Save These Instructions!
Conserver ce mode d'emploi
Bewahren Sie bitte diese
Bedienungsanleitung auf.
Conservate queste istruzioni
Guarde estas instruções
Φυλάξτε τις οδηγίες αυτές
Guarde estas instrucciones
Bewaar deze gebruiksaanwijzing!

TOSHIBA

For Weekly Timer Mode Only (SDI/DI)
Pour le mode Programmateur hebdomadaire uniquement (SDI/DI)
Nur für den Zeitgeberwochenmodus (SDI/DI)
Soltanto per il modo timer settimanale (SDI/DI)
Apenas para o modo de programação semanal do temporizador (SDI/DI)
Μόνο για λειτουργία εβδομαδιαίου χρονοδιακόπτη (SDI/DI)
Solo para el modo de temporizador semanal (SDI/DI)
Enkel voor de wekelijkse tijdklokmodus (SDI/DI)

TCB-EXS21TLE

Schedule Timer	• *INSTRUCTION MANUAL*	**EG**
Temporisateur	• *MODE D'EMPLOI*	**F**
Zeitplangeber	• *BEDIENUNGSANLEITUNG*	**D**
Timer programmatore	• *ISTRUZIONI PER L'USO*	**I**
Temporizador	• *MANUAL DE INSTRUÇÕES*	**P**
Χρονοδιακόπτης προγραμματισμού	• *ΕΓΧΕΙΡΙΔΙΟ ΟΔΗΓΙΩΝ*	**GR**
Temporizador de programas	• *MANUAL DE INSTRUCCIONES*	**ES**
Tijdklok	• *HANDLEIDING*	**NE**

Made in Japan

Contents

Product Information

If you have problems or questions concerning your Air Conditioner, you will need the following information. Model and serial numbers are on the nameplate on the bottom of the cabinet.

Model No.   _____TCB-EXS21TLE_____   Serial No. _____

Date of purchase _____

Dealer's address _____

Phone number _____

DECLARATION OF CONFORMITY
This product is marked « CE » as it satisfies EEC Directive No. 72/23/EEC, 89/336/EEC, 92/31/EEC and 93/68/EEC, and conforms with following standards.

EN60335-1   EN55014-1
EN60335-2-40   EN55014-2

This declaration will become void in case of misusage and/or from non observance though partial of Manufacturer's installation and/or operating instructions.

Alert Symbols

The following symbols used in this manual, alert you to potentially dangerous conditions to users, service personnel or the appliance:

⚠ WARNING — **This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.**

⚠ CAUTION — **This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.**

OI-916-2-EG

Installation Location

- **We recommend that this schedule timer be installed properly by qualified installation technicians in accordance with the Installation Instructions provided with the schedule timer.**

⚠ **WARNING**
- **Do not install this schedule timer where there are fumes or flammable gases, or in an extremely humid space such as a greenhouse.**
- **Do not install the schedule timer where excessively high heat-generating objects are placed.**

Electrical Requirements

1. All wiring must conform to the local electrical codes. Consult your dealer or a qualified electrician for details.
2. Wiring must be done by a qualified electrician.

⚠ **CAUTION**

To warm up the system, the power mains must be turned on at least twelve (12) hours before operation. Leave the power mains ON unless you will not be using this appliance for an extended period.

Power mains

ON
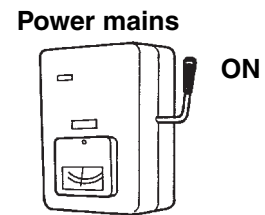
Safety Instructions

- **Read this Instruction carefully before using this schedule timer. If you still have any difficulties or problems, consult your dealer for help.**
- **The air conditioner is designed to give you comfortable room conditions. Use this only for its intended purpose as described in this Instruction Manual.**

EG

⚠ **WARNING**
- **Never touch the unit with wet hands.**
- **Never use or store gasoline or other flammable vapor or liquid near the air conditioner — it is very dangerous.**
- **The air conditioner has no ventilator for intaking fresh air from outdoors. You must open doors or windows frequently when you use gas or oil heating appliances in the same room, which consume a lot of oxygen from the air. Otherwise there is a risk of suffocation in an extreme case.**
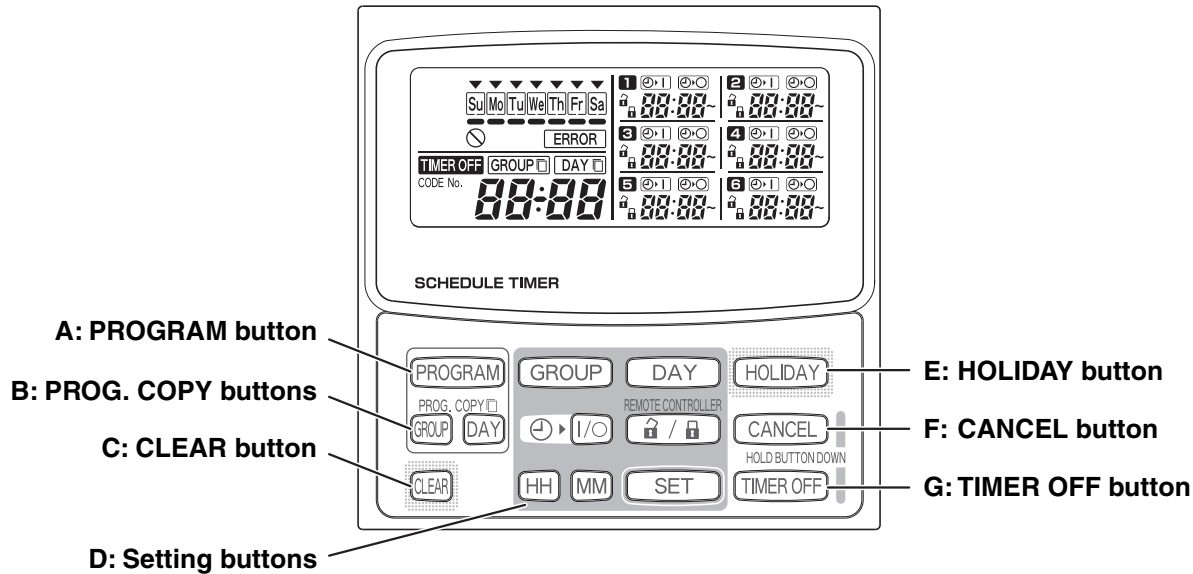
⚠ **CAUTION**
- **Do not turn the air conditioner on and off from the power mains switch. Use the ON/OFF operation button.**
- **Do not stick anything into the air outlet of the outdoor unit. This is dangerous because the fan is rotating at high speed.**
- **Do not let children play with the air conditioner.**
- **Do not cool or heat the room too much if babies or invalids are present.**

Names and Functions of Parts

■ Operating Buttons

A: PROGRAM button
B: PROG. COPY buttons
C: CLEAR button
D: Setting buttons

E: HOLIDAY button
F: CANCEL button
G: TIMER OFF button

A: PROGRAM button	Use to start setting programs and to enter program settings.
B: PROG. COPY buttons	Use to copy programs to specific days in a schedule. (Refer to page 12) The GROUP button is not used.
C: CLEAR button	Press to clear the settings of the currently displayed program. • The current program is not cleared unless the PROGRAM button is pressed after pressing the CLEAR button.
D: Setting buttons	Use to make program settings and to set the present time.
GROUP	Press to set groups for programmed operation.
DAY	Press to set today's day and days of programmed operation.
HH MM	Press to set the present time and times used in programmed operation.
⏰▸I/○	Use to start/stop indoor units via the timer.
REMOTE CONTROLLER 🔓/🔒	Not used.
SET	Use to set programmed operation trigger time. • Program settings are not entered unless the PROGRAM button is pressed at the end of setting operations.
E: HOLIDAY button	Press to set and cancel holidays during a scheduled week of operation.
F: CANCEL button	Press to cancel the current program setting operation, copying operation or holiday setting operation. When the CANCEL button is held down for 2 seconds, the current setting operation or copying operation is canceled and the normal display returns.
G: TIMER OFF button	Press to turn the timer OFF when timer operation will not be used for a long period of time. When this button is held down for 2 seconds, TIMER OFF appears on the display. Programs cannot be run until the button is again held down for 2 seconds.

• Some of these buttons are disabled when SDI/DI is used with the schedule timer in the conventional weekly timer mode. If any of the disabled buttons is pressed, ⊘ appears on the display. For more information, contact your dealer.

OI-916-4-EG

■ Display
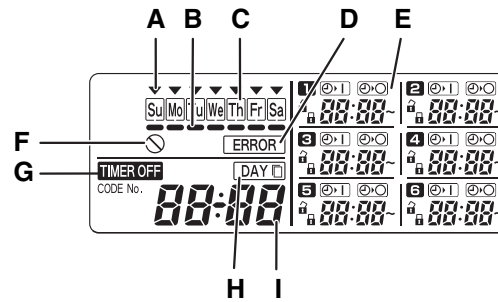
A:	Today's day of the week (▼)	Indicates today's day of the week.
B:	Program schedule indication (━)	Appears under days that are scheduled for program operation.
C:	Holiday schedule indication ( )	Appears around scheduled holidays. (Refer to page 15)
D:	ERROR indication	Displayed when a mistake is made during timer setting.
E:	Timer program	Displays set timer programs.
F:	◯ (Disabled Feature) indication	Displayed if the selected feature was disabled during installation.
G:	TIMER OFF indication	Displayed when the timer has been turned OFF.
H:	Copy mode indication	Displayed when copying a program into a day of the schedule.
I:	Present time	Displays the present time on a 24-hour clock. Also, displays settings in the various setting modes.

Using the Schedule Timer

EG

To use the schedule timer, follow the steps below.

STEP 1 **Turn ON power to the air conditioner.**
• Turn ON power to the air conditioner connected to the schedule timer.

NOTE

Do not turn off the power mains in heating and cooling seasons. (This keeps the crankcase heater electricity turned on, which protects the compressor at startup.) If the air conditioner has been OFF for a long period of time, turn on power 12 hours before starting operation.

STEP 2 **Make the initial settings of the schedule timer.**
• Set the present time and today's day of the week. (Refer to page 6)

**STEP 3** **Set up programs of the schedule timer.**
• Make settings for programmed operation. (Refer to page 8)

■ Setting the Present Time

Set the present time. (Example: When the present time is 12:45)

STEP 1 **Hold down the SET button and press the HH button to set the hour.**
- The hour increases one hour at a time with each single press of the HH button while the SET button is held down.
- The hour scrolls rapidly when both the SET button and HH button are held down. (Example: To set 12:00, release the HH button when "12" is displayed.)
- When the SET button is released, the hour is set and the indication changes from blinking to lighting.
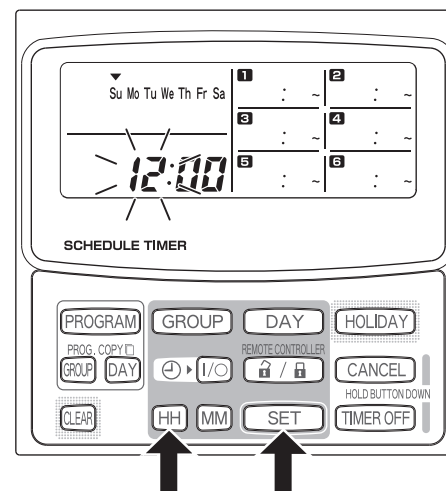
STEP 2 **Hold down the SET button and press the MM button to set the minutes.**
- The minutes increase one minute at a time with each single press of the MM button while the SET button is held down.
- The minutes scroll rapidly when both the SET button and MM button are held down. (Example: To set 00:45, release the MM button when "45" is displayed.)
- When the SET button is released, the minutes are set and the indication changes from blinking to lighting.
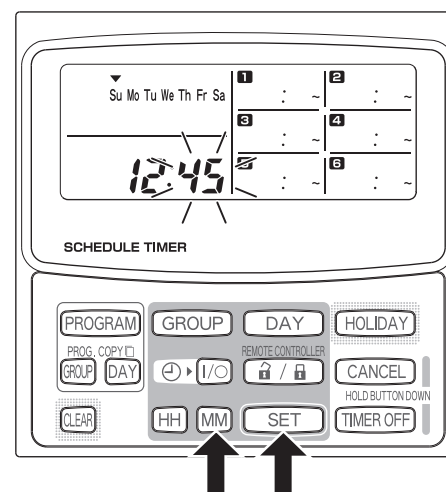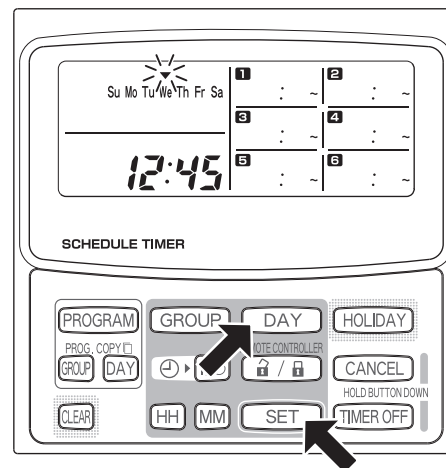
NOTE
- **Pressing just the HH or MM button does not change the time.**

6

■ Setting Today's Day of the Week

Set today's day of the week. (Example: When today is Wednesday)

STEP 1　**Hold down the SET button and press the DAY button to set today's day of the week.**

- ▼ blinks and moves one day at a time across the days of the week with each single press of the DAY button while the SET button is held down.
- When the SET button is released, the day of the week is set and the ▼ changes from blinking to lighting.

```
┌──────────────────────────────────────────┐
│                        \ /                 │
▽ → ▽ → ▽ → ▼ → ▽ → ▽ → ▽
Su   Mo   Tu   We   Th   Fr   Sa
```

NOTE

- **Pressing just the DAY button does not change the day of the week.**

EG

■ Setting Up Programmed Operations

Correctly set the present time and today's day of the week.
Unless both are correctly set, the programs will not run as expected.

- Up to 3 programmed operations can be set per day for day of the week.
- To change the settings of an existing program, use the same below procedure used to set up a new program.

Example settings

STEP 1 **Press the PROGRAM button**
- When the PROGRAM button is pressed, today's day of the week start blinking and the present time indication changes to a blinking "PG-1".
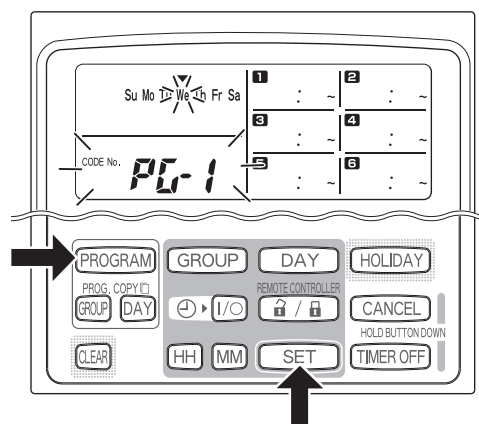
STEP 2 **Press the DAY button and select a day of the week for programmed operation.**
- When the SET button is pressed, the program schedule marker (━) changes from blinking to lighting and, at the same time, the time set in program **1** starts blinking. Also, the present time indication changes to a blinking "PG-2".

NOTE
- The currently selected day of the week blinks slowly at this time.

8
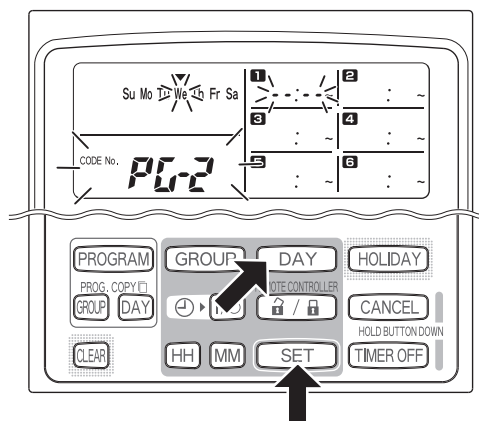
STEP 3   **Set the ON time and OFF time, and press the SET button.**
- Set the trigger time with the HH and MM buttons, and press the SET button.
- When the SET button is pressed, the ON time changes from blinking to lighting and, at the same time, the OFF time starts blinking.
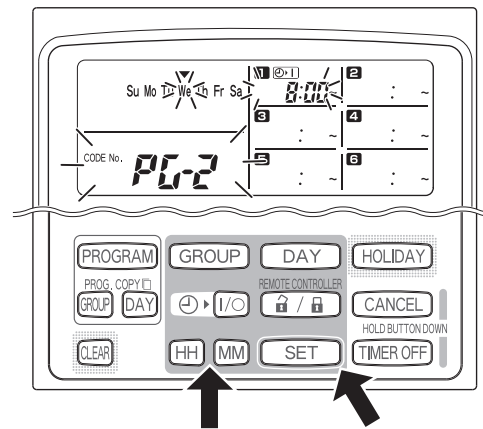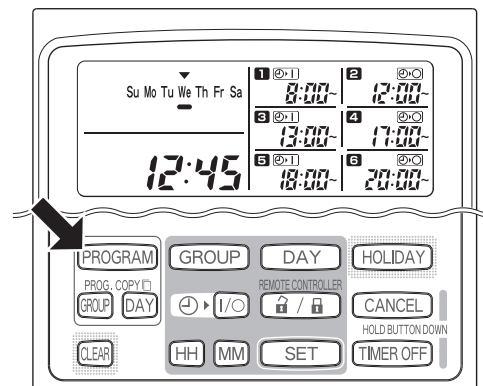
STEP 4   **Set up programs in the same way.**
- When the SET button is pressed, settings are automatically arranged in the order of earliest time first.
- If the SET button is pressed without any new settings being made in the program, program **1** starts blinking again and settings can be changed.
- Similarly, if the SET button is pressed with the third program set up, the first program starts blinking.
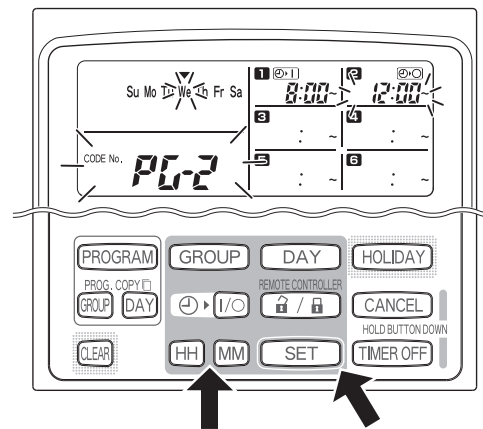
STEP 5   **Press the PROGRAM button.**
- Program settings are entered and the normal display returns.

EG

STEP 6   **Set up programmed operation for other days of the week in the same way.**
Programs that have already been set up can be copied into other days of the week. (Refer to page 13)

NOTE

- **A "0:00" time setting is interpreted to mean 12:00 midnight.**
- **To cancel program settings during program setup (while "PG-1" or "PG-2"is blinking on the display), hold down the CANCEL button for more than 2 seconds. The normal display returns.**
- If settings are canceled without pressing the PROGRAM button, settings are not entered.

■ Setting Errors

If "ERROR" is displayed (the ERROR indication blinks) while the programmed operation is set up, correct the set time using the following steps.

If Program Times Are the Same
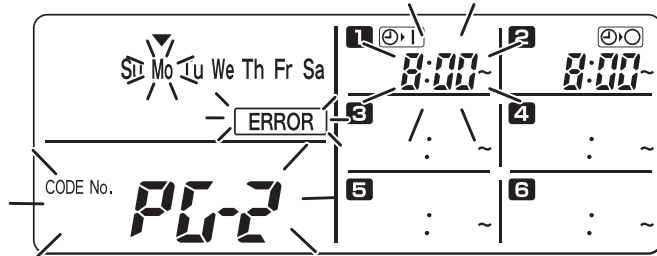
STEP 1   Every time the SET button is pressed, ON time and OFF time of the error program switch alternately. Select the program to be corrected.

STEP 2   Change the time setting with the HH and MM buttons.

STEP 3   Press the SET button and check "ERROR" is not displayed.

STEP 4   Press the PROGRAM button to end the setting mode.

The following ON time/OFF time settings generate an error.

1) When operating times overlap

Example:
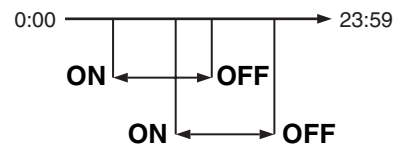
2) When OFF time is earlier than ON time

Example:
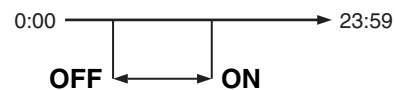
3) When ON time and OFF time are equal

Example:

4) When only ON time or OFF time is set
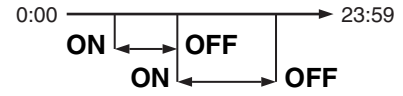
Example:

Example Time Settings That Do Not Cause Errors
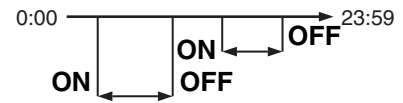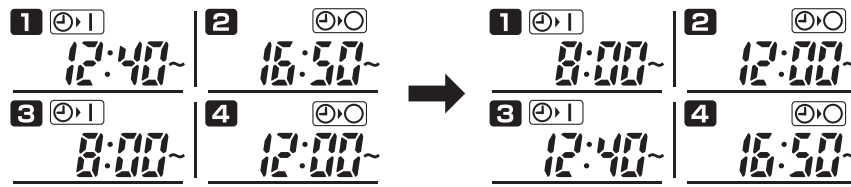
The time settings below generate no error.

1) When OFF time of the preceding cycle equals ON time of the following cycle

Example:

1 ⏱▸I	**2** ⏱▸○
8:00~	*12:00~*
3 ⏱▸I	**4** ⏱▸○
12:00~	*19:00~*

0:00 ──────────────────► 23:59
ON ◄──► OFF
　　ON ◄──► OFF

2) The operating time zone of the latter cycle is earlier than OFF time of the former cycle

Example:

1 ⏱▸I	**2** ⏱▸○
12:40~	*16:50~*
3 ⏱▸I	**4** ⏱▸○
8:00~	*12:00~*

➡

1 ⏱▸I	**2** ⏱▸○
8:00~	*12:00~*
3 ⏱▸I	**4** ⏱▸○
12:40~	*16:50~*

0:00 ──────────────────► 23:59
ON ◄─┐ ON ◄──► OFF
　　OFF

When the PROGRAM button is pressed, time settings are arranged in order of operating time zones.

3) When ON time and OFF time are *0:00*

Example:

1 ⏱▸I	**2** ⏱▸○
0:00~	*0:00~*

➡

| **1** ⏱▸I	**2** ⏱▸○
0:00~	*24:00~*

When the SET button is pressed, *24:00* appears allowing the 24-hour operation.

EG

■ How to Check Program Times

You can check the programmed times fo day of the week.

STEP 1   **Press the DAY button.**
- When the DAY button is pressed the first time, tomorrow's day of the week starts blinking and the program settings for tomorrow are displayed.
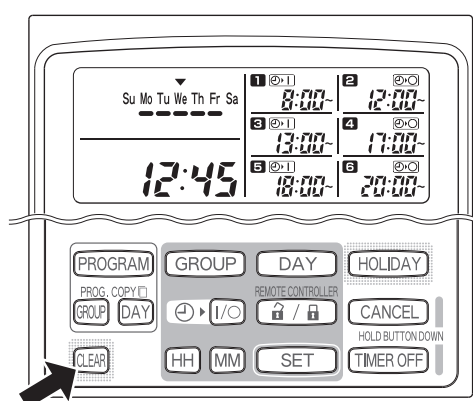- Every time the DAY button is pressed, the program settings change in order of the days of the week.
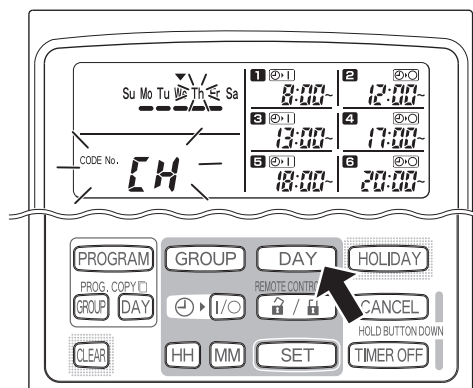
STEP 2   **End checking.**
- Press the CLEAR button. The normal display returns.

NOTE
- Holding down the CANCEL button for more than 2 seconds also returns the normal display.

OI-916-12-EG

■ How to Copy Program Times

You can copy the already set program of one day into another day (Day Program Copying).

**Example of Day Program Copying
(Copying Monday's program into Tuesday)**


How to Copy Day Programs

STEP 1   **Press the PROG. COPY DAY button.**
- The present day of the week indication ▼ starts blinking and the present time indication changes to a blinking "CP-1".
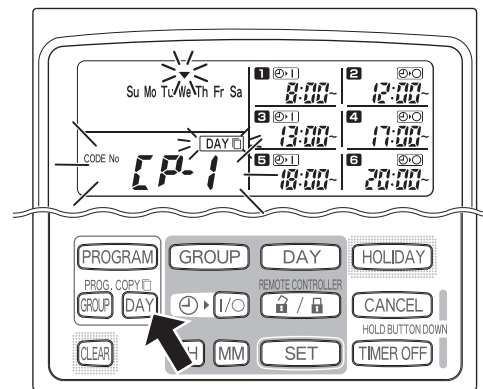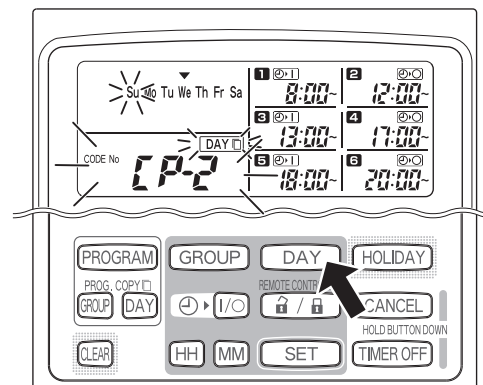

STEP 2   **Select a source day program to copy.**
- Every time the DAY button is pressed, the ▼ moves across the days of the week display, therefore select a day of the week that will serve as the copy source.
- Once having selected the copy source day, press the SET button to set it. The display changes to key you to select a copy destination day.
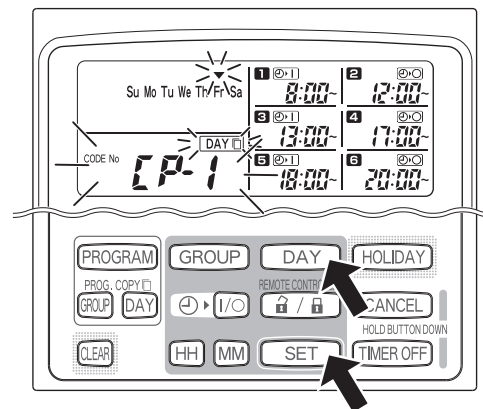
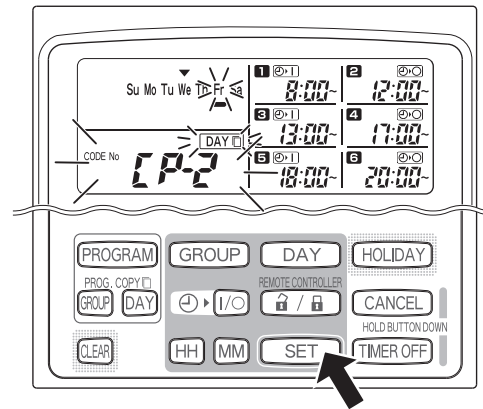**STEP 3**   **Select a copy destination day.**
- When the schedule timer is ready for you to select a copy destination day, "CP-2" starts blinking in the present time display area, while the selected copy source day blinks in the days of the week. Therefore, select a day of the week as the copy destination, using the DAY button.

EG

STEP 4 **Press the SET button to copy.**
- Press the SET button and the program schedule marker ( ) will be displayed.

**STEP 5** **Select other copy destination days if desired.**
- You can copy the selected source day program into other days by repeatedly pressing the DAY button to select a day of the week followed by the SET button to set it.

NOTE
- Pressing the CLEAR button extinguishes the program schedule marker ( ) and cancels the copy operation.
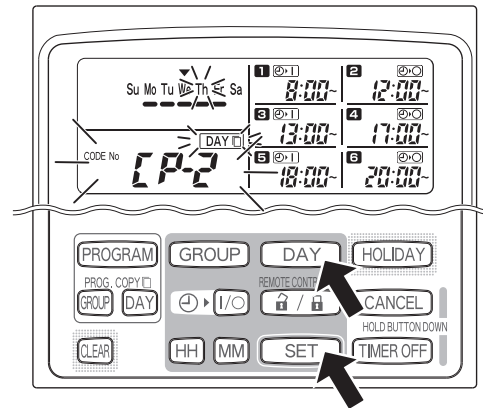
STEP 6 **Press the PROG. COPY DAY button to enter the copied program in the selected days.**
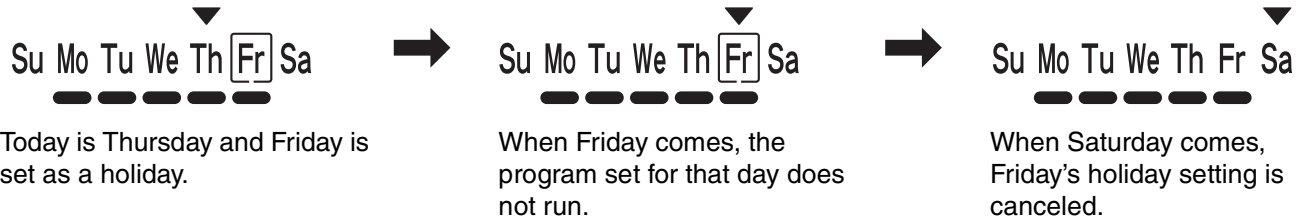- The normal display returns.
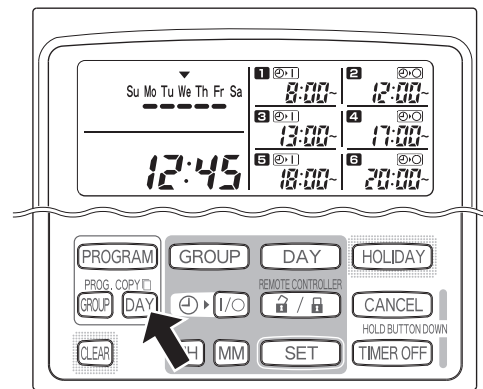
NOTE
- **If a program already exists in the copy destination day, the newly copied program overwrites the existing program.**
- **If you accidentally copy over a program in the day program copy mode, holding down the CANCEL button for more than 2 seconds returns the program to the point prior to pressing the PROG. COPY DAY button in STEP 1. (All changes and copy operations made up until that point are cleared.)**

■ How to Set Holidays in a Scheduled Week of Operation

Operations programmed for a specific day during the week can be temporarily disabled by setting that day as a holiday.

- When the set holiday passes, the holiday setting is canceled and operation is resumed as programmed the following week.
- Holidays can be selected for the week starting from today's day. If today is selected as a holiday, the holiday setting is canceled from the next programmed operation. (Depending on the program, if the program is currently running, the program may not stop.)

Example Setting

Su Mo Tu We Th Fr Sa ➡ Su Mo Tu We Th Fr Sa ➡ Su Mo Tu We Th Fr Sa

Today is Thursday and Friday is set as a holiday.

When Friday comes, the program set for that day does not run.

When Saturday comes, Friday's holiday setting is canceled.

STEP 1 **Press the HOLIDAY button.**
- "HL" starts blinking in the present time display area and today's day of the week starts blinking.
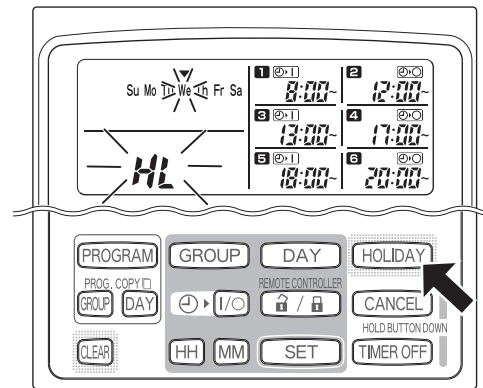
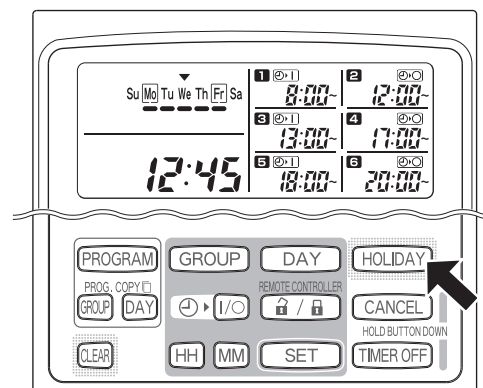**STEP 2** **Select a day as the holiday using the DAY button, and press the SET button.**
- A "☐" appears over the selected holiday.
- To select other holidays, select a day using the DAY button and set it with the SET button.
- If you made a mistake or want to cancel a holiday, press the CLEAR button.

EG
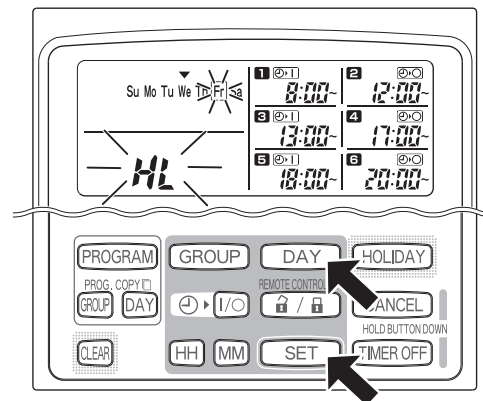
STEP 3 **Press the HOLIDAY button to enter the holiday.**
- The normal display returns.
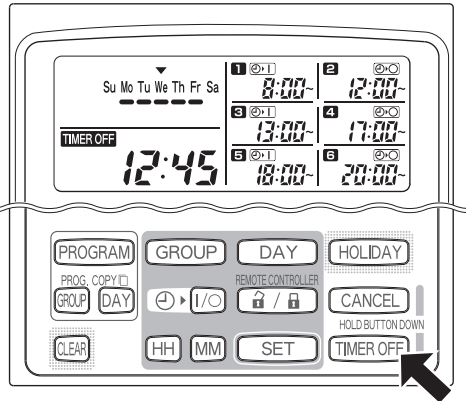
■ How to Disable the Timer Operation

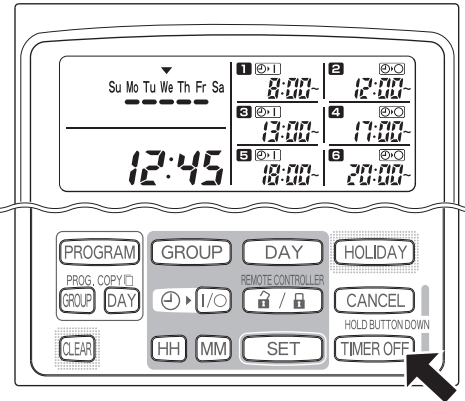To halt programmed operation for one week or more, you can disable all timer programs.
• Once the timer has been disabled, programmed operations are not run until the below procedure is performed.

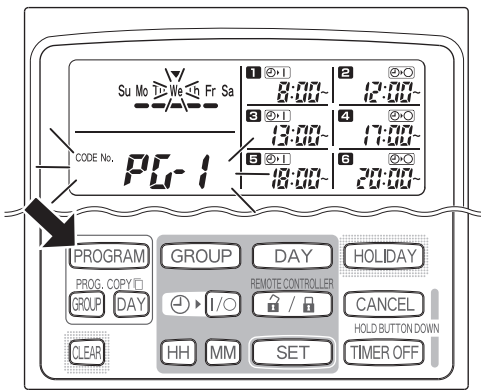| **Hold down the TIMER OFF button for more than 2 seconds**	**To turn the timer back ON, hold down the TIMER OFF button for more than 2 seconds**
• **TIMER OFF** appears on the display. The timer is disabled from the next scheduled program.	• **TIMER OFF** goes out and the timer is enabled from the next scheduled program.

■ How to Clear Programs

Press the PROGRAM button.

• When the PROGRAM button is pressed, the present day of the week starts blinking and the present time indication changes to a blinking "PG-1".

NOTE

• Holding down the CANCEL button for more than 2 seconds returns the program to the point prior to pressing the PROGRAM button. (All operations made up until that point are cleared.)

To cancel specific days
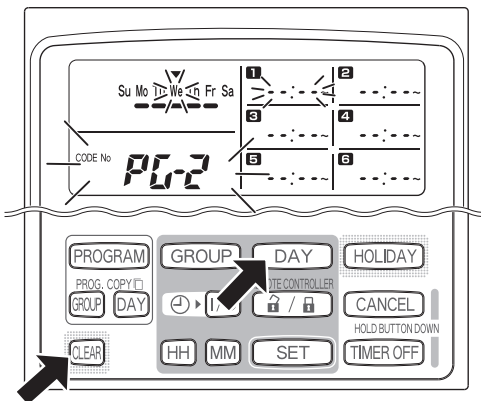
• Select a day to be deleted using the DAY button and press the CLEAR button. The program contents are completely cleared. The display appears as shown above.
• Press the PROGRAM button to enter the clear operation. The normal display returns without the program schedule marker ( ) underneath the days of the week.

To cancel individual programs on specific days
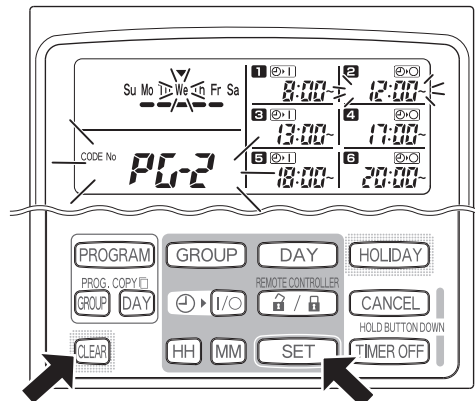
• Select a day and press the SET button. Programmed operations start blinking in rotation from the first one. Press the CLEAR button when the programmed operation to be cleared starts blinking. (The remaining programmed operations are automatically arranged in chronological order.)
• Press the PROGRAM button to enter the clear operation. The normal display returns.

Example:
Display after the second program was cleared from the display content above

EG

Important Information to Remember

1. Power Outages

If the battery incorporated in the schedule timer ran out and the power of the air conditioner was lost and then the power has been restored, the following display appears with the colon ":" of the present time blinking. Pressing the PROGRAM button restores the normal display screen. If the present time is within the programmed operation time zone, the air conditioner starts running.

• Program settings are retained in the non-volatile memory of the schedule timer, therefore they are not cleared in the event of a power outage. Also, the present time and today's day of the week are retained for a maximum of 100 hours by the internal battery.
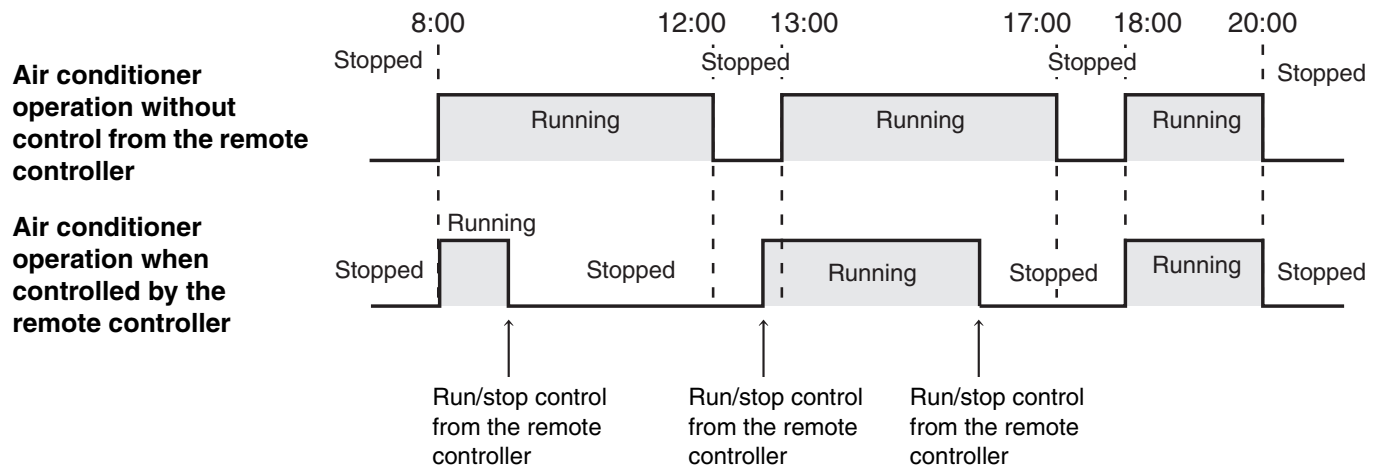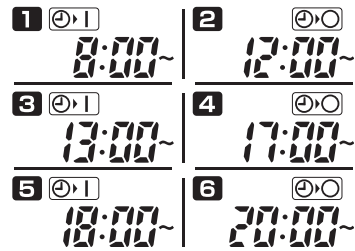
Schedule timer settings (Example)
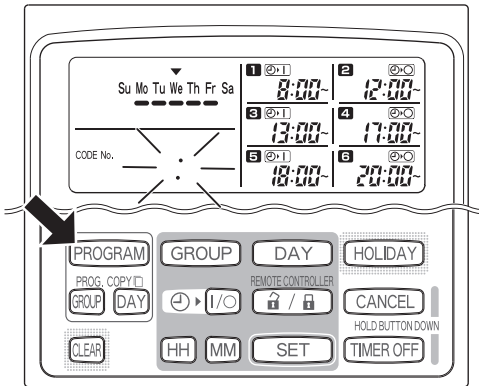
2. Schedule Timer and Air Conditioner Operation

Air conditioners provided with a schedule timer operate according to either the control of a connected remote controller or programmed operations using the schedule timer.

Schedule timer settings (Example)

OI-916-18-EG

Troubleshooting

Before requesting servicing, check the following.

Trouble		Cause/Remedy
Check before requesting servicing	Air conditioners do not operate as scheduled when the set time comes.	The timer has been disabled. (Refer to page 16) A holiday has been scheduled. (Refer to page 15)
	The present time indication is a blinking "：".	There was a power outage. Press the PROGRAM button. (Refer to page 18.)
	88:88 blinks in the present time display area.	Power to the air conditioner was lost for a long period of time. Set the present time and today's day of the week again. (Refer to page 6 and 7)

If trouble persists despite taking the above action, stop the schedule timer, turn off the unit and report the serial number and problem to your dealer. Never service the unit yourself as this is dangerous.

EG

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