

*Operating  
Instructions*

AUDIO DIGITAL TIMER

**DT-5**

CF2902344M

S  
S/G



**IMPORTANT NOTICE**

DT-5 is designed to operate from 110V, 120 V, 220 V or 240 V main. Before turning on the power, please confirm that the settings of the line voltage selector switch and line frequency selector switch are set correctly for use in your area; if not, change the setting as described in "BEFORE USE" on page 2.

 **PIONEER®**

*Lung Saft*

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## BEFORE USE

Before plugging the power cord into the wall socket, please confirm that the settings of the line voltage selector switch and line frequency selector switch are set correctly for use in your area. If they are not set properly, change the settings as follows.

### LINE VOLTAGE SELECTOR SWITCH (Fig. A)

Before adjusting, disconnect the power cord.

1. Prepare a medium size screwdriver.
2. Insert the screwdriver into the arrow on the voltage selector and adjust so that the tip of the arrow points to the voltage value of your area.

### REAR PANEL FACILITIES

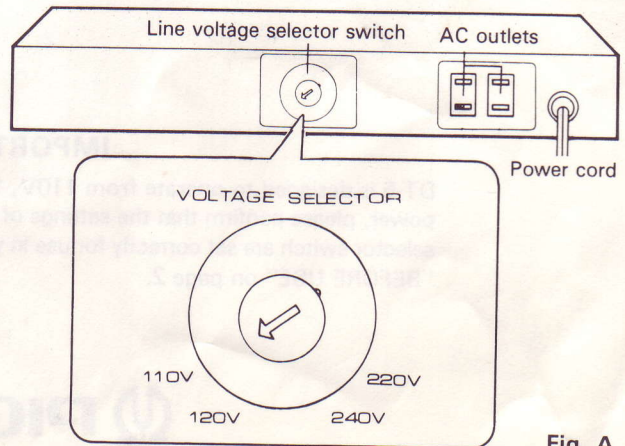


Fig. A

## LINE FREQUENCY SELECTOR SWITCH (Fig. B)

Set the switch to the position corresponding to the power line frequency (50 Hz or 60 Hz) used in your area. Remember that if this switch is not set properly, the time display of the clock function will be thrown out of sync.

If you do not know what the power line frequency in your area is, ask your dealer.

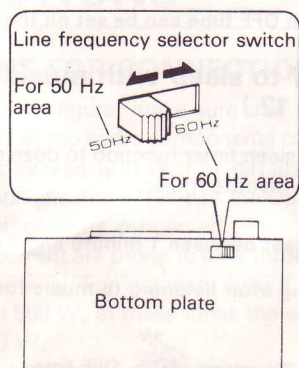


Fig. B

## POWER OUTLETS

This timer is designed for audio applications. Make sure that the total power consumption of the electrical equipment connected to it is not more than 500 watts. Do not connect any appliances such as a TV set which will cause an excessively high level of current to flow through the timer when the power switch is set to ON. For details on the power capacity of the appliances which may be connected, turn to page 5.

## POWER CORD HANDLING

- Connecting the power cord to other cords or joining cords together can cause fire and electric shocks, and thus is extremely dangerous.
- Take hold of the power plug itself when connecting and disconnecting the power cord. Never perform these operations with wet hands since you may receive an electric shock.
- Remember to disconnect the power plug from the outlet when you do not intend to use the unit for a prolonged period of time.

## POWER FAILURE WINKING INDICATION

When the timer's power plug is connected to, or disconnected from, the household power outlet, "AM 12:00" or "0:00" will wink on the time display.

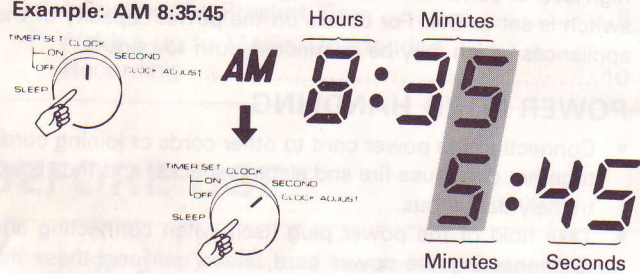
If this display is found flashing after you return home, it means that there was a temporary power failure while you were out.

# APPLICATION

## ■ Indicating the present time (hours, minutes & seconds) (See page 8.)

The present time is indicated in units of hours, minutes and seconds. If there has been a power failure while you were asleep or out, the time display will wink.

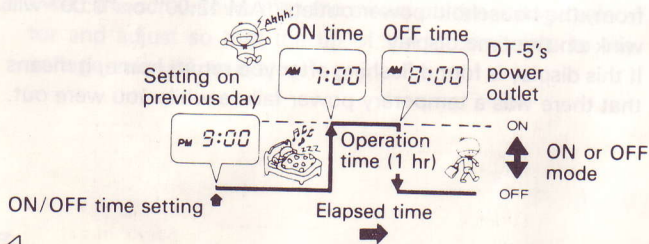
Example: AM 8:35:45



## ■ Waking up to music/unattended recording (See page 10.)

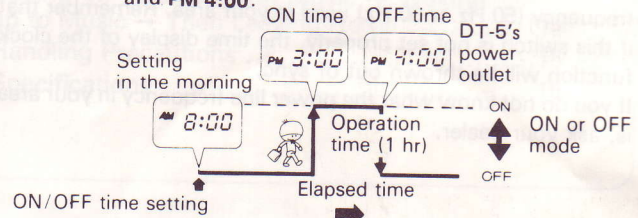
- When combined with the stereo equipment in your possession, the timer can play a radio program or tape at the desired time every day and then switch off the equipment also at the desired time.

Example: Waking up at AM 7:00 and leaving home at AM 8:00



- When combined with the tape deck and tuner, the timer can record radio programs unattended.

Example: Recording programs unattended between PM 3:00 and PM 4:00.



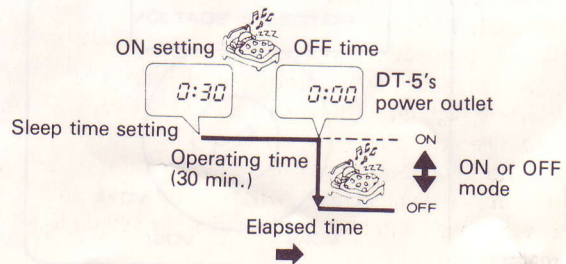
One ON and one OFF time can be set on the timer in a 24-hour period of time.

## ■ Dozing off to sleep with music (See page 12.)

You can use the sleep timer function to doze off to sleep while listening to your favorite music.

The time can be set between 1 minute and 1 hour 59 minutes.

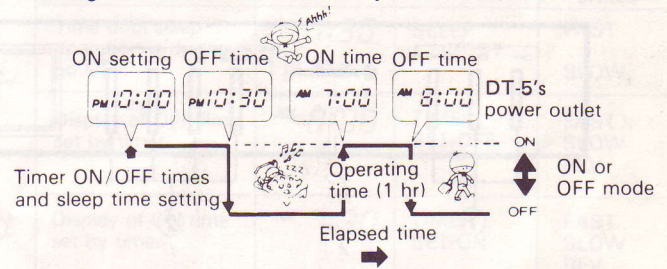
Example: Sleeping after listening to music for 30 minutes.



■ **Dozing off to sleep with music → waking up to music → then leaving home** (See page 14.)

The sleep timer function and timer settings (ON/OFF times) can be used in combination.

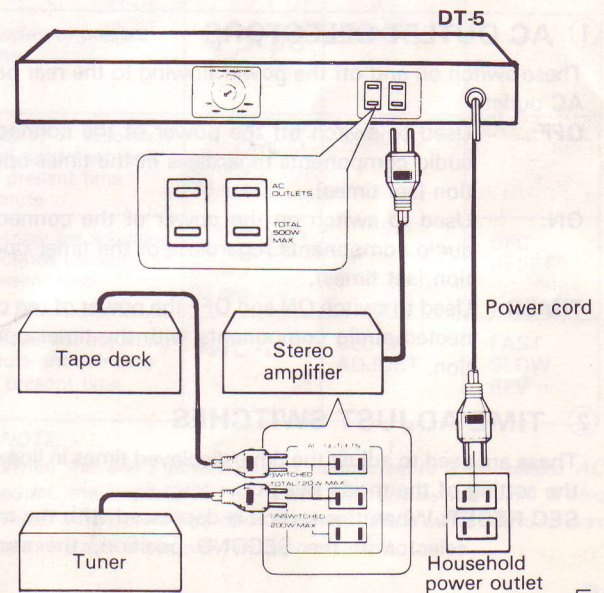
Example: You go to bed at PM 10:00 while listening to music, the music is switched off at PM 10:30, you wake up the following morning to music at AM 7:00 and you leave home at AM 8:00.



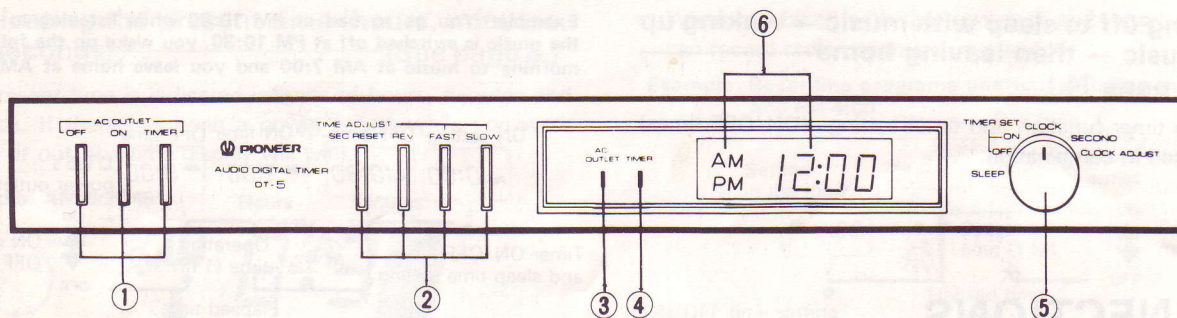
## CONNECTIONS

### PRECAUTIONS FOR CONNECTIONS

- As indicated in the figure, make sure that the total power consumption of all the audio components connected to the DT-5 does not exceed 500 W. For details on the power consumption specifications, refer to the Operating Instructions of the components concerned.
- High levels of current are prone to flow through audio components momentarily. For instance, even if the total power consumption is 500 W, at these times the actual figure will be nearly 1,000 W.
- Do not connect electrical appliances (such as TV sets or power amplifiers with a power consumption of over 200 W) in which high levels of current are prone to flow at the instant when the power switch is set to ON.
- Do not connect electrical appliances (such as irons, heaters, air conditioners) whose power consumption exceeds the indicated value since this may result in a fire or malfunction.



# FRONT PANEL FACILITIES



## ① AC OUTLET SELECTORS

These switch on and off the power flowing to the rear panel AC outlets.

**OFF:** Used to switch off the power of the connected audio components regardless of the timer operation (set times).

**ON:** Used to switch on the power of the connected audio components regardless of the timer operation (set times).

**TIMER:** Used to switch ON and OFF the power of the connected audio components with the timer operation.

## ② TIME ADJUST SWITCHES

These are used to adjust the time/displayed times in line with the setting of the mode selector.

**SEC RESET:** When this switch is depressed with the mode selector in the SECOND position, the second

display of the present time is reset to **0:00** and when released the seconds are counted up from **0:00** → **0:01** → **0:02** → etc., and the rightmost minute digit and seconds are displayed.

**REV:** When the FAST or SLOW switch is depressed while this switch is in the depressed position, the displayed time is reversed rapidly or slowly. (This function does not work when the sleep timer function is set.)

**FAST:** When this switch is depressed, the displayed time is forwarded rapidly.

**SLOW:** When this switch is depressed, the displayed time is forwarded slowly.

## ③ AC OUTLET INDICATOR (red)

This lights when power is being supplied to the AC OUTLETS on the rear panel.

**④ TIMER INDICATOR (green)**

This lights when the AC OUTLET-TIMER selector is depressed.

**⑤ MODE SELECTOR**

This is used to select the timer's function.

**SLEEP:** Used to set the operating time (1 minute to 1 hour 59 minutes) until the power of the audio components operating is to be set OFF.

**TIMER SET-OFF:** Used to set the time at which the power to the connected audio components is set OFF.

**TIMER SET-ON:** Used to set the time at which the power to the connected audio component is set ON.

**CLOCK:** Used to display the present time (hours & minutes).

**SECOND:** Used to adjust the seconds of the present time and check the seconds of the present time.

**CLOCK ADJUST:** Used to adjust the clock to the present time.

**⑥ TIME DISPLAY**

The time is displayed as it relates to the mode selector or TIME ADJUST switch settings in the following table.

Display	Example of display	Mode selector	TIME ADJUST switch
Time until sleep operation is due to go OFF.	1:30 1 hr 30 min.	SLEEP	FAST SLOW
Display of OFF time set by timer.	AM 8:00	TIMER SET-OFF	FAST SLOW REV
Display of ON time set by timer	AM 7:30	TIMER SET-ON	FAST SLOW REV
Display of present time	PM 5:38	CLOCK	—
Display of seconds and rightmost digit of present time minute	8:25 8 min. 25 sec.	SECOND	—
Display for adjusting seconds correctly of present time	5:00 5 min. 00 sec.		SEC RESET
Display for adjusting hours and minutes of present time	PM 12:05	CLOCK ADJUST	FAST SLOW REV

**NOTE:**

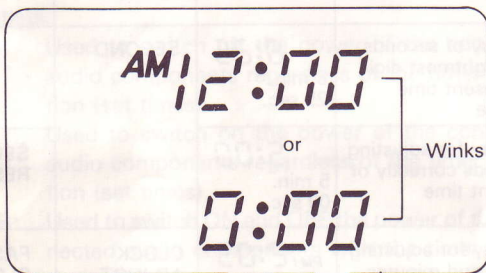
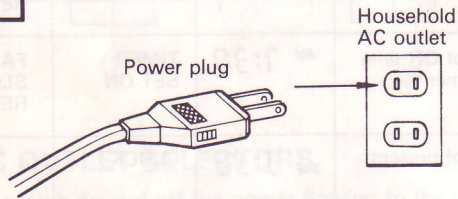
When the unit's power plug is connected to a household AC outlet, the "AM 12:00" or "0:00" time display will wink. It also winks when there has been a power failure while the unit was working and the power has been restored.

# ADJUSTING THE PRESENT TIME

## Example: Adjusting the time to AM 8:35:00

The DT-510 clock comes with a second display. This makes it possible to adjust the time down to the last second in synchronization with the radio, TV or telephone time signal.

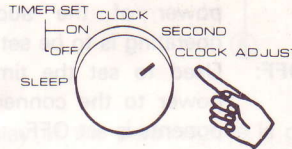
### 1 Plug the timer's power cord into the household AC outlet.



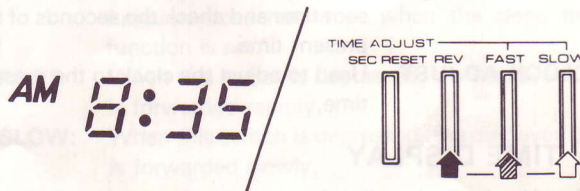
- When "AM 12:00" or "0:00" winks during use, the present time, timer ON/OFF set times and sleep time are released. Set these times again.

### 2 Set the present time (hours & minutes).

- Set the mode selector to CLOCK ADJUST.



- Depress the TIME ADJUST-FAST switch until just before the present time (AM 8:30) and then release the switch.
- Depress the SLOW switch and adjust to AM 8:35.
- If the present time is exceeded, depress the SLOW switch together with the REV switch to reverse the time.



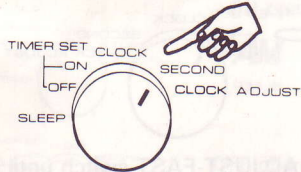
"AM" indicates the morning time and "PM" the afternoon and evening time. "PM 12:00" is midday while "AM 12:00" is midnight.



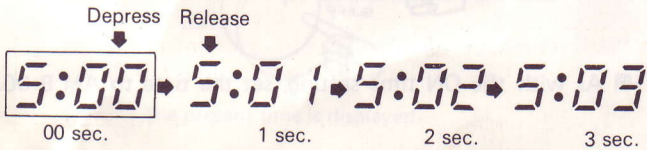
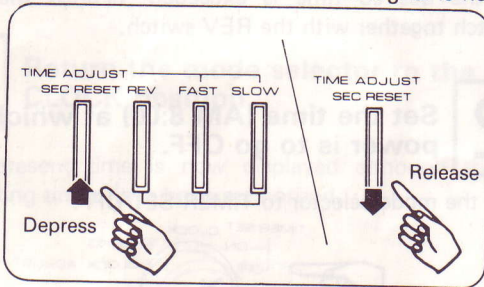
**3** Reset the seconds of the present time to 00 sec.

No matter what the time is, the seconds can be set with the 00 sec. time signal. Example: 5 min. 00 sec.

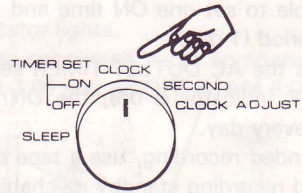
- Set the mode selector to SECOND.



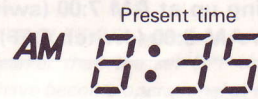
- Depress the TIME ADJUST-SEC RESET switch and wait until the time signal is heard.
- Release the switch as soon as the time signal is heard.



**4** Set the mode selector to CLOCK.



The present time is now displayed.



# WAKING UP TO MUSIC/UNATTENDED RECORDING

- This timer can be used to switch on the power to the connected audio components and switch off the power at the desired times.
- It is possible to set one ON time and one OFF time in a 24-hour period (1 day).
- As long as the AC OUTLET-TIMER selector is depressed (the TIMER indicator is on), the ON/OFF times will be operative every day.
- For unattended recording, use a tape deck with a built-in unattended recording standby mechanism.

**Example: Waking up at AM 7:00 (switch ON) & leaving for work at AM 8:00 (switch OFF)**

## PREPARATIONS

- Depress the AC OUTLET-ON selector.
- **For waking up to music:** Operate the stereo amplifier and tuner or tape deck and prepare them for radio reception or tape play.
- **For unattended recording:** Operate the stereo amplifier and tuner and tune in the desired station. Set the tape deck up for unattended recording. For details, refer to the Operating Instructions of the tuner and tape deck.

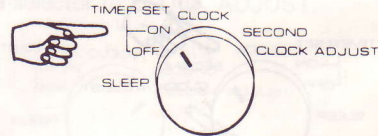
### NOTES:

- The timer's ON/OFF times cannot be set in second units.
- It is not possible to set the timer ON time and not the OFF time (or vice versa). Be sure to set the ON time first and then the OFF time.

## TIMER ON/OFF SET TIME OPERATIONS

**1** Set the time (AM 7:00) at which the power is to come ON.

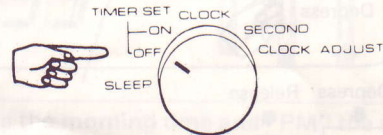
- Set the mode selector to TIMER SET-ON.



- Depress the TIME ADJUST-FAST switch until just before the desired time (AM 6:50) and then release the switch.
- Depress the SLOW switch and set to AM 7:00.
- If the desired time is exceeded, depress the SLOW switch together with the REV switch.

**2** Set the time (AM 8:00) at which the power is to go OFF.

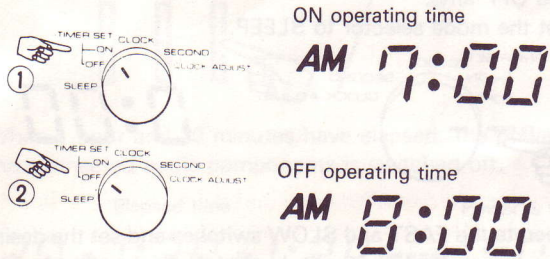
- Set the mode selector to TIMER SET-OFF.



- As with the ON time setting, set the time to AM 8:00.

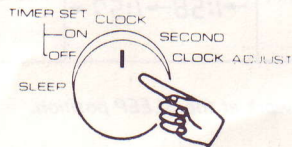
### 3 Check the desired operating times.

- Set the mode selector to the TIMER SET-ON and TIMER SET-OFF positions and check the operating times (ON and OFF) set under steps 1 and 2.



### 4 Return the mode selector to the CLOCK position.

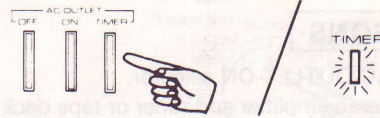
- The present time is now displayed although the set operating times have been memorized.



The present time is displayed.

### 5 Depress the AC OUTLET-TIMER selector.

- The TIMER indicator lights.
- The power to the connected audio components will now come ON at AM 7:00 and go OFF at AM 8:00.



**NOTES:**

- Depress the AC OUTLET-OFF selector when you want to switch off the power earlier than the set OFF time with audio components which have become operational at the timer ON time. In this case, power will not be supplied again to the audio components even when the AC OUTLET-TIMER selector is depressed. However from the following day (after 24 hours), the power will be switched on at the ON set time and switched off at the OFF set time.
- If the components the power of come ON while the timer's ON and OFF times are being set, depress the AC OUTLET-OFF selector and perform the timer settings again.
- If the mode selector is at SLEEP, the power to the connected audio components will not be switched on even at the timer ON time.

### CHANGING THE TIMER'S ON/OFF TIMES

Set the times again following the procedure in steps 1 through 5. The previously set times will be erased and replaced by the new set times.

# DOZING OFF TO SLEEP WITH MUSIC

**Example:** Dozing off to sleep while listening to music and having the power switched off after 1 hr 30 min have elapsed.

The time which will elapse until the power is switched off can be adjusted between 1 minute and 1 hour 59 minutes when you are dozing off to a radio program or tape play.

## PREPARATIONS

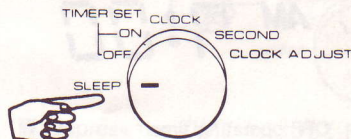
- Depress the AC OUTLET-ON selector.
- Operate the stereo amplifier and tuner or tape deck and set up the components for radio reception or tape play.

## SLEEP TIMER OPERATIONS

1

Set the time until the power is to be switched OFF.

- Before setting the sleep timer, first check the timer's ON and OFF time.
- Set the mode selector to SLEEP.



0:00

- Operate the FAST and SLOW switches and set the desired time (example: 1 hr 30 min.) which is to elapse before the power is to be switched OFF, as shown in the table below.

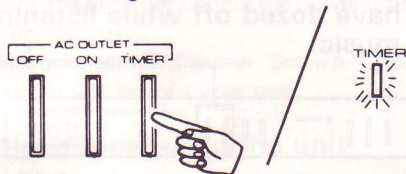
Operation	Display during operation	Set time
When the FAST or SLOW switch is depressed, the display changes as on the right.	0:00 → 1:59 → 1:58 → 1:57 →	Release switch as soon as desired time is displayed. 1:30

**NOTE:**

The REV does not work at the SLEEP position.

## 2 Depress the AC OUTLET-TIMER selector.

- The timer indicator lights.



When 1 hour and 30 minutes have elapsed, the power to the connected audio components is switched off.

Elapsed time                      Power is OFF

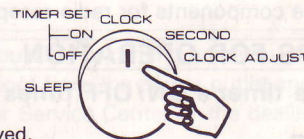
1:30 → 1:29 → 1:28 → ..... → 0:00

### NOTE:

When the power is to be switched off earlier than the timer OFF time during the sleep timer operation, depress the AC OUTLET-OFF selector. In this case, the timer ON/OFF operations are not effective.

## 3 Return the mode selector to CLOCK.

- The present time is now displayed although the set operating times have been memorized.



The present time is displayed.

### WHEN CHECKING THE TIME REMAINING

The time remaining is displayed when the mode selector is set to SLEEP. After checking, remember to return the selector to the CLOCK position.

# DOZING OFF TO SLEEP WITH MUSIC → WAKING UP TO MUSIC → THEN LEAVING HOME

The sleep timer function and timer ON/OFF set function can be used together for this operation.

## PREPARATIONS

- Depress the AC OUTLET-ON selector.
- Operate the stereo amplifier and tuner or tape deck and set up the components for radio reception or tape play.

## STEPS FOR OPERATION

Set the timer's ON/OFF times first.

- 1** Set the time at which the power is to come ON to wake you up with music.

② Set the ON time.



① Set to TIMER SET-ON.

- 2** Set the time at which the power is to go OFF.

② Set the OFF time.



① Set to TIMER SET-OFF.

Next, set the sleep timer function.

- 3** Set the time which is to elapse until the power is to go OFF after you have dozed off while listening to music.

② Set the sleep time.



① Set to SLEEP.

- 4** Depress the AC OUTLET-TIMER selector.



Depress

- 5** Return the mode selector to the CLOCK position.



Set to CLOCK.

### NOTE:

Keep the mode selector at the SLEEP position if you do not want to be woken up to music on the following morning but simply want to doze off to sleep with music.

In cases like this, "0:00" is displayed in the SLEEP mode without the time being indicated.

# HANDLING PRECAUTIONS

## Keep the unit away from water

Electric shocks and malfunctions are caused by water penetrating inside the timer. Do not stand vases or other objects containing water on top of the timer. If water does happen to get inside the unit, disconnect the power cord from the power outlet immediately.

Then contact your nearest Pioneer Service Center or the dealer from whom you bought your unit.

## Do not poke about inside the unit

Under no circumstances should the screws around the casing be removed since this may lead to an electric shock. Do not try to remove the casing to inspect inside or make adjustments. Pioneer can make no guarantees in the case of a deterioration in performance resulting from remodeling by a user.

## Avoid use in hot (over 45°C) and cold (under -5°C) locations

Also avoid using the timer in a location susceptible to vibration since this may cause a time error.

## Maintenance

Use a soft dry cloth for usual cleaning. If there are stains which cannot be removed, dilute some neutral detergent with water, dip a cloth into the solution and wipe away the stains. Never use alcohol, thinners or benzene for cleaning or spray insecticides near the unit since these substances may mar the model's finish.

If the timer makes any buzzing or rattling noise during use, disconnect the power cord from the power outlet and contact the nearest Pioneer Service Center or the dealer from whom you bought your unit.

# SPECIFICATIONS

Time display ..... Digital display with fluorescent display tube  
Timer type ..... 24-hour type  
(AM/PM, 12-hour display)  
Timer setting ..... Only one ON/OFF time setting in minimum units of minutes within a 24-hour period  
Sleep timer ..... Setting in minimum units of minutes up to 1 hour 59 minutes  
Time accuracy ..... Synchronized with line frequency  
Timer accuracy ..... Within  $\pm 0.1$  sec. of time displayed  
Sleep timer accuracy ..... Within 59 sec. of set time

## Power section, others

Power requirements ..... AC 110 V/120 V/220 V/240 V  
(switchable) 50 Hz/60 Hz (switchable)  
AC outlets ..... Total of 2 outlets, 500W max.  
(inductive load)  
Power consumption ..... 6 W

## Other functions

- AC OUTLET "on" display (red LED lights)
- Timer operation display (green LED lights)
- Power failure display (time display winks)

Dimensions ..... 420 (W) x 50 (H) x 144 (D) mm  
16-9/16 (W) x 2 (H) x 5-11/16 (D) in

Weight ..... 1.7 kg (3 lb 12 oz)

## Accessories

Operating Instructions ..... 1

### NOTE:

*Specifications and design are subject to possible modification without notice due to improvements.*

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