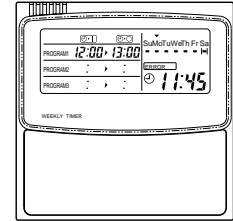


OWNER'S MANUAL

WEEKLY TIMER FOR AIR CONDITIONER (SPLIT TYPE)

<Program Weekly Timer Type>

RBC-EXW21E



Thank you very much for purchasing TOSHIBA Weekly Timer for Air Conditioner.

Please read this owner's manual carefully before using your Weekly Timer for Air Conditioner.

- Be sure to obtain the "Owner's manual" and "Installation manual" from constructor (or dealer).

Request to constructor or dealer

Please clearly explain the contents of the Owner's manual and hand over it.

FEATURES

1. Using the dialogue system, Start/Stop operations three times per one day can easily set with unit of 1 minute. The program for a week is also set up.
2. To set the holidays (public holidays, consecutive holidays, etc.), the operation reserve can temporarily cancelled.
3. The present time, the day of the week and the operation contents under execution of the program are displayed with 24-hours notation.
4. The output can be forcibly turned on without changing the program.
5. As the backup function is incorporated in this model, the reserve contents of the program are stored in memory during a power failure.

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PRECAUTIONS FOR SAFETY

WARNING

WARNINGS ABOUT INSTALLATION

- Make sure to ask the qualified installation professional in electric work to install the weekly timer for air conditioner. If the weekly timer for air conditioner is inappropriately installed by yourself, it may cause water leak, electric shock, fire, and so on.

WARNINGS ABOUT OPERATION

- When you notice something abnormal with the air conditioner (smells like something scorching, poor cooling, etc.), immediately turn off the main switch, the circuit breaker, from the mains to stop the air conditioner, and contact the dealer. If the air conditioner is continuously operated with something abnormal, it may cause machine failure, electric shock, fire, and so on.

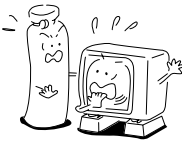
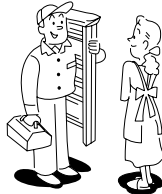
WARNINGS ABOUT MOVEMENT AND REPAIR

- Do not move or repair any unit by yourself. Since there is high voltage inside the unit, you may get electric shock when removing the cover and main unit.
- Whenever the air conditioner needs repair, make sure to ask the dealer to do it. If it is repaired imperfectly, it may cause electric shock or fire.
- When moving the air conditioner for re-installing at another place, ask the dealer to do it. If it is imperfectly installed, it may cause electric shock or fire.

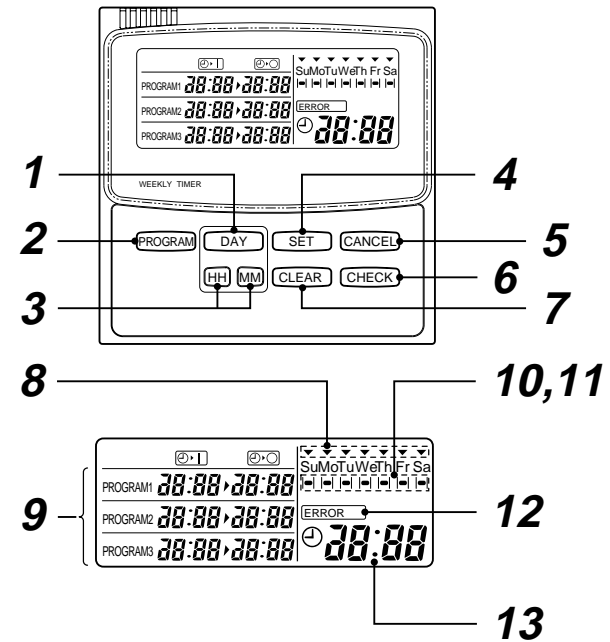
CAUTION

CAUTIONS ABOUT OPERATION

- Carefully read this manual before starting the weekly timer for air conditioner. There are many important things to keep in mind for daily operation.
- Do not use this weekly timer for air conditioner for special purpose such as preserving food, precision instruments, art objects, breeding animals, growing potted plants, etc.
- Do not touch any switches with wet finger, otherwise you may get an electric shock.
- If the air conditioner was not be used for a considerably long time, turn off the main switch or the circuit breaker, for safety. Disconnect from the power supply prevents the unit from lightning and power supply surge.
- Prevent any liquid from falling into the weekly timer. Do not spill juice, water or any kind of liquid.



NAME AND OPERATION OF EACH PART



1 Day select button

The day of the week is selected.

Each pushing, ▼ mark moves in order of Sunday → Monday → Tuesday → Wednesday → Thursday → Friday → Saturday.

2 Program button

This button is used to set up the contents of the program operation.

3 Hour/Minute button

This button is used to set the present time and ON/OFF time.

4 Timer set button

This button is used to set the day of the week, hour, minute, holiday, and ON/OFF time.

5 Cancel button

This button is used to cancel as the holiday.

6 Check button

This button is used to confirm the contents of the setting items.

7 Cancel button

This button is used to cancel the setting items.

8 Display of the present day of the week (▼ mark)

9 ON/OFF time display

ON/OFF time of the timer operation is displays.

10 Operation reserve indication (■ mark)

The day of the week when the program operation has been set is displayed.

11 Holiday setting indication (≡ mark)

The holiday is displayed (Cancel as holiday)

12 Setting error display

13 Present time display

Displays the present time displayed with 24-hours notation.

HOW TO USE THE TIMER CORRECTLY

1. Operation procedure

Power ON
Turn on the power of the air conditioner.



Program weekly timer set up
Setup of the present time
Setup of the present day of the week
Setup of the program operation for a week

2. Turn on the power supply of the air conditioner

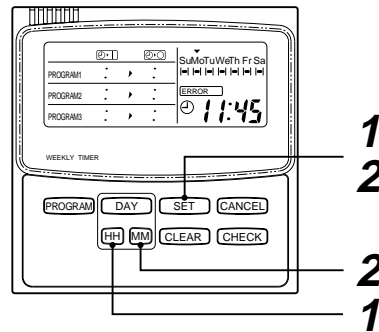
- Turn on the power supply of the air conditioner connected with a program weekly timer. (For cooling and heating, do not turn off the power supply for compressor heating.)

3. Setup of the present time

- Set the present time (Example: Case that the present time is 11:45.)

1 While push **SET** button push **HH** button to select "hour" of the present time.

- While push **SET** button each pushing **HH** button, change sequentially.
0 → 1 → ... → 10 → ... → 23 → 0
- While keep **SET** button pushed, continuous pushing **HH** button makes fast forward. (Example: Leave the finger at display of 11, you can set 11 o'clock.)
- When release **SET** button, the hour is set, and **1** mark changes flashing to light.



2 While push **SET** button push **MM** button to select "minutes" of the present time.

- While push **SET** button, each pushing **MM** button change sequentially.
00 → 01 → ... → 58 → 59 → 60
- While keep **SET** button pushed continuous, pushing **MM** button makes fast forward. (Example: Leave the finger at display of 45 you can set 45 minutes.)
- When release **SET** button, the minutes are set, and **1** mark changes flashing to light.

CAUTION

- The time cannot be changed only when **HH** button or **MM** button pushed.
- If 30 seconds have passed while the button is flashing without pushing **DAY** or **HH** / **MM** buttons, the display returns automatically to the original display (Normal display). In this case, repeat the procedure from the 1st step.

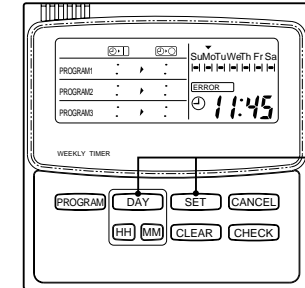
4. Setup of the day of the week

- Set the today of the week. (Example: Case of Wednesday)

1 While push **SET** button push **DAY** button to select "today" of the week.

- While pushing **SET** button, each push **DAY** button, the display of the present day of the week ▼ flashes, and the display moves in order.

▼ ▼ ▼ ▼ ▼ ▼ ▼
SuMoTuWeTh Fr Sa



CAUTION

- The day of the week cannot be changed only when **DAY** button is pushed.
- If 30 seconds have passed while the button is flashing without pushing **DAY** or **HH** / **MM** buttons, the display returns automatically to the original display (Normal display). In this case, repeat the procedure from the 1st step.

5. How to set program timer operation

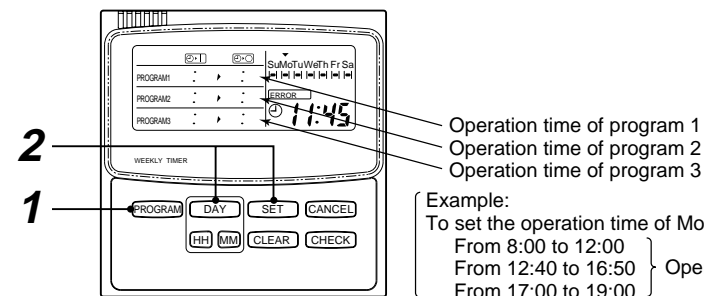
Set the present time and the present day of the week surely, otherwise the program operation is not correctly performed.

This timer can control up to 3 cycle program per day. (1 cycle or 2 cycles can be also set up.)

The following items can be set to the program operation.

- Setup of [ON] @ [OFF] time ([ON] or [OFF] only cannot be set up singly.

<Name and functions>

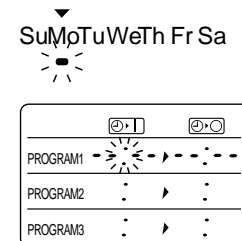


1 First push **PROGRAM** button.

- When pushing **PROGRAM** button, the reserve mark ▼ flashes.

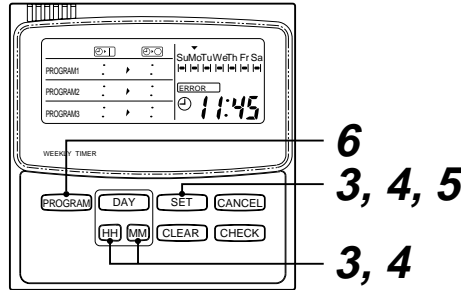
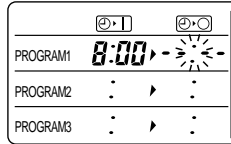
2 Push **DAY** button, select the day for operation and then push **SET** button.

When pushing **SET** button, the flashed reserve mark ▼ changes, and ON time of the program 1 flashes at the same time.



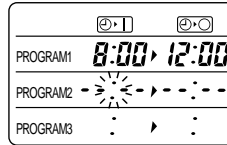
3 Set ON time by [HH], [MM] buttons, and then push [SET] button.

When push [SET] button, the flashed ON time (8:00 in example) change, and OFF time of the program 1 flashes at the same time.



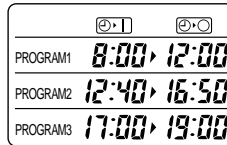
4 Set OFF time by [HH] / [MM] buttons, and then push [SET] button.

When pushing [SET] button, the flashed ON time (12:00 in example) changes, and ON time of the program 2 flashes.



5 Next set up the operation time to the program 2 and 3.

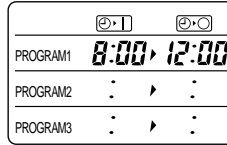
When pushing [SET] button after OFF time of the program 3 has been set, the flashed OFF time (19:00 in example) changes and ON time of the program 1 flashes.



6 Finally, push [PROGRAM] button.

Push [PROGRAM] button within 30 seconds after No. 5 step.

Then, one day timer (Monday in example) is set completely. **ON/OFF is displayed when the present time is included in the range of the set time.** (In the above status, the contents of the program 1 are displayed as the present time is included in the range from ON time to OFF time of the program 1.)



7 Setting to other day, repeat above procedure from 1 to 6.

If you need to set the same time as previous setting. Refer to "7. How to copy the program operation time".

CAUTION

- Setup of the program time : 0:00 is treated as 24:00. (Example) In the following cases, setup are available.

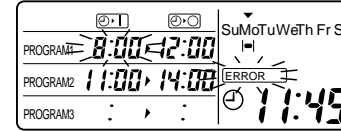
ON time	OFF time
0:00	2:00
22:00	0:00

- If 30 seconds have passed while the button is flashing without pushing [DAY] or [HH] / [MM] buttons, the display returns automatically to the original display (Normal display). In this case, repeat the procedure from the 1st step.

6. Set error

If flashing [ERROR] is displayed when the program operation has been set up, correct the time following the procedure below.

- When flashing [ERROR] is displayed, ON time of the failed program flashes.



- Push [SET] button to flash the time to be corrected.
- Using [HH] / [MM] buttons, correct ON/OFF time.
- Push [SET] button. When the setup is correctly performed, [ERROR] display disappears.
- The correction has completed by pushing [PROGRAM] button.

CAUTION

- When ON/OFF time is set as follows, [ERROR] is displayed.

- When a part of the operation time makes inroads into a part of another operation time
 Example: ON time OFF time
 8:00 12:00
 11:00 14:00
- When OFF time is ahead of ON time
 Example: ON time OFF time
 12:00 8:00
- When ON time is same as OFF time
 Example: ON time OFF time
 8:00 8:00
- ON time or OFF time is singly set up
 Example: ON time OFF time
 8:00 [Is not set]

- The following cases are not set error.

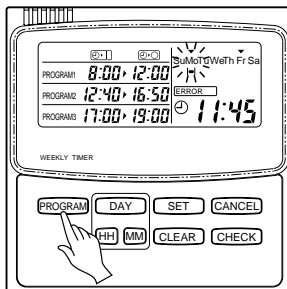
- OFF time of the previous cycle is same as ON time of the next cycle.
 Example: ON time OFF time
 8:00 12:00
 12:00 19:00
- When the next cycle is set to the time before the set time of the previous cycle
 Example: ON time OFF time ⇔ ON time OFF time
 12:40 12:50 12:40 16:50
 8:00 12:00 12:40 16:50
 Pushing the [PROGRAM] button changes the order in order of time.
- When both ON and OFF times are same 0:00
 Example: ON time OFF time
 0:00 0:00
 Continuous operation for 24 hours

7. How to copy the program operation time

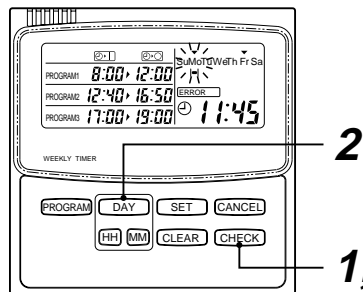
When setting the program operation, already set program can be copied and set to the other day of the week.

<Example: To copy the operation contents of Monday to Tuesday>

1. Push **[CHECK]** button in normal display.
2. Push **[DAY]** button and put the operation reserve indication **|** on the day of the week of which the program operation is already set. (Monday in the example)
3. Push **[PROGRAM]** button. Present day of the week indication **▼** and Operation reserve indication **|** flash.
4. Push **[DAY]** button and put the present day of the week indication **▼** on the day of the week to be copied. (Tuesday in the example) (For continuous copying, push **[SET]** button, and then push **[DAY]** button.)
5. Push **[PROGRAM]** button. The operation reserve indication **|** goes on under the copied day of the week.



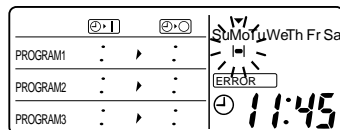
8. How to check the program operation time



- 1 Push **[CHECK]** button.

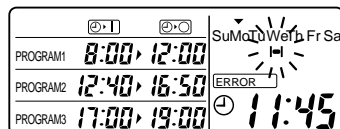
<Example: Case to check the program operation time of Wednesday in Monday>

- The operation reserve indication **|** flashes in the normal display status.



- 2 Push **[DAY]** button and put the operation reserve indication **|** on the day of the week to be checked.

- Every pushing **[DAY]** button, the operation reserve indication **|** flashes and the contents of program operation time of the day of the week on which the operation reserve indication **|** has been put on is displayed.



- 3 Push **[CHECK]** button.

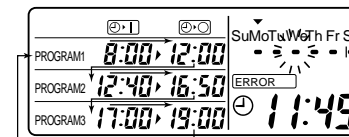
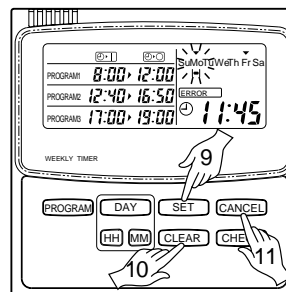
- It turns to be normal indication.

CAUTION

1. While reserve indication **|** is flashing, the display does not change even if other buttons are pushed than **[DAY]**, **[CHECK]**, and **[PROGRAM]** button.
2. If 30 seconds have passed while the reserve indication **|** is flashing without pushing **[DAY]**, **[CHECK]** or **[PROGRAM]** button, the display returns automatically to the original display. (Normal display)

9. How to change the program operation time

1. Push **[PROGRAM]** button in the normal display status.
2. Select the required day reserve mark **|** by pushing **[DAY]** button.
3. Push **[SET]** button.
4. Each push **[SET]** button, the flashing part changes in the following figure. Put the indication on the time to be changed.
5. Using **[HH]** / **[MM]** buttons, change the time.
6. Push **[SET]** button.
7. Push **[PROGRAM]** button. Then the change operation has completed.



10. How to clear the program operation

- Clear of the day of the week

- 1) Push **[PROGRAM]** button.
- 2) Push **[DAY]** button and select the reserve mark **|** to be cancelled.
- 3) Push **[CLEAR]** button. The program time disappears.
- 4) Push **[PROGRAM]** button. The operation reserve indication **|** disappears.

- Clear of a part of the program

- 1) Push **[PROGRAM]** button.
- 2) Push **[DAY]** button and select the reserve mark **|** on a to be cancelled.
- 3) Push **[SET]** button.
- 4) Push **[SET]** button again to flash ON or OFF time of the program to be cancelled.
- 5) Push **[CLEAR]** button.

Then, a part of the program has been cancelled. At the same time, the remained programs are automatically arranged.

- 6) Push **[PROGRAM]** button.

11. How to set up the holiday

- The operation reserve day can be cancelled by setting up the holiday.

- 1) Push **[CANCEL]** button. The holiday setup mark **|** flashes.
- 2) Push **[DAY]** button and select the holiday setup mark **|** on the day which the holiday is set.
- 3) Push **[SET]** button. The flashing holiday setup indication **|** changes on. (**|**)

- Clearance of [HOLIDAY] setup

- 1) Push **[CANCEL]** button.
- 2) Push **[DAY]** button and select the holiday setup mark **|** on the day to which the holiday is cancelled.
- 3) Push **[SET]** button. The holiday setup mark **|** disappears and the operation reserve mark **|** appears.

- Explanation of operation

The cancel setting day is temporarily canceled, and from the next day, the cancel setup mark **|** disappears and the operation reserve mark **|** appears.

CAUTION

- For the day which does not set timer, the cancellation cannot be set.

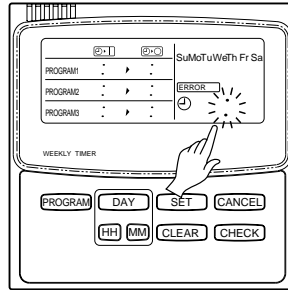
12. Matters to be memorized

1. Power failure

When a power failure occurred and the power supply has been reset, the display of the right figure appears. (A colon ":" flashes.)

• Resuming of operation

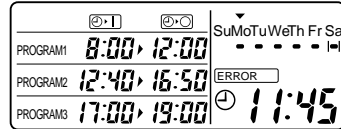
- 1) Turn on the power (breaker) of the air conditioner.
- 2) Start operation by the remote controller.
- 3) Push **PROGRAM** button of the program weekly timer. The flashing colon ":" changes to the clock display in the normal status. In this case, the program is memorized by the backup function. Therefore, it is unnecessary to set the program again.



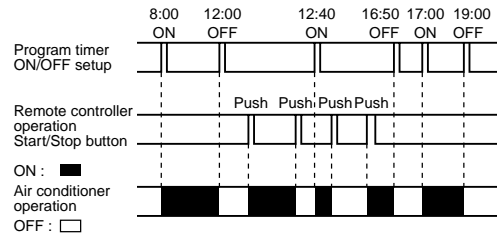
2. Operation of program weekly timer and air conditioner

An air conditioner mounted with a program weekly timer is operated on a remote controller and on the program weekly timer.

(Example)



1) Operation pattern in a day



2) Operation pattern in a week

