

# **EX-9000** USER MANUAL



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# [EX9000]

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# INTRODUCTION

We bope you will read this instruction manual and operate EX9000 Series correctly so as to let them operate fully efficiently for a long time.

- Please note that specification, apperance, descriptions, etc. may be subject to change due to improvement of product.
- This manual has been prepared very carefully, but, if you find any error or descriptions which you cannot understand clearly, please contact the dealer from whom you have bought our EX9000 Series.

|                                  | EX9000   | EX9050 | EX9200 | EX9500   |
|----------------------------------|--|--------|--------|----------|
| 1-colorprinting                  | 0  | ٥      |        |          |
| 2-color printing                 |  |        | O      | Q        |
| Time signal                      |  | Q      | Q      | Q        |
| Sbift of print column            |  |        |        | Q        |
| Monthly pay, vertical weekly pay | Q  | Ô      | Q      | Q        |
| Horizontal weekly pay            |  |        |        | Ô        |
| Full power reserve               | OP   | QP     | OP     | OP       |
| Column dividing sensor           | <u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u> |        | ☆      | <b>A</b> |
| Party line function              | *  | *      | 皇      | <u>À</u> |
| Two time signal circuits         |  |        |        |          |

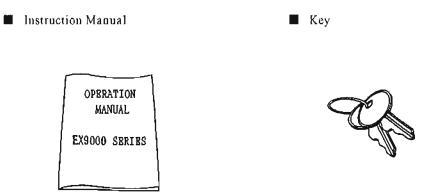
### List of EX9000 Series

OP : Optional : Available at dealers at the time of purchase.

☆ : Extension : Since expansion functions are assembled in during production process in our plant, please inform us in advance that you need the expansion functions. It is somethimes impossible to assemble the expansion function in your unit or to replace your unit after purchase.

# Accessory

After unpacking the package of EX9000 Series, please check all the accessories.



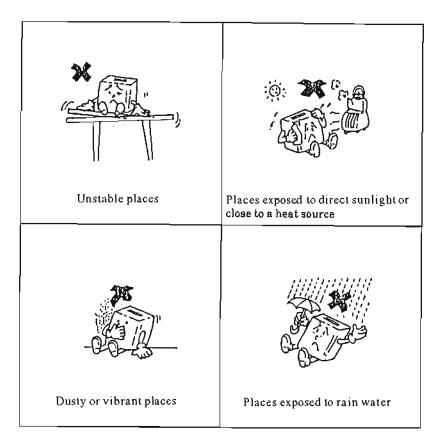
# **Production Specification**

| Power source :              | 100VAC, 120VAC, 220VAC, 240VAC ± 10%(50or 60Hz)  |
|-----------------------------|--|
| Power consumption :         | Ordinary 5W, Maximum 30W   |
| Environmental conditions :  | Temperature : -10°C to 45°C  |
|                             | Humidity : 10% to 90%RH (without dew condensation)   |
| Outside dimensions :        | $260(W) \times 180(D) \times 320(H)$   |
| Weight :                    | 3.5 kg   |
| Clock system :              | Crystal oscillator, Accuracy $\pm 3$ seconds (20°C to 30°C) a week   |
| Power compensation at       |  |
| the time of power failure : | For 3 years of accumulated power failure time with lithium baltery   |
|                             | (All functions other than the inner clock stop.).  |
|                             | Full power reserve   |
|                             | When the battery is fully charged, the followings are compensated:   |
|                             | <ol> <li>For less than 72 hours of clock motion, 2-color selection, shift of<br/>print column, time signal or melody.</li> </ol> |
|                             | 2) 200 times of printing, but within 72 hours.   |
|                             | When the unit is operating on the full power reserve, the  |
|                             | attendance/leaving lamp goes on and off.   |

# **BEFORE OPERATION**

# Place of Installation

To use the unit for a long time, do not install it at the places mentioned below:



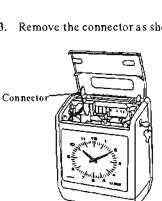
# Power Source

- Check the AC power commercially available in your district. (100VAC, 120VAC, 220VAC, or 240VAC)
- Select such places where supply voltages are stable.
- Make the power available all the day from the power source, which should be independent from other equipment.
- The unit contains a lithium battery inside, and the inner clock keeps running. (For 3 years of accumulated power failure time.)

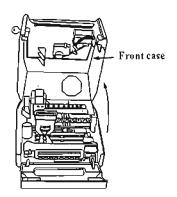
## How to Remove the Front Case

The front cover should be removed when setting the battery (full power reserve), connecting the time signal cord and when hanging the unit on a wall.

- ☆ Before removing the front case, be sure to pull off the power cable from the plug receptacle.
  - 1. Turn the key to the arrow direction.
  - 3. Remove the connector as shown below:



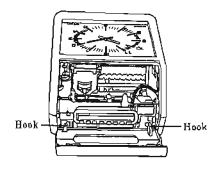
5. Widen the upper right and left hooks by force • and lift the front case to remove it.



2. Open the top cover.



4. Face the backplate of the unit to the ground.

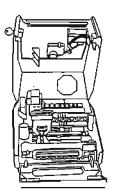


Before closing the front case, connect the connector removed in the Procedure 3.

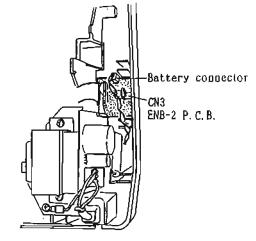
When removing the front case, be sure to face the backplate of the unit to the ground (unless hung on a wall). When the front case is removed without turning it aside, the rear case may fall down.

### Connection of Battery (Full Power Reserve) (Option)

- 1. Pull off the power cable from the plug 2. Insert a battery connector in place. receptacle, face the backplate to the ground, then remove the connector and the front case from the unit.
  - Make sure that the inserting direction is correct.



3. Set the front case to the unit, insert the connector in the unit, then close the top cover.





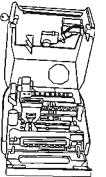
In addition to the battery, a lithium battery is also included in the unit, and the inner clock keeps running.

Therefore, when you insert the power cable in the plug receptacle after connection of the battery, the unit keeps running.

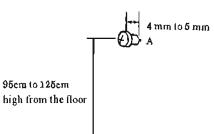
Use care to insert the battery connector to the correct direction. If it is inserted to the other [Note] direction, the unit may get out of order.

#### How to Install on Wall

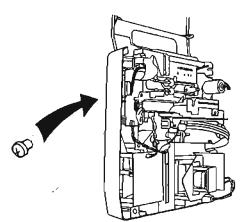
1. Pull off the power cable from the plug 2. Fix a 5.1mm wood screw at the "A" position receptacle, face the backplate to the ground, then remove the connector and the front case from the unit.



shown below on the wall and leave a space of 4mm or 5mm between the wall and the screw head.

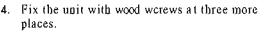


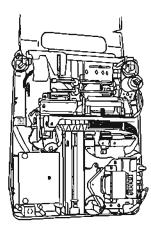
3. Hang the unit on the wood screw so that the 4. wood screw enters the pobellied hole on the back of the unit.



5. Set the front case to the unit, insert the connector in the unit and close the top cover.

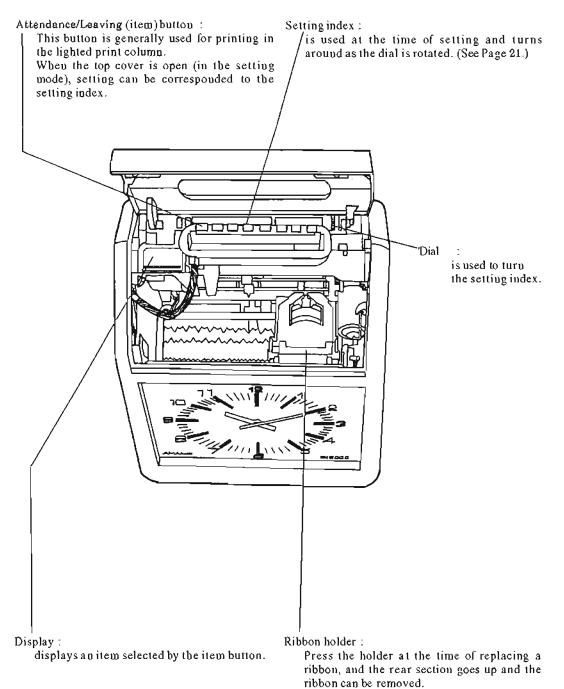






Precaution concerning Installing Method and Wall Material When the unit is installed on a wall made of soft material like gypsum board, plywood, etc., the wood screw will become loose and the unit may drop from the wall during operation. So, set a plate between cleats, and fix the unit on the plate. (Prepare an appropriate plate before installation.)

## Name and Function of Each Part



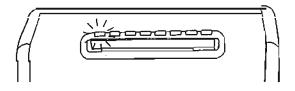
# Initial Value

| Items                                  | Set points  | Initial values      |
|--|---|---------------------|
| Print column change-over<br>ime        | Hour : 00 to23<br>Minute : 00 to59  | 03:00               |
|  | <ul> <li>1: Date change-over</li> <li>2: Morning/Afternoon change-over<br/>(2-column-a-day card)</li> </ul>   | 1                   |
|  | Hour : 00 to 23<br>Migute : 00 to 59  | 1 03:00<br>2: 12:00 |
| Pay period eudiug date,                | (Monthly pay): 01 to 31 Empty column 01 to 32   | 31 01               |
| mpty column                            | (Weekly pay): MANDAY (1) to SUNDAY (7)  | б                   |
|  | Current week: 1,2 Bi-weekly pay is only set.  | 1                   |
| Start (End) of daylight<br>saving time | Change-over method0:No function1:For setting month and<br>date.2:For setting month and<br>day of the week   | 0                   |
|  | Month: 01 to 12, Day: 01 to 31  |                     |
|  | Week: 1 to 5 Day of the week: Monday to Sunday<br>To set day of which week  | -                   |
| l'ime signal duration                  | To decide lime signal duration in seconds:<br>00 to 59 (sec.)<br><ex9050, ex9200,="" ex9500=""><br/>No time signal is output for 00 (sec.)</ex9050,>  | 05                  |
| Print format                           | Manual selection of print column<br><ex9500 (vertical="" and="" monthly="" pay="" vertical<br="">weekly pay only)&gt;<br/>0: Manual selection possible<br/>1: Manual selection impossible</ex9500>        | 0                   |
|  | Double stamping prevention<br><ex9500 (vertical="" and="" monthly="" pay="" vertical<br="">weekly pay only)&gt;<br/>0 :Ineffective 1 :Effective</ex9500>  | 0                   |
|  | Printing of day of the week   | 0: Monthly pay      |
|  | 0 : Date 1 : English 2 : Spanish<br>3 : French 4 : German 5 : Italian<br>6 : Japauese 7 : Day No. 8 : No printing   | 1: Weeklypay        |
|  | Printing of time<br>1: 24 hours (0 - 23 hours)<br>(0 is vot privted at the tev's place of hour.)<br>2: 12 hours (AM/PM hours)<br>3: 24 hours (0 - 23 hours)<br>(0 is printed at the ten's place of hour.) | 1                   |

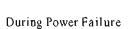
| l                        | lems                | Set points   | Initia) values |
|--------------------------|---------------------|--|----------------|
| <sup>•</sup> rint format |                     | Printing of winute<br>1: Minutes<br>2: 1/100 bour A<br>3: 1/100 bour B<br>4: 1/10 bour   | 1              |
| Neekly<br>program I      | 2-color<br>printing | To decide details for each print color<br>< EX9200, EX9500><br>R: Start of printing in red<br>B: Start of printing in black  | R              |
|                          | Time signal         | To decide time signal circuit<br><ex9050, ex9200,="" ex9500=""><br/>0: No time signal is given.<br/>1: Time signal is given to Circuit 1.<br/>2: Time signal is given to Circuit 2<br/>(extension).<br/>3: Time signal is given to Circuits 1 and 2<br/>(extension).</ex9050,> | 1              |
| Neekly<br>program ][     | Print column        | To decide print column.<br><ex9500 (vertical="" and="" monthly="" pay="" vertical<br="">weekly pay only)&gt;<br/>00 to The MAX column of each card type.<br/>00: No print column is shifted.</ex9500>  | 00             |
|                          | Restricted<br>zone  | To decide the time zone for double stamping<br>prevention.<br><ex9500 (vertical="" and="" monthly="" pay="" vertical<br="">weekly pay only)&gt;<br/>01: Starting time of double stamping<br/>prevention<br/>02: Finishing time of double stamping<br/>prevention</ex9500>      | 01             |

# HOW TO OPERATE

- Select a print column with the attendance/leaving button, insert a card, and it is possible to print in the column where the button is lit.
- In the case of < EX9500 > for which print columns can be shifted, print columns are shifted as time passes. (When another column is selected with the attendance/leaving button, the column is replaced by the original column after printing or after ten seconds.)



• Since card is automatically pulled in, do not push it in or do not pull it out.



When power supply is suspended, everything except the inner clock stops. When the power supply is restored, everything returns to normal.  $\rightarrow$  The lithium battery is effective for three years of accumulated power failure time.

(When a full power reserve [Option] comes not to function, the duration is counted in the three years.)

At the time of power failure

If a full power reserve functions,



The attendance/leaving lamp goes on and off.



If a full power reserve does not function,

The attendance/leaving lamp goes out.

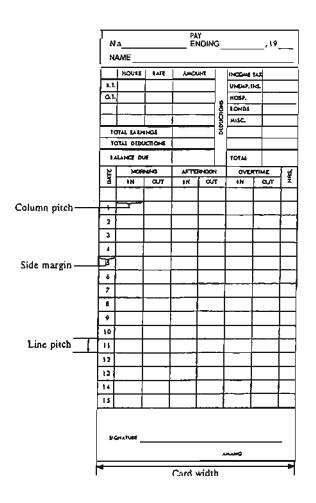
#### Full Power Reserve

can compensate clock motion, 2-color selection, shift of print column, time signal or melody for 72 hours, or 200 times of printing within 72 hours (when fully charged).

# TIME CARD

# Time Card

In the case of EX9000 series, card format can be changed by setting the inner dip switch. Representative time cards are shown as follows.



To chauge time card format, inform the dealer from whon you have bought our time recorder. For adjustment of card width, side margin, thickness and slot depth, see Pages 12 to 17. Steppitch(mm) can be adjusted by replacing sensor belt. Others are set by dip switch.

# List of Types of Time Card

| Card type code    | í                              | 2  | 3    |  |
|-------------------|--------------------------------|--|------|--|
| Card type         | 7 lifts across the card weekly |  |      |  |
| Card width (mm)   |                                | 86 mm  |      |  |
| Number of columns |                                | 6 columns  |      |  |
| Number of lines   |                                | 7 lifts  |      |  |
| Columv pitch (mm) |                                | 12 mm  |      |  |
| Line pitch (mm)   | 6 п                            | າຫ   | 7 mm |  |
| Side wargiv (mm)  |                                | 6.5 mm   |      |  |
| Applicable models | EX90                           | 00, EX9050, EX9200, EX   | 9500 |  |
|                   |                                | ME<br>IN OUT IN OUT IN<br>UCTIONS<br>HRS<br>TOTAL PEOPETIONS<br>UCTAL PEOPETIONS<br>UCTAL PEOPETIONS |      |  |
|                   |                                |  |      |  |

| lard type code                        | 4   | б   |
|---------------------------------------|---|---|
| and type                              | 14 lifts across the card bi-weekly  | 14 lifts across the card weekly ND1   |
| ard width (mm)                        | 86 mm   | 82.5 mm   |
| ?umber of columns                     | 6 columns   | 4 columns   |
| lumber of lines                       | 14 lífts  | 7× 2 lifts  |
| Solumn pitch (mm)                     | 12 mm   | l 2mm   |
| line pitch (mm)                       | 6mm   | 6 mm×2  |
|                                       | mm (1stweek)/7.5 mm (2nd week)  | 16mm  |
| lide margin (mm)<br>spplicable models | EX9000, EX9050,   |   |
| iample                                | Νσ.   |   |
|                                       | II XIE       PAY PERIOD EXCDING       III, assell       III, assell       III, assell       IIII, assell       IIIII, assell       IIII, assell </td <td>Ant         IR         OUT           Ant         IR         OUT         International and and and and and and and and and and</td> | Ant         IR         OUT           Ant         IR         OUT         International and |

| Card type code    | 6   | 7                                  |
|-------------------|---|------------------------------------|
| Card type         | Monthly pay, 16/16 lifts, 2 sides<br>Amano standard card  | Monthly pay, 15/16lifts,<br>1sides |
| Card width (mm)   |   |                                    |
| Number of columns | 6 columns   | 3×2 columns                        |
| Number of lines   | 161   | ifts                               |
| Column pitch (mm) | 12r   | nm                                 |
| Line pitch (mm)   |   |                                    |
| Side margin (mm)  | 7 mm (Front)/7 mm (Back)  | 7 mm (Left)/43 mm (Right)          |
| Applicable models |   |                                    |
| Sample            | a     16       11     1       11     1       11     1       11     1       12     1       13     16       13     11       14     1       15     1       16     1       17     1       18     1       19     1       10     1       11     1       12     1       13     1       14     1       15     1       16     1       17     1       18     1       19     1       10     1       11     1       11     1       12     1       11     1       11     1       11     1       11     1       12     1       13     1       14     1       150     1       10     1       11     1       12     1       13     1       14     1       150     1       16     1       17     1       1 |                                    |

| Dard type code    | 8                     | 9   |
|-------------------|-----------------------|---|
| Card type         | Monthly pay, 31 lifts | TAB card 161ifts<br>down/up the card, weekly  |
| Card width (mm)   | 104mm                 | 82.55 mm  |
| Yumber of columns | 6 columns             | 7 columus   |
| Yumber of lines   | 31 lifts              | 16 lifts  |
| Solumn pitch (mm) | 1 2 mm                | 10.55mm   |
| Line pitch (mm)   | 4.53 mm               | 6 m m   |
| Side margin (mm)  | 8mm                   | 4 m m   |
| Applicable models |                       |   |
| Sample            |                       | NO.         PAT RADIKS           NAME         IST INTERNATIONAL INTERNATIONALI INTERNATIONAL INTERNATIONAL INTERNATIONAL INTERNATIO |

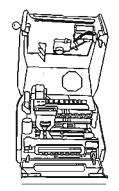
|                             | 1  | <b>, , , , ,</b> ,  | 12  |
|-----------------------------|--|---|---|
| Card type code<br>Card type | 10<br>TAB card 22 lifts<br>down/up the card,<br>weekly | 16 lifts down/up the<br>] 6 <b> }A5521dWAE547</b> the<br>card, weekly | 22 lifts down/up the<br>22 lifts down/up the<br>22 lifts downer by<br>card, weekly  |
| Card width (mm)             | 82.55 mm   | 98mm to   | > 106mm   |
| Number of columns           |  | 7 columns   |   |
| Number of lines             | 22 lifts   | 16 lífts  | 22 lifts  |
| Column pitch (mm)           | 10.55mm  | 121   | mm  |
| Líve pitch (mm)             | 4.35 mm  | 6 mm  | 4.35 mm   |
| Side margin (mm)            | 4 mm   | ת 7   | nm  |
| Applicable models           |  |   |   |
|                             | NO.<br>NAME<br>  |   | Image: Second |

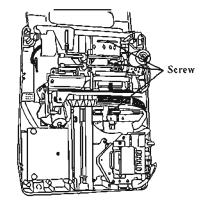
| Dard type code    | 13  | 14   |  |
|-------------------|---|--|--|
| Zard type         | 16 lifts dowdup the card, monthly   | 22 lifts dowdup the card, monthly  |  |
| Zard width (mm)   | 98 mm to 106 mm   |  |  |
| Number of columns | 8 col   | umns   |  |
| Number of lives   | 16 lifts  | 22 lifts   |  |
| Columv pitcy (mm) | 12 mm   | 10.7mm   |  |
| Live pitch (mm)   | 6 mm  | 4.35 mm  |  |
| Side wargin (mm)  | 8mm (Frout)/8mm (Back)  | 7 mm (Front)/ 7 mm (Back)  |  |
| Applicable models | EXS   | 9500   |  |
| Sample            | This         This           This <td>With Arrowson     Harrowson       With Arrowson&lt;</td> | With Arrowson     Harrowson       With Arrowson< |  |

## Adjustment to Card Width

1. Pull off the power cable from plug receptacle, face the backplate of the unit to the ground and remove the connector and the front case.

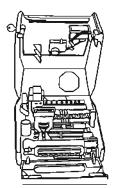
2. Loosen three screws indicated in the figure with a Phillips type screwdriver and adjust the slot width to the one of card to be used. The width can be adjusted in the range from 82.5mm to 106mm.

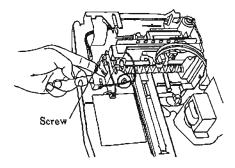




#### Adjustment of Side Margin

- 1. Pull off the power cable from the plug receptacle, face the backplate of the unit to the ground and remove the connector and the front case.
- After having removed the case, hold the section indicated by hand from below, loosen it with a Phillips type screwdriver and adjust the side margin. (Scales are indicated.)
  The adjusting range extends from 3mm to 15
  mm.

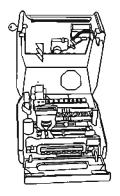


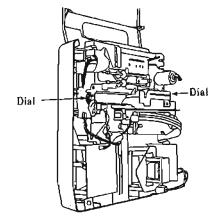


## Adjustment to Card Thickness

- 1. Pull off the power cable from the plug 2. After having removed the case, lurn both receptacle, face the backplate of the unit to the ground and remove the connector and the front case.
  - right and left dials to adjust the back and, forth width of the slop. (Scales are indicated.) The adjusting range extends from 0.188mm to 0.9 mm.

At the time of shipment, this width is set to 0.37 mm.

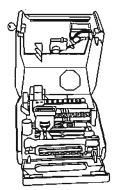


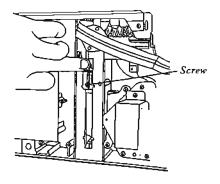


#### Adjustment of Slot Depth

- 1. Pull of the power cord from the plug receptacle, face the backplate of the unit to the ground and remove the connector and the front case.
- 2. After having removed the case, loosen the section indicated in the figure with a Phillips type screwdriver and adjust the depth. (Scales are indicaled.) The adjusting range extends from 17mm to

31mm.

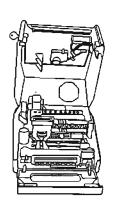




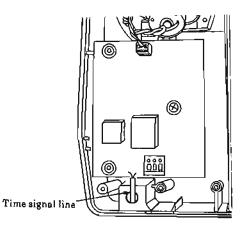
# TIME SIGNAL

#### Connection of Time Signal Line

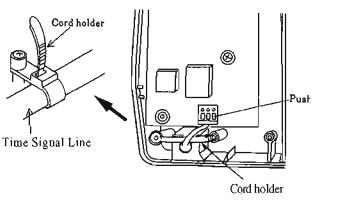
1. Pull off the power cable from the plug receptacle, face the backplate of the unit to the ground and remove the connector and the front case.



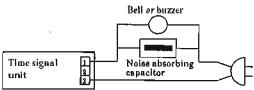
1. Pull off the power cable from the plug 2. Pass the time signal line through the rear receptacle, face the backplate of the unit to case left bottom.



- 3. Press the protrusion on the top of the time siganal terminal and insert the time signal lines in Nos. 1 and 3. Then, fix them with the cord holder. In the cases of time signal second circuit and parental function (expanded functions), insert them in Nos. 4 and 5.
- 4. Set the front case to the unit, insert the connector and close the topo cover.



Wiring Diagram of Time Signal Line





Specification for Connection Time signal circuit : Icircuit (2 circuits can be expanded.) Contact capacily : 250VAC inductive load 0.5A max. 24VDC inductive load 0.5A max.
 Contact output : No-voltage contact output

Include a noise absorbing capacitor (For example, S-1205) in the time signal unit,

# SETTING METHOD

# Setting

- For program setting, open the top cover, and the setting mode starts. Turn the setting index, press the item button, then start each setting.
- o Set all hours on the millitary hours system.

|                 | CLOCK                |                    | DAY                | CURRENTW.        |            |        |     |   |
|-----------------|----------------------|--------------------|--------------------|------------------|------------|--------|-----|---|
| IUMO/DT         | אאייוו               | 9072               | CHANGE             | PAY END<br>BLANK | L          | -      | C   |   |
|                 |                      |                    |                    |                  |            |        |     |   |
| D.L 6.<br>Start | D.L.S.<br>END        | SIGNAL<br>DURATION | MPRINT             |                  | f.         | -      | e — | 6 |
|                 |                      |                    | ·                  |                  |            |        |     | 6 |
|                 | WEEKLY P             | ROCRAMI            |                    |                  | _          |        |     |   |
| DAY<br>NWMN     | RED/BLACK            | SIGNÁL             | MELODY             | С                | e<br>Dayon | DAYOFF | E   |   |
|                 |                      |                    |                    |                  |            |        |     | 7 |
|                 | WEEKLYP              | ROORAM II          |                    |                  |            |        |     |   |
| DAY<br>HR/MN    | PRINTINO<br>POSITION |                    | RESTRICTED<br>ZONE |                  | e<br>Dayon | DAYOFK | C   |   |

| No. | Name             | Function  |
|-----|------------------|---|
| Ø   | Item Button      | Press the item button, and each item can be set.  |
| Ø   | STOP Button      | The clock stops while the button is pressed, but it starts running when the button is released.   |
| 3   | + Button         | Press the button once, and the value increases by i.<br>If you keep pressing the button, the value keeps increasing quickly.  |
| ¢   | - Button         | Press the button once, and the value decreases by 1.<br>If you keep pressing the button, the value keeps decreasing quickly.  |
| 6   | E Buiton         | Press the button to registors any value changed by pressing the + or - Button.  |
| 6   | + DAY ON Button  | When this button is pressed while setting a weekly program, a day of the week brinking<br>on the display turns to going on and becomes effective.   |
| Ø   | - DAY OFF Bulton | Whe the button is pressed while setting a weekly program, s day of the week brinking on the display turns to going out and becomes ineffective.   |
| (8) | C Button         | Keep pressing the button for more than 2 seconds, and the contents of a weekly program<br>number are arased.<br>(When this button is kept pressing for less than 2 seconds, only the screen is arased, and<br>the contents already set remain.) |

- When an item is changed to another during setting, items registered by E button are effective. (Weekly programs are excluded.)
- Starts and ends of Daylight Saving Time and Restricted Zone should be set together at the same time. Also, such setting may not extend beyond the print column changeover time.

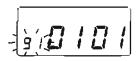
# Setting of Date

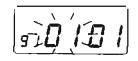
Example : Set "August 11, 1991" on the time recorder.

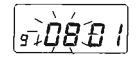
1. Press the YR/MO/DT button, and the present date is indicated.

|          |         |      | -             |                  |    |   |   | <u>0101</u> |
|----------|---------|------|---------------|------------------|----|---|---|-------------|
|          | CLOCK   |      |               | CURRENTW.        |    |   |   |             |
| YR/MO/DT | Û VVMDV | 8tôp | DAY<br>Change | PAY END<br>BLANK | ¥. | - | C |             |

- Set "91" to the year by using the + or button.
   00 to 90 represent those of 20009, while 91 to 99 represent those of 1900s.
- 3. Press the E button.
- 4. Set "08" to the month by using the + or button.
- 5. Press the E button.
- 6. Set"11" to the day by using the + or button.
- 7. Press the E button.













# Setting of Time

Example : Set "8:48 a.m." ou the time recorder.

1. Press the HR/MN button, and the present time is indicated.

|          | CLOCK |      | DAY CURRENT W. |        |   |   |   |
|----------|-------|------|----------------|--------|---|---|---|
| YR/MOIDT | hrimn | STOP | CHANGE         | PIVEND | + | - | R |

- Set "08" to the hour by using the + or button. Note : Set hours on the millitary bours system.
- 3. Press the E button.
- 4. Set "48" to the minute by using the + or button.
- 5. Press the E button.

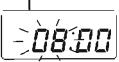
The clock starts running immediately after the button has been pressed.

\* STOP Button

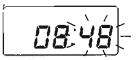
When the clock is slightly fast, press the STOP button.

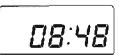
The clock stops while the button is pressed and starts running immediately after the button has been released











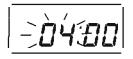
# Print Column Change-over Time (In the case of 1-row-a-day card)

Example : Set the print column change-over time to 4:30.

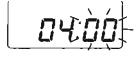
1. Press the DAY CHANGE button, and the initial value appears. (03:00)

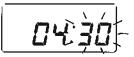
|          | CLOCK |      | D.14          | CURRENT W.       |   |   |   |
|----------|-------|------|---------------|------------------|---|---|---|
| YR/MO/DT | IIWMN | 8T0P | day<br>Change | PAY END<br>BLANK | + | - | E |

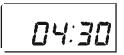
2. Set "04" to the bour by using the + or - button.



- 3. Press the E button.
- 4. Set "30" to the minute by using the + or button.
- 5. Press the E button.



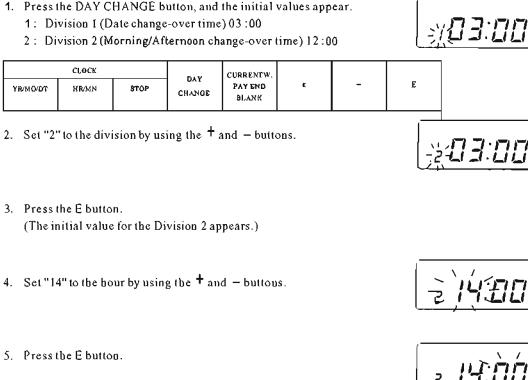




Print Column and Morning/Afternoon Change-overTime (In the case of 2-row-a-day card)

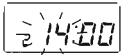
Example : Set the morning/afternoon change-over time to 14:30.

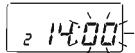
- 1. Press the DAY CHANGE button, and the initial values appear.
  - 1: Division I (Date change-over time) 03:00
  - 2: Division 2 (Morning/Afternoon change-over time) 12:00

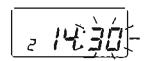


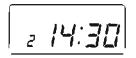
- 6. Set "30" to the minu by using the + and buttons.
- 7. Press the E button.

YR/MO/DT







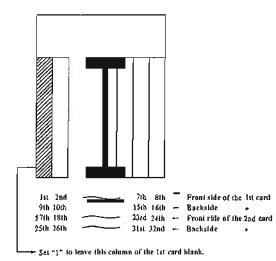


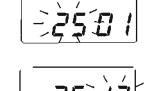
Setting of Pay Period Ending Date and Blank Row (In the case of Monthly Pay)

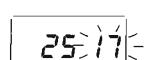
Example : Set the pay period ending date to the 25th day of a month and a blank row at the 17th row.

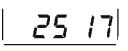
|          | CLOCK |     | CURRENTW. |  |
|----------|-------|-----|-----------|--|
| YR/MO/DT | אאשט  | DAY |           |  |
|          |       |     |           |  |

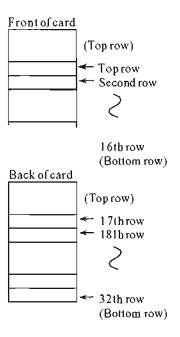
- 2. Set "25" lo the pay period ending date by using the + and buttons.
- 3. Press the E button, and the blank row turns to "17."
- 4. Set the blank row by using the + and buttons.
- 5. Press the E button.
- \* Blank Row The top row of time card is number 01 and the lowest row on the back is numbered 32, and a black row can be
- set by designating a number on the card.
   When a pay period ending date is set to the 20th or 25tb day, the blank row automatically turns to "17."
   When a pay period ending date is set to any other date, the initial value "1" remains unchanged.









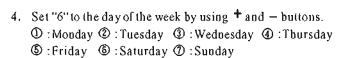


# Setting of Pay Period Ending Day of the Week and Current Week (In the case of Weekly Pay)

- Example : Set the pay period ending day of the week to Saturday (bi-weekly pay) and the current week to the second week.
- 1. Press the CURRENT W. PAY END BLANK button, and the initial values appear. (The pay period ending day of the week is Friday, and the current week is the first one.)

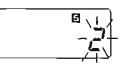
|          | CLOCK |      |               | CURRENTW. |   |   |   |
|----------|-------|------|---------------|-----------|---|---|---|
| YR/MÖ/DT | HR/MN | 8T0P | DAY<br>Change | BLANK     | e | - | E |

- Set "2" to the current week by using the + and buttons. Only bi-weekly pay is set.
- 3. Press the E button.

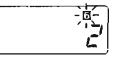


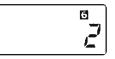
5. Press "E" button.

When the card specification is set to week pay, the current week is not shown on the display.









# Setting of Daylight Saving Time (to month and day)

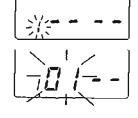
Example : Set the starting date of daylight saving time to July 5.

1. Press the D.L.S. START button, and the initial value appears.

| D.L.S. D.L.S. SIGNA<br>START END DURAT | IMPRINT | + | _ | ß |
|--|---------|---|---|---|
|--|---------|---|---|---|

- 0: No function
- 1: Setting of month and date
- 2: Setting of month and day of the week
- Select "1" as the setting method of daylight svaing time by using the

   and buttons.
- 3. Press the E button.
- 4. Set "07" to the month by using + and buttons.
- 5. Press the E button.
- 6. Set "05" to the day by using the + and buttons.
- 7. Press the E button.
- 8. Also, set the ending date of daylight saving time in the same way.
- Set both the stating and ending dates of daylight saving time. When only either of them is set, daylight saving time is not set.
- When the starting date and the ending date are set to a same date, the both dates are erased.
- The change-over time for daylight saving time is 2:00 a.m.











#### Setting of Daylight Saving Time (to month and day of which week)

Example: Set the starting date of daylight saving time to the second Monday of July

1. Press the D.L.S. START button, and the initial value appears.

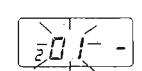


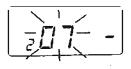
- Setting of month and date
   Setting of month and day of the week
- Select "2" as the setting method of daylight svaing time by using the
  + and buttons.
- 3. Press the E button.
- 4. Set "07" to the month by using + and buttons.
- 5. Press the E button.
- 6. Set "02" to the week by using + and buttons.
  1: 1st week
  2: 2nd week
  3: 3rd week
- Su Мо Τu We Th Fr Sa A 6 2 я 11 12 13 25 26 27 28 0 5
- 7. Press lhe E button.
- 8. Set "1" to the day of the week by using + and buttons.
  ①: Monday ②: Tuesday ③: Wednesday④: Thursday
  ⑤: Friday ⑥: Saturday ⑦: Subday
- 9. Press the E button.

10. Also, set the ending date of daylight saving time in the same way.

- Set both the stating and ending dates of daylight saving time. When only either of them is set, daylight saving time is not set.
- When the startingdate and the ending date are set to a same date, the both dates are erased.
- The change-over time for daylight saving time is 2:00 a.m.

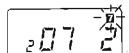




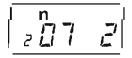








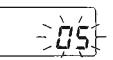




# Setting of Time Signal Duration < EX9050, EX9200, EX9500>

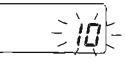
Example : Set the time signal duration to 10 seconds.

1. Press the SIGNAL DURATION button, and the initial value appears (for 5 seconds).



| D.L.S.<br>START | d.l.s.<br>End | SIGNAL<br>DURATION | IMPRINT |  | + | - | R |  |
|-----------------|---------------|--------------------|---------|--|---|---|---|--|
|-----------------|---------------|--------------------|---------|--|---|---|---|--|

 Set "10" to the time signal duration by using the + and - buttons. (The setting range extends from 00 to 59 seconds. No time signal is output at 00 second.)



10

- 3. Press the E button.
- \* Even in the case of 2-circuit output of time signal [Extension], the time signal duration is set to the same length.

## Setting of Print Format

Example: Set the print column manual selection to possible, the double printing prevention to effective, indication of day of the week to English, hour indication to the 12 hours (AM/PM

|         | bours) a   | and wivute ir               | idicalion to the 1/10   | 10 ho | ırB.                                  |  |
|---------|--|-----------------------------|---|-------|---------------------------------------|--|
| ()<br>Ø | 1: Manual se   | lection possibing preventio | iion <ex9500> *;<br/>ble 2: Manual<br/>n <ex9500> *2<br/>tive</ex9500></ex9500> |       | ction impossible                      | (applicable to vertical<br>monthly pay and vertical<br>weekly payonly) |
| 3       | Indication of<br>0: Date<br>3: French<br>6: Japanese | 1: English<br>4: German     | 2: Spanish  | 1:    | 12 hours (AM/PM<br>24 hours (0 - 23 h | at the ten's place of hour.)<br>M bours)                               |
| \$      | Minute indic<br>1: Minutes<br>3: 1/100 llou          |                             | 2: 1/100 Hour A<br>4: 1/10 Hour   |       |                                       |  |

\*1 Print column manual selection < EX9500>

By use of "print column shifting", a printing column other than the preset column may be selected manually.

\*2 Double printingprevention < EX9500>

Sometimes it is difficult to identify work beginning time from work ending time. To prevent double printing, print column should be changed over from the work beginning time to work ending time. Otherwise, nothing is printed even if a card is inserted.

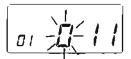
- Be cautious that setting the printing column manual selection to impossible and the double printing prevention to effective will make the unit unprintable during working hours.
- \* In the case of EX9000, EX9050, EX9200 and EX9500 (when horizontal monthly pay and horizontal weekly pay are set), start setting from Procedure 6 below:
- 1. Press the IMPRINT button, and the initial value appears.

|               |               | ·                  |         |   |   |   | Г<br>Ц | 1 | 1 |
|---------------|---------------|--------------------|---------|---|---|---|--------|---|---|
| D. L.<br>STAF | D.L.S.<br>End | SIGNAL<br>DURATION | IMPRINT | + | - | ¥ |        |   |   |

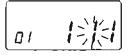
When the card type is weekly pay, the initial value is "t."

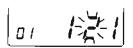
- 2. Set the "print column manual selection" by use of + and buttons.
- 3. Press E button.
- 4. Set "1" to the double printing prevention by using the + and buttons. < EX9500>
- 5. Press the E button.
- 6. Set "1" to the indication of day of the week by using the + and buttons.
  <The following procedures are applicable to all models.>
- 7. Press the E button.
- 8. Set "2" to the print format by using the + and buttons.
- 9. Press the E button.
- 10. Set "3" to minute indication by using the + and = buttons.
- 11. Press the E button.

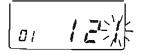
| -; <u>ö</u> ʻə  | [] | 1 | 1 |
|-----------------|----|---|---|
| <u>ַם מֵׁרָ</u> | [] | ! | 1 |
|                 | [] | 1 | 1 |

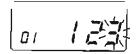


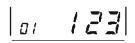












| Minute        | 0  | 1  | 2  | 3  | 4  | б  | 6  | 7  | 8  | 9  | ~  |    |    |    |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1/100 hour A  | 00 | 02 | 03 | 05 | 07 | 08 | 10 | 12 | 13 | 15 | 7  |    |    |    |
| 1.1100 hour B | 00 | 00 | 00 | 05 | 05 | 05 | 10 | 10 | 10 | 15 | -  |    |    |    |
| J/10 hour     | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | ~  |    |    |    |
|               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Minute        | 29 | 30 | 31 | 32 | 33 | 34 | 35 | ~  | 54 | 55 | 56 | 57 | 58 | 59 |
| 1/100 hour A  | 48 | 50 | 52 | 53 | 55 | 57 | 58 | ~  | 90 | 92 | 93 | 95 | 97 | 98 |
| 1/100 hour B  | 45 | 50 | 50 | 50 | 55 | 55 | 55 | ~  | 90 | 90 | 90 | 95 | 95 | 95 |
| 1/10 bour     | 4  | б  | Б  | б  | б  | 5  | б  | ~  | 9  | 9  | 9  | 9  | 9  | 9  |

.

1/100 hour A, 1/100 hour B and 1/10 hour :

#### Setting of 2-color Printing <EX9200, EX9500>

Example : Start 2-color printing at 8:31 a.m. from Monday to Friday.

1. Select WEEKLY PROGRAM 1 from the setting indexes, and a program No. appears.

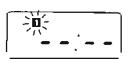
|              |           |         | - |        | -       | - |
|--------------|-----------|---------|---|--------|---------|---|
|              | WEEKLY P  | ROORAMI |   |        |         |   |
| DAY<br>HRANN | RED/BLACK | SIGNAL  | С | DAY ON | DAY OFS | Е |

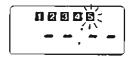
- 2. Press the DAY HR/MN button.
- A day of the week is set as follows:
  ① :Monday ② :Tuesday ③ :Wednesday ④ :Thursday
  ③ :Friday ⑤ : Saturday ⑦ : Sunday
  When setting a day of the week where the LED goes on and off, press the DAY ON button. In the other cases, press the DAY OFF button.
- 4. To set the time when 2-color printing starts, follow the procedures mentioned in the Paragraph "CLOCK ," Page 23.
- 5. Press the WEEKLY PROGRAM I and the RED/BLACK buttous. R : Start of printing in red
  - B: Startof printing in black

Use the + and - buttons to indicate "R", "B" on the display, then press the E button.

6. Check if the above setting is correct, and press the E button again to register the setting.

(The next program No. is indicated.)











#### Setting of Time Signai < EX9050, EX9200 and EX9500 >

Example : Set a time so that a time signal goes on at 8:30 from Monday to Saturday.

1. Select WEEKLY PROGRAM 1 from the setting indexes, and a program No. appears.

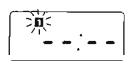
|             | WEEKLY I  | ROGRAMI |   |            | 1           |   |
|-------------|-----------|---------|---|------------|-------------|---|
| DAY<br>UWMN | RED/BLACK |         | с | L<br>Dayon | –<br>Бахорг | E |

- 2. Press the DAY HR/MN button.
- A day of the week is set as follows:
   ①: Monday ②: Tuesday ③: Wednesday ④: Thursday
   ⑤: Friday ⑥: Saturday ⑦: Sunday
   When setting a day of the week where the LED goes on and off, press the DAY ON button. In the other cases, press the DAY OFF button.
- 4. To set the time when the time signal goes on, follow the procedures mentioned in the Paragraph "Setting of Time" Page 23.
- 5. Press the WEEKLY PROGRAM I and the SIGNAL buttons.
  - 0: No signal goes on.
  - 1: The signal goes on in Circuit 1.
  - 2: The signal goes on in Circuit 2. [Extension]
  - 3: The signal goes on in both Circuits 1 and 2. [Extension]

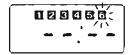
Use the + and - buttons to decide the content to be indicated on the display, then press the E button.

6. Check if the above setting is correct, and press the E button again to register the setting.

(The next program No. is indicated.)



· P- 0





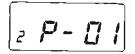




#### Setting of Print Column < EX9500>

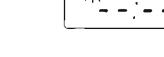
Example: Shift the print column to the Column 4 at 18:00 from Monday to Sunday.

1. Select WEEKLY PROGRAM II from the setting indexes, and a program No. appears.



| WEEKLY PROORAN II |                      |  |                    |   | _     | _      |   |
|-------------------|----------------------|--|--------------------|---|-------|--------|---|
| DAY<br>UWIM       | PRINTING<br>POSITION |  | RESTRICTED<br>ZONE | C | DAYON | DAYOFF | E |

2. Press the DAY HR/MN button.

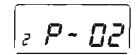


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- 3. A day of the week is set as follows:
  ① : Monday ② : Tuesday ③ : Wednesday ④ : Thursday
  ⑤ : Friday ⑤ : Saturday ⑦ : Sunday
  When setting a day of the week where the LED goes on and off, press the DAY ON button. In the other cases, press the DAY OFF button.
- 4. To set the lime when a print column is shifted, follow the procedures mentioned in the Paragraph "Setting of Time" Page 23.
- Press the WEEKLY PROGRAM II and the PRINTING POSITION buttops to set the position of the column to be shifted to on the display. (00 to the MAX column of each card type) Use the + and - buttops to position the print column, then press the E button. If the print column shifting is set to "00", the column before printing and after printing stayssame without regard to the programming.
- 6. Check if the above setting is correct, and press the E button again to register the setting.
  (The next program No. is indicated.)







#### Setting of RESTRICTED ZONE

< EX9500 (Vertical monthly pay and vertical weekly pay)>

Example: Make the Double Printing Prevention effective between 8:31 and 17:00 from Monday to Friday.

1. Select WEEKLY PROGRAM II from the setting indexes, and a program No. appears.

| 2 | <b>P</b> - | [] | 1 |
|---|------------|----|---|
|---|------------|----|---|

|               | WEEKLY P              | ROGRAM 11          |            |        |   |
|---------------|-----------------------|--------------------|------------|--------|---|
| DAY<br>HR/MIN | D'AITAURS<br>NOITIZOS | RESTRICTED<br>20NB | +<br>Dayon | DAYOPP | E |

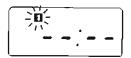
- 2. Press the DAY HR/MN button.
- 3. A day of the week is set as follows:
  ①: Monday ②: Tuesday ③: Wednesday ④: Thursday
  ⑤: Friday ⑤: Saturday ⑦: Sunday
  When setting a day of the week where the LED goes on and off, press the DAY ON button. In the other cases, press the DAY OFF button.
- 4. To set the time zone during which the double stamping prevention remains effective, follow the procedures mentioned in the Paragraph "Setting of Time" Page 23.
- Press the WEEKLY PROGRAM II and the RESTRICTED ZONE buttons.
  - 01:Start of double stamping prevention

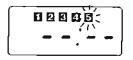
02 : End of double stamping prevention

Use the + and - buttons to indicate 01 or 02 on the display and press the E button.

- 6. Check if the above setting is correct, and press the E button again to register the setting.
  (The next program No. is indicated.)
- 7. Register the ending time (17:00) of double stamping prevention in the same way.

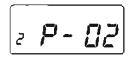
Be sure to set the starting and ending times of double stamping prevention together at the same time. These times cannot be set when extending beyond a print column change-over time.











#### Example of Main Settings

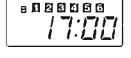
Example : Start printing in black and sound a time signal at 17:00 from Monday to Saturday.

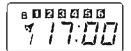
1. Select the WEEKLY PROGRAM I, set a day of the week and a time, thence press the E button.



|             | WEEKLY P  | RQQRAM I | , |   | +     | _      |   |
|-------------|-----------|----------|---|---|-------|--------|---|
| day<br>HRMN | RED/BLACK | SIGNAL   |   | С | DAYON | DAYOFF | R |

- Press the RED/BLACK button, indicate "B" on the display by using the + and - buttons, then press the E button.
- 3. Pres the SIGNAL button, indicate "1" on the display by using the + and buttons, thence press the E button.
- 4. Check if the above setting are correct, and press the E button again to register the setting.
  (The next program No. appears.)







If the E button is kept being pressed for 2 seconds at this stage, the weekly program is copied. For the details, see Page 38.

- If you have made a mistake during the setting procedures, press the C button. The function of the C button depends on the length of the time that the C button is kept being pressed.
  - When the C button has been pressed for less than 2 seconds, P-O5 appears on the display (and the program contrits remain).
  - When the C button has been pressed for more than 2 seconds, the contents of relevant program are completely erased.

## Example of Main Setting (Copying of Weekly Program)

Copying of Weekly Program:

Details (day of the week and time) set in a program are copied in its next-numbered program. When the next programs have already been set, however, they are copied in the smallest-numbered program not set.

Example : Sound time signals at 9:00aud 12:00 from Monday to Friday.

1. Set a weekly program to sound a time signal at 9:00 in the WEEKLY PROGRAM 1.

| WEEKLY PROGRAM I |           |        |  |   |            |             |   |
|------------------|-----------|--------|--|---|------------|-------------|---|
| DAY<br>HWMN      | RED/BLACK | SICNAL |  | с | L<br>DAYON | -<br>Dayoff | E |

- Keep pressing the E button for 2 seconds, and a number of program, in which the weekly program is copied, appears on the display. (When Program No. 7 is empty.)
- 3. Release the E button. Then, you will set the time.
- 4. Change the time (1012:00) and press the E button.
- 5. Sel the lime signal in the same way as that mentioned in Paragraph "Setting of Time Signal" Page 35, then press the E button.
- 6. Check if the setting is correct, then press the E button again to register the setting. (The next program number appears.)



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# MODIFICATION OF SET DETAILS OF WEEKLY PROGRAM

# Modification (or Confirmation) of Weekly Program

Example : When modifying (confirming) 2-color printing and time signal,

1. Open the top cover and select the WEEKLY PROGRAM I among setting indexes.

| ļ  |                         |          |       |  |
|----|-------------------------|----------|-------|--|
| ĺ, | <i>[</i> <sup>2</sup> - | 11       | 1     |  |
| 11 | •                       | <u> </u> | . • ! |  |

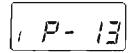
|             | WEEKLY P  | ROGRAM I |   |       |             |   |
|-------------|-----------|----------|---|-------|-------------|---|
| DAY<br>HWMN | REDIBLACK | SIGNAL   | C | DAYON | -<br>Dayoff | Ľ |

- Select a program No. to be modified (or confirmed) by using the + aud - buttons.
   Example : Program No. 12
- Press the E button, and the details of the program to be modified (or confirmed) appear on the display. The details mean to change over to printing in black and lo sound a time signal at 17:25 from Monday to Friday.
- When modifying the content, press the button of an item to be modified, modify it by using the + and - buttons, then press the E button to register.
  - Example : Modify so as to change over to printing in black and to sound a time signal at 17:30 from Monday to Friday.
- 5. After completion of modification, press the E button, and the next program No. appears on the display. When nothing has been modified in the Procedure 4, press the + button, and the next program No. appears on the display.
  (Press the button to indicate the previous program No.)

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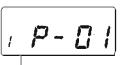






# Additional Setting

1. Open the top cover and select the WEEKLY PROGRAM I among setting indexes.



Ρ-

Ł

1

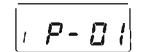
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| WEEKLY PROORAM 1 |           |        |  |   |             |             |   |
|------------------|-----------|--------|--|---|-------------|-------------|---|
| DAY<br>Kr/MN     | RED/BLACK | SIGNAL |  | c | t.<br>Dayon | -<br>Dayoff | E |

- 2. Keep pressing the E button for 2 seconds, and an empty program No. appears on the display.
- To set an additional item, see the WEEKLY PROGRAM from Page
   34.

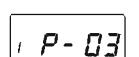
# Cancellation of Set Details

1. Open the top cover and select the WEEKLY PROGRAM I among setting indexes.



|             | WEEKLY PROGRAMI |        |  |   |            |             |   |
|-------------|-----------------|--------|--|---|------------|-------------|---|
| DAY<br>HWMN | REDIBLACK       | SIGNAL |  | С | t<br>Dayon | -<br>Dayoff | E |

- Select the program No. to be canceled by using the + and buttons. (Programs can be canceled even after having displayed the contents by pressing the E button.)
   Example : Caucel Program No. 3.
- 3. Press the C button for 2 seconds (All items go on and off during the time.), and you will hear "Pip!" Now, the cancellation has ended.

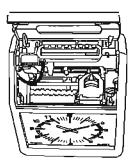


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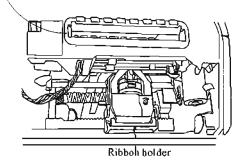
# MAINTENANCE

# Change of Ribbon

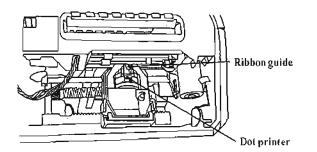
1. Open the top cover, the dot printer bead moves 2. To remove the ribbon, pull the ribbon holder to the place where you can change the ribbon.

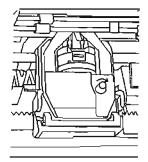


at the end of the ribbon to you, and the ribbon end comes out. So, pull it off.



- 3. Set a new ribbon cassette correctly between the ribbon guide and the dot printer head.
- 4. Turn the knob clockwise, and the ribbon becomes light.





5. Close the top cover.



## Under Specific Situations

When the error sound goes "Pip, pip, ..." and the attendance/leaving lamp goes out, a trouble bas occurred inside the unit. Pull out and disconnect the power cord plugjust for once, before inserting back to the receptacle after a little while. In case the unit would not restore the normal state, contact the dealer from whom you bave bought the unit.

| Errorcode | Meaning of error  | Measures   |  |  |  |  |
|-----------|---|--|--|--|--|--|
| Err 1     | Error of analog clock   | Contact the dealer from whom you have bought the unit.   |  |  |  |  |
| Err 2     | Column home position error  |  |  |  |  |  |
| Err 3     | Column timing pulse error   | -  |  |  |  |  |
| Err 4     | Abnormal surface/back sensor level  |  |  |  |  |  |
| Err 5     | Error of column division sensor   |  |  |  |  |  |
| Err 6     | <ul> <li>Malfunction due to external noise</li> <li>Abnormal set details of weekly<br/>program</li> </ul> | Set the weekly program again.<br>If it cannot be restored, contact the dealer<br>from whom you have bought the unit. |  |  |  |  |

Under the condition, the clock stops, and no time card cannot be stamped.

#### Daily Maintenance

Cleaning of case when it becomes dirty:



- Wet a soft cloth with water or neutral detergent and wipe the case lightly with the close.
- Do not use benzine, (volatile) thinner and other chemical for cleaning, but the case may be deformed or discolored.
  - Do not spray insecticide over the case, but the case may also be deformed or discolored.

Wipe the window glass with a dry soft cloth. Note that the suface is secially finished.

# Index of Items for Setting

- When setting a program, open the top cover and the setting mode appears. Turn the setting index to select items and press items buttons for setting.
- Set all hours and minutes on the millitary hours system

Items for setting and their explanations are as follows:

| ltems  |                 | Explanation  |    |  |  |  |
|--|-----------------|--|----|--|--|--|
| Date   |                 | To set year, month and day.  | 22 |  |  |  |
| Time   |                 | To set hour and minute.  | 23 |  |  |  |
| Print column change-over<br>(1-row-a-day card)   |                 | To set the time for changing over print column.  | 24 |  |  |  |
| Print column change-over time,<br>morning/afternoon change-over time<br>(2-row-a-day card) |                 | To set the time for changing over print column<br>and also the time for changing over morning and<br>afterboon.                  | 25 |  |  |  |
| Pay period ending date, blank row<br>(monthly pay)   |                 | To set pay period ending date and blank row in time card.  | 26 |  |  |  |
| Pay period ending day of the week,<br>current week (weekly pay)                            |                 | To set pay period ending day of the week and<br>current week (in the case of bi-weekly pay card).                                | 27 |  |  |  |
| Daylight saving time (to date)   |                 | To set daylight saving time to a designated date.  | 28 |  |  |  |
| Daylight saving time<br>(to month and day of which week)                                   |                 | To set daylight saving time to a designated month and day of which week.   | 29 |  |  |  |
| Time signal duration   |                 | To set the length of time signal.  | 30 |  |  |  |
| Print format   |                 | To set formats for daily printing<br>(day of the week, 12-hour system or millitary<br>hours system and minute indication system) |    |  |  |  |
| Weekly   | 2-color         | To set items changed over to 2-color printing.   | 34 |  |  |  |
| program I  | Time signal     | To set details for sounding time signal.   | 35 |  |  |  |
| Weekly   | Print column    | To set column No. for shifting column.   | 36 |  |  |  |
| program II   | RESTRICTED ZONB | To set the time zone of double stamping prevention.  |    |  |  |  |

# Weekly Program Setting List Example of Entry

|                |                       |              | WEEK          | LY PR | OGRAMI | WEEKLY PROGRAM II |                    |    |
|----------------|-----------------------|--------------|---------------|-------|--------|-------------------|--------------------|----|
| PROGRAM<br>NO. | DAY                   | DAY<br>HR/MN | red/<br>Black |       | SIGNAL | PRINTING POSITION | RESTRICTED<br>ZONE |    |
| 01             | W COR CON CONSA SU    | 9:01         | ®             | B     | ×      |                   | 01                 | 02 |
| 02             | M TO M P C P P S A SU | 17:30        | R             | ₿     | X      |                   | 01                 | 02 |
|                |                       |              |               |       |        |                   |                    |    |

Setting List

| PROGRAM | DAY                  | DAY<br>HRMN | WEEKLY PROGRAM 1 |     |        | WEEKLY PROGRAM II |            |    |
|---------|----------------------|-------------|------------------|-----|--------|-------------------|------------|----|
| NO.     |                      |             | BEACK            |     | SIGNAL | PRINTING POSITION | RESTRICTED |    |
| 01      | MO TU WE TH FR SA SU | :           | R                | B   |        |                   | 01         | 02 |
| 02      | MO TU WE TH FR SA SU | ;           | R                | В   |        |                   | 01         | 02 |
| 03      | MO TU WE TH FR SASÚ  | :           | R                | B   |        |                   | 01         | 02 |
| 04      | MO TU WE TH FR SA SU | :           | R                | В   |        |                   | 01         | 02 |
| 05      | MO TU WE TH FR SA SU | ;           | R                | B   |        |                   | 01         | 02 |
| 06      | MO TU WE TH FR SA SU | :           | R                | В   |        |                   | 01         | 02 |
| 07      | MOTUWETHFRSASU       | :           | R                | B   |        |                   | 01         | 02 |
| 08      | MOTUWETHFRSASU       | ;           | R                | В   | [      |                   | 01         | 02 |
| 09      | MOTUWETIIFRSASU      | :           | R                | I B |        |                   | 01         | 02 |
| 10      | MOTUWETHFRSASU       | :           | R                | B   |        |                   | 01         | 02 |
| 11      | MOTUWETHFRSASU       | 1.<br>4     | R                | Β   |        |                   | 01         | 02 |
| 12      | MOTUWETIIFRSASU      | :           | R                | ¦ B |        |                   | 01         | 02 |
| 13      | MOTUWETHFRSASU       | :           | R                | 8   |        |                   | 01         | 02 |
| 14      | MO TU WE TH FR SA SU | :           | R                | B   |        |                   | 01         | 02 |
| 15      | MOTUWETHFRSASU       | :           | R                | ſΒ  |        |                   | 01         | 02 |
| 16      | MOTUWETHFRSASU       | ;           | R                | B   |        |                   | 01         | 02 |
| 17      | MOTUWETH FR SA SU    | :           | R                | B   |        |                   | 01         | 02 |
| 18      | MO TU WE TH FR SA SU | ;           | R                | B   |        |                   | 01         | 02 |
| 19      | MO TU WE TH FR SA SU | :           | R                | B   |        |                   | 01         | 02 |
| 20      | MO TU WE TH FR SA SU | ;           | R                | В   |        |                   | 01         | 02 |
| 21      | MOTU WE TH FR SA SU  | :           | R                | B   |        |                   | 01         | 02 |
| 22      | MOTU WE TH FR SA SU  | ;           | R                | B   |        |                   | 01         | 02 |
| 23      | MO TU WE TH FR SA SU | :           | R                | B   |        |                   | 01         | 02 |
| 24      | MO TU WE TH FR SA SU | :           | R.               | B   |        |                   | 01         | 02 |
| 25      | MOTUWETH FR SA SU    | ; :         | R                | В   |        | +                 | 01         | 02 |

| PROGRAM |                      | DAY   | WEEKLY PROGRAMI |     |        |                   |            |      |
|---------|----------------------|-------|-----------------|-----|--------|-------------------|------------|------|
| NO.     | DAY                  | HR/MN | RED/<br>Black   |     | SIGNAL | PRINTING POSITION | RESTRICTED |      |
| 26      | MOTUWETHFRSASU       | :     | R               | B   |        |                   | 01         | 02   |
| 27      | MOTUWETHPRSASU       | k.    | R               | B   |        |                   | 01         | 02   |
| 28      | MOTUWETHFRSASU       | ;     | R               | B   |        |                   | 01         | 02   |
| 29      | MOTUWETHFRSASU       | :     | R               | ¦ B |        |                   | 01         | ¦ 02 |
| 30      | MOTU WE TH FR SASU   | :     | R               | В   |        |                   | 01         | 02   |
| 31      | MOTU WE TH FR SA SU  | ;     | R               | B   | :      | }                 | 01         | 02   |
| 32      | MOTUWETHFRSASU       | :     | R               | ¦в  |        |                   | 01         | 02   |
| 33      | MOTUWETHFRSASU       | :     | R               | B   |        |                   | 01         | 02   |
| 34      | MOTU WE TH FRSASU    | :     | R               | B   | ĺ      |                   | 01         | 02   |
| 35      | MO TU WE TH FR SA SU | :     | R               | ¦в  |        |                   | 01         | 02   |
| 36      | MO TU WE TH FRSA SU  | :     | R               | В   |        |                   | 01         | 02   |
| 37      | MOTUWETHFRSASU       | :     | R               | B   | ł      |                   | 01         | 02   |
| 38      | MOTUWETHFRSASU       | :     | R               | ¦В  |        |                   | 01         | 02   |
| 39      | MOTU WE TH FR SA SU  | :     | R               | I B |        |                   | 01         | 02   |
| 40      | MOTUWETHFRSASU       | :     | R               | B   |        |                   | 01         | 02   |
| 41      | MOTUWETH FRSASU      | :     | R               | B   | İ      |                   | 01         | 02   |
| 42      | MOTU WE TH FRSA SU   | :     | R               | B   | 1      |                   | 01         | 02   |
| 43      | MOTUWETHFREASU       | :     | R               | I B |        |                   | 01         | l 02 |
| - 44    | MOTUWETH FRSASU      | :     | R               | ¦ B |        |                   | 01         | 02   |
| 45      | MOTUWETHFRSASU       | :     | R               | ¦ B |        |                   | 01         | 02   |
| 46      | MOTU WE TH FRSA SU   | :     | R               | В   |        |                   | 01         | 02   |
| 47      | MOTUWETH FRSASU      | :     | R               | İВ  |        |                   | 01         | 02   |
| 48      | MOTUWETHFRSASU       | ;     | R               | ; B |        |                   | 01         | ¦ 02 |
| 49      | MOTUWETH PRSASU      | ;     | R               | 8   |        |                   | 01         | 02   |
| 50      | MOTUWETHFRSASU       | :     | R               | В   |        |                   | 01         | 02   |

50 weekly programs can be set at most. \* 2-color printing R : Starting time

 $R_{\rm c}$  : Starting time for changing over to printing in red

B : Time for changing over to printing in black

\* RESTRICTED ZONE 01 : Start of double stamping prevention

02 : End of double stamping prevention