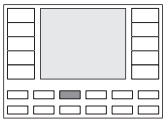
■ To select ZONE

1

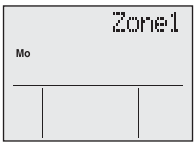


Press "Zone button".

- Select the desired ZONE number you wish to switch on.
- "Zone1" is displayed on the LCD.

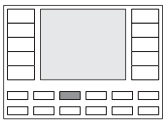


2



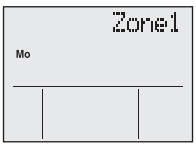
Press "Zone button" again.

- The selected zone is fixed.
- The LED on the remote controller lights up green.
- When operation is started, air is blown to the selected zone.
- For other zones, use the same procedure for setting.



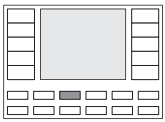
■ To cancel ZONE selection

1

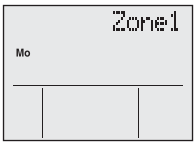


Press "Zone button".

- Select the ZONE number for which you wish to switch off.
- "Zone1" is displayed on the LCD.

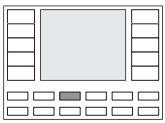


2



Press "Zone button" again.

- The selection is canceled.
- The green LED on the remote controller goes out.
- For other zones, use the same procedure for setting.



NOTE

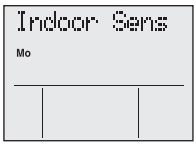
- Not all the buttons are available, depending on the number of zones installed. If a zone button not corresponding to any zone is pressed, the green LED will not be lit. Zones that are not required must be set up during the commissioning of the controller.
- You can register a name for each zone. For the method of registering, refer to the section of name registration. (page 21.)

TEMPERATURE SENSOR Switching (Option)

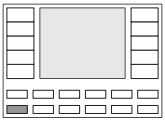
You can add up to 2 optional temperature sensors. (For example in the living room, bedroom, and so on.) By switching the detection position of the mounted temperature sensors, you can control the temperature according to the temperature of the selected room.

■ To switch the temperature sensor

1



Press “ SEL SENSOR button”.



- Each time the button is pressed, the sensor detection position will shift.
- “Indoor Sens” is displayed on the LCD.
- Each time the button is pressed, the sensor detection position will shift.

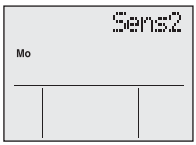
In the case of 2 sensors

Indoor Sens → Sens1 → (Indoor Sens)

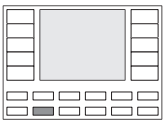
In the case of 3 sensors

Indoor Sens → Sens1 → Sens2 → (Indoor Sens)

2



Press “ FIX SENSOR button”.



- The selected temperature sensor detection position is fixed.
- To change the temperature sensor detection position, use the same procedure.

- The displayed contents of each temperature sensor vary with the setting item. Check with the following table for the characters.

Temperature sensor position	LCD shown during temperature sensor setting	LCD during 7 DAY TIMER setting
Indoor Unit	Indoor Sens	Indoor
Optional sensor 1	Sens1	Sens1
Optional sensor 2	Sens2	Sens2
Master remote controller	Master RC	Master
Optional sub remote controller	Sub RC	Sub

NOTE

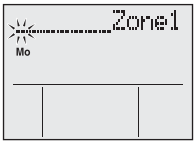
- This function is available only if optional sensors are mounted or Sub controller is connected with the exception of “Indoor Sens” and “Master RC” sensor.
- The initial setting is “Indoor Sens”.
- The temperature sensor setting can be checked by pressing “SEL SENSOR button”.
- The name of each sensor can be registered. For the method of registration, refer to the section of name registration. (page 21.)

Name registration

This setting can only be undertaken via the main controller only.
You can register a name for each zone and temperature sensor.
When you switch the zone or temperature sensor, the registered name will be displayed.

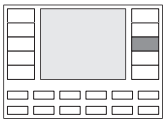
■ To register the name

1

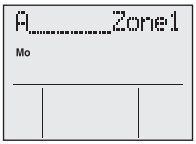


Press “SHIFT button” for at least 4 seconds.

- “Zone1” is displayed on the LCD.
- Each time the “↵ button” is pressed, the display will shift to the next zone.
  “_” blinks.

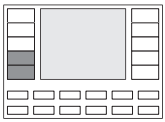


2



Press “▲ , ▼ button” to enter a character.

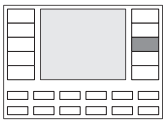
A to Z → a to z → , → 0 to 9 → blank



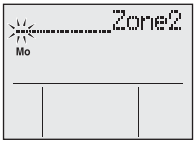
3

Press “SHIFT button”.

- The cursor moves to the next digit.
- Repeat **step 2** and **step 3** to set the name.

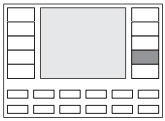


4



Press “↵ button”.

- The setting is fixed and the display shifts to the next zone.
- Each time the “↵ button” is pressed, the display will shift to the next zone.
- To complete the name change, press “TEST/EXIT button”.
  “_” blinks.



Name registration

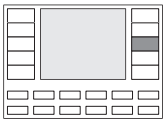
This setting can only be undertaken via the main controller only.

■ To initialize registered names

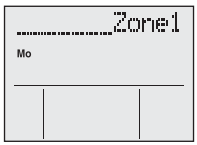
1

Press “SHIFT button” for at least 4 seconds.

- The display shifts to name setting.

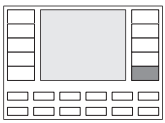


2



Press “ button” for at least 4 seconds.

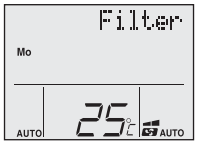
- The display returns to the initial state.



■ Filter Cleaning Notice Reset

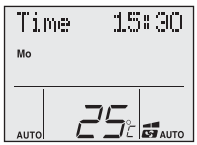
When the filter becomes dirty with dust, or the system has operated for a predetermined period of time the remote controller will notify you that filter cleaning is required. (Check the filter and see if cleaning is required.)

1



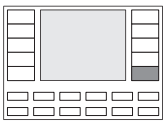
- The remote controller will display "Filter" in that case, check the filter to determine if the filter requires cleaning. Return the filter after cleaning.

2



Press "button" for at least 4 seconds.

- The normal display will appear.



Appendix

- Features Table

New Zone controller function			Main Controller	Sub Controller
User Functions	Basic Functions	Power On/Off	✓	✓
		Temperature Setting	✓	✓
		Fan Speed Setting (3step + Auto)	✓	✓
		Mode （Cool, Heat, Dry, Fan)	✓	✓
		Zone Control（Max 8 Zone)	✓	✓
	Timer Function	On Time (quick set)	✓	–
		Off Time (quick set)	✓	–
		Real Time Clock	✓	–
		Schedule Timer (7 day)	✓	–
Additional Functions		Error Codes	✓	–
		Sensor Selection	✓	✓
		Airside (Advanced Zone Airflow Control)	✓	✓
		Airbase Connectivity (*1)	✓	–
		Room Temp Display	✓	✓
		Filter Clean Reminder	✓	✓
		Filter Sign Reset	✓	–
Installer Functions		Inspection / Test	✓	–
		Field Settings	✓	–
		Use Common Zone	✓	–
		Set number of zones	✓	–
Other Functions		Free Text Zone Names	✓	–
(*1) Airbase and Sub Controller will not work together.				

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