ACROPRINT®
Time for Business.™

MODEL 175
USER'S MANUAL

WARNING

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS A LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

LE PRÉSENT APPAREIL NUMÉRIQUE N'ÉMET PAS DE BRUITS RADIOÉLECTRIQUES DÉPASSANT LES LIMITES APPLICABLES AUX APPAREILS NUMÉRIQUES DE CLASSE A PRESCRITES DANS LE RÈGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUE ÉDICTÉ PAR LE MINISTÈRE DES COMMUNICATIONS DU CANADA.

This manual is the confidential proprietary document solely for the use of Acroprint Time Recorder customers. Material in this manual is subject to change without notice and does not represent an obligation on the part of Acroprint Time Recorder. No part of this manual may be reproduced or transmitted in any form by any means without the express written permission of Acroprint Time Recorder.

This User's Manual has been carefully prepared to cover all aspects of the time recorder's use. Before using the time recorder, we recommend you carefully read this manual to familiarize yourself with the Time Recorder.

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INTRODUCTION & FEATURES

INTRODUCTION:

Thank you for purchasing an Acroprint Model 175 Time Recorder. We are confident this time recorder will give you full satisfaction. Items such as the time and date are preset at the factory. After plugging in the AC power the recorder may be used immediately. However we recommend reading this manual before you start using your time recorder.

FEATURES:

Main applications : Payroll/job cost recorder, time stamp or numbering machine.

- Quartz Timing for Accuracy
- Dot-Matrix printer
- Perpetual calendar
- Automatic daylight savings time
- 3-way print activation
  - Automatic when card is inserted
  - Manual push bar printing
  - Semi-automatic
- *Prints 8 languages:*
  English, German, Italian, Portuguese, Spanish, French, Numeric, Roman numbers
- 12 or 24-hour format
- Regular minute, tenths, hundredths or twentieths of an hour.
- Digital LCD display (Date, Hour, Minute, Day of the Week indication)
- Wall or desk top mounting.
- Easy selection of print formats
- Prints numbers and dates

Caution:

Do not use in places:

- Subject to high humidity and dust.
- Exposed to strong or continuous vibrations.
- Exposed to direct sunlight.
- The temperature range in which all functions of the Time Recorder will operate correctly is from -5 °C to 45 °C. Be sure to place your time recorder only in locations where the temperature range is not exceeded and has no sharp fluctuations in temperature.

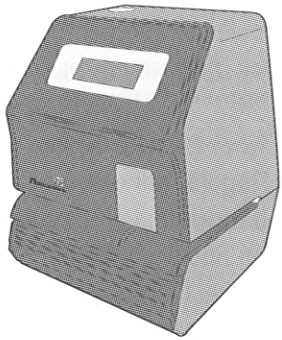
BEFORE USING YOUR TIME RECORDER

Package Contents

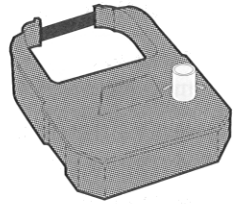
Unpack the Time Recorder and check its contents to ensure that the time recorder unit and all accessories as shown below are included.

Attached Accessories

•Time recorder

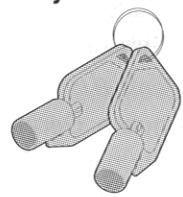


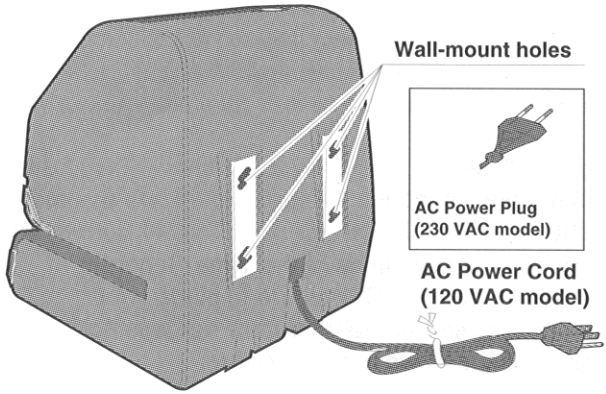
•Ribbon cassette ..... 1 pc.



• The ribbon cassette is installed at the factory.

•Keys ..... 2 pcs.

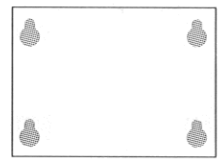




•Wall-mount fittings

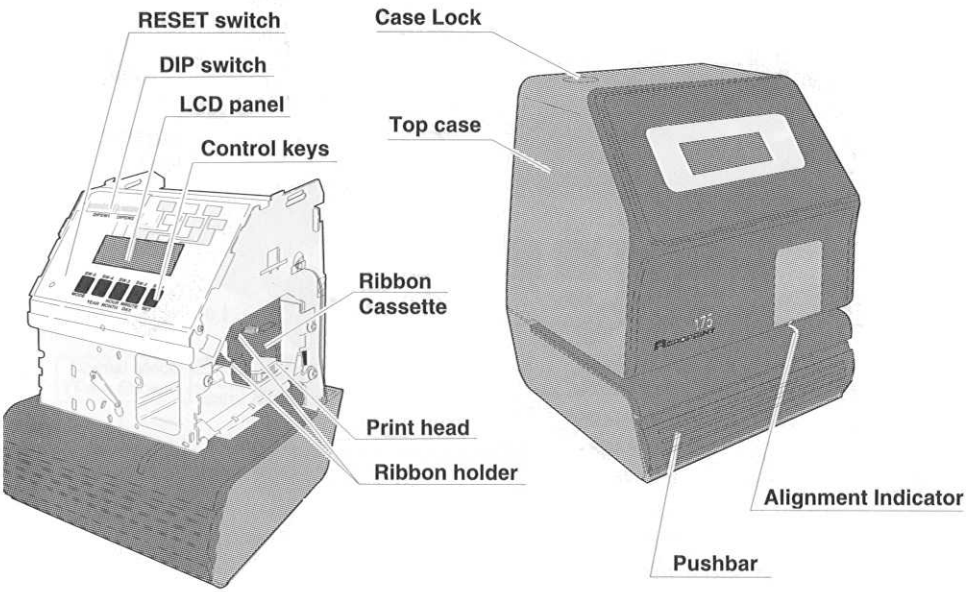
Screw ..... 4 pcs.

Template ... 1 sheet



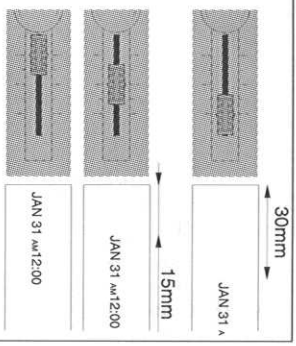
Location of Components

It is important to become familiar with the Time Recorder before setting it up and using it.



Print position adjuster

The print position from the card edge is adjustable by pressing and sliding the print position button on outside bottom.



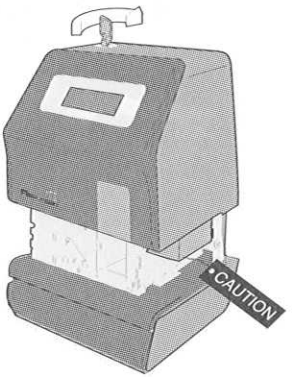
PRINT POSITION ON TIME CARD

The print position from the card edge is adjustable by pressing and sliding the print position button located on the right outside bottom of the recorder. Maximum distance from edge of form to print is approximately 1 3/16" (30 mm).

QUICK EASY SETUP

Step 1

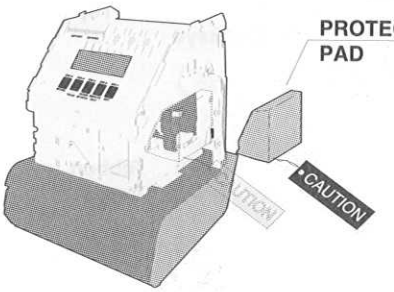
Unlock the key and remove the top case.



Step 2

Remove the PROTECTION PAD.

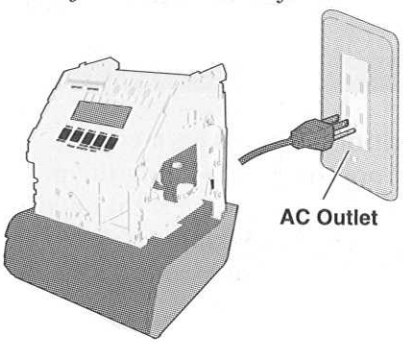
⚠ Remove the PROTECTION PAD before you plug the AC cord into the AC outlet.



Step 3

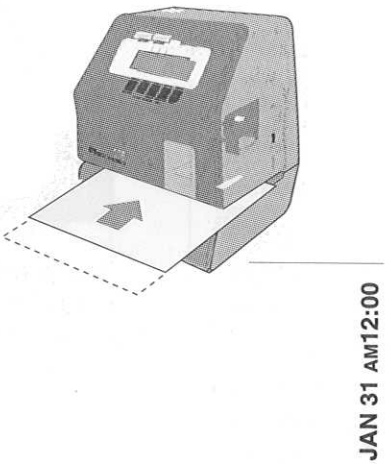
Plug the AC cord into the AC outlet.

When plugged in the LCD panel indicates the current time. It is now ready to be adjusted if necessary.



Step 4

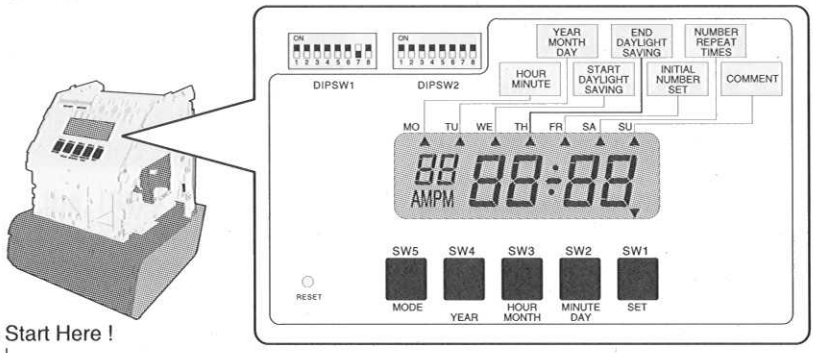
Insert a card.



Print example

SETTING THE SEQUENCE

Note: Although the Model 175 is already running on a lithium battery when you receive it, the clock must be plugged into a steady power source in order to perform any of the following functions.
To enter one of the set modes below, remove the case to access the 5 tactile switches, SW5 to SW1. < > indicates pressing a tactile switch.
Pressing longer will realize faster increments.



Always Start Here !

Normal Mode (Time Shown)
<SW5>
<SW1>

Time Set Mode Refer to Page 7
<SW3,**SW2**>
<SW1>:Set change
<SW3> increases Hour
<SW2> increases Minute
< SW5 >:No set change

< SW1 >
Date Set Mode Refer to Page 6
< SW4,SW3,SW2 >
<SW1>:Set change
<SW4> increases Year
<SW3> increases Month
<SW2> increases Day
< SW5 >:No set change

< SW1 >
DST Start Set Mode Refer to Page 8
< SW4,SW3,SW2 >
<SW1>:Set change
<SW4> increases Year
<SW3> increases Month
<SW2> increases Day
< SW5 >:No set change

< SW1 >
DST End Set Mode Refer to Page 9
< SW4,SW3,SW2 >
<SW1>:Set change
<SW4> increases Year
<SW3> increases Month
<SW2> increases Day
< SW5 >:No set change

< SW1 >
Initial Number Set Mode Refer to Page 10
< SW4,SW3,SW2 >
<SW1>:Set change
<SW4> increases High digits
<SW3> increases Mid digits
<SW2> increases Low digits
< SW5 >:No set change

< SW1 >
Number Repeat Times Set Mode Refer to Page 10
< SW2 >
<SW1>:Set change
<SW2> increases Times
< SW5 >:No set change

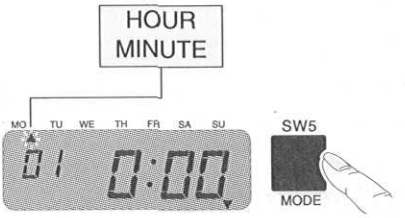
< SW1 >
Comment Set Mode Refer to Page 11
< SW2>
<SW1>:Set change
<SW2> increases Comment Number
< SW5 >:No set change

Notes : <SW5> indicates pressing the function key SW5.
DST: Daylight Saving Time

Example:
In case you want to advance the current time by 2 minutes, press **SW5, SW2, SW2, SW1,** and **SW1** again to return to the current time as shown in bold characters above.

SETTING THE TIME

Step 1



Press the [SW5 : MODE] key once, the "HOUR MINUTE" arrow flashes.

Step 2

Example :
Set to Morning 10:08 AM.

Press the [SW3 : HOUR / MONTH] key until the correct hour appears.
The seconds are automatically reset to 00.
Pressing switch SW3 advances the hour automatically.
Longer pressing speeds advancement.

Step 3

Press the [SW2: MINUTE / DAY] key until the correct minute appears.
Pressing switch SW2 advances the minute automatically. Longer pressing speeds advancement.

Step 4

Press the [SW1: SET] key after checking the selected time appears on the LCD.
The seconds are 00. Press [SET] accordingly to a time signal. The unit is now set to correct time.

Step 5

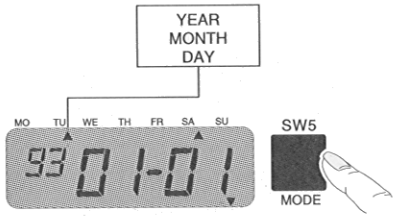
Press the [SW1: SET] key again.

IMPORTANT: If you do not complete Step 5, the clock will not print.

SETTING THE DATE

After the time, set the present date in the following sequence.

Step 1



Press the [SW5 : MODE] key twice, the "YEAR / MONTH / DAY" arrow flashes.

Step 2

Example : Set to 8th August, 1994

Press the [SW4 : YEAR] key until the correct year appears.
Pressing switch SW4 advances the hour automatically. Longer pressing speeds advancement.

Step 3

Press the [SW3 : HOUR / MONTH] key until the correct month appears.

Step 4

Press the [SW2: MINUTE / DAY] key until the correct day appears.
Pressing switch SW2 advances the day automatically. Longer pressing speeds advancement.

Step 5

Press the [SW1: SET] key after checking the selected year, month and day on the LCD.

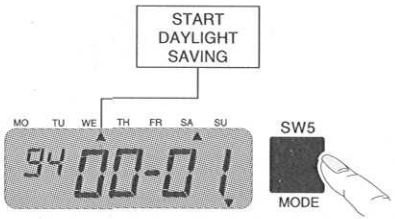
Step 6

Press the [SW1: SET] key again.
IMPORTANT: If you do not complete Step 6, the clock will not print.

SETTING THE STARTING DAYLIGHT SAVING TIME

When the daylight saving time is set, one hour will be automatically added to the day advance time on the starting date and, similarly, one hour will be automatically subtracted on the ending date of the daylight saving time.

Step 1



Press the [SW5:MODE] key three times, the "START DAYLIGHT SAVING" arrow flashes.

Example :
Starting from Second of April, 1995

Step 2

Press the [SW4 : YEAR] key until the correct year appears.
Pressing switch SW4 advances the year automatically. Longer pressing speeds advancement.

Step 3

Press the [SW3 : HOUR / MONTH] key until the correct month appears.

Step 4

Press the [SW2: MINUTE / DAY] key until the correct day appears.
Pressing switch SW2 advances the day automatically. Longer pressing speeds advancement.

Step 5

Press the [SW1: SET] key after checking the selected year, month and day on the LCD.

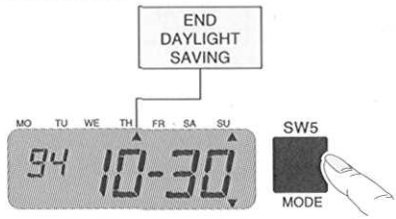
Step 6

Press the [SW1: SET] key again.

⚠ If you do not use the daylight saving time function, set the month value to 00.

SETTING THE ENDING DAYLIGHT SAVING TIME

Step 1



Press the [SW5 : MODE] key four times, the "END DAYLIGHT SAVING " arrow flashes.

Example :
End on 29th of October, 1995

Step 2

Press the [SW4 : YEAR] key until the correct year appers.
Pressing switch SW4 advances the year automatically. Longer pressing speeds advancement.

Step 3

Press the [SW3 : HOUR / MONTH] key until the correct month appears.

Step 4

Press the [SW2: MINUTE / DAY] key until the correct day appears.
Pressing switch SW2 advances the day automatically. Longer pressing speeds advancement.

Step 5

Press the [SW1: SET] key after checking the selected year, month and day on the LCD.

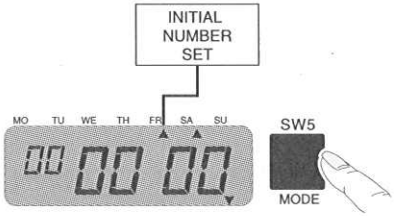
Step 6

Press the [SW1: SET] key again.

INITIAL NUMBER & REPEAT TIMES SETTING

INITIAL NUMBER SET

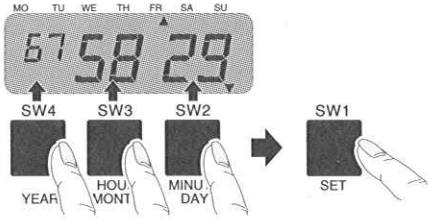
Step 1



Press the [SW5 : MODE] key five times, the "INITIAL NUMBER SET" arrow flashes.

Example :
Setting initial number to 675829.

Step 2



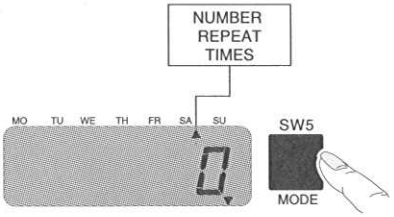
Press the SW2, 3 or 4 key until the correct number appears.
Longer pressing speeds advancement.
Press the [SW1: SET] key after checking the desired number on the LCD.

Step 3

Press the [SW1: SET] key again.

NUMBER REPEAT TIMES SET

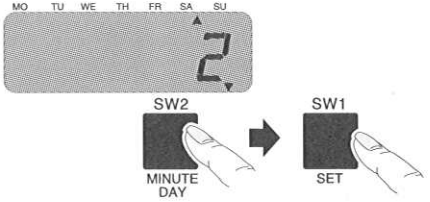
Step 1



Press the [SW5 : MODE] key six times, the "NUMBER REPEAT TIMES" arrow flashes.

Example :
Setting 2 times repeat.
The repeat times can be set to 0 to 9.

Step 2



Press the [SW2 : MINUTE / DAY] key until the correct number appears.
The repeat times can be selected 0 to 9.
Press the [SW1: SET] key after checking the selected number on the LCD.

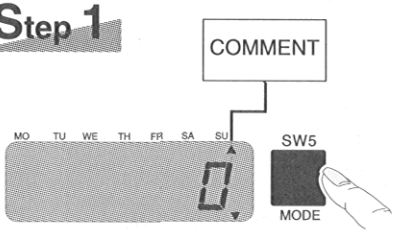
Step 3

Press the [SW1: SET] key again.

COMMENT SETTING & WALL MOUNTING

COMMENT SETTING

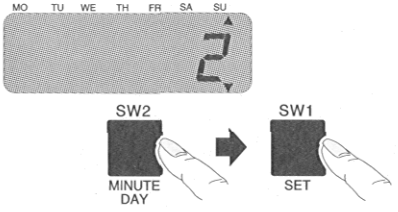
Step 1



Press the [SW5 : MODE] key seven times, the "COMMENT" arrow flashes.

Example :
Setting the comment to SENT.

Step 2



Press the SW2 key until the correct number appears.

No.	1	2	3	4	5	6	7
Comment	RCVD	SENT	IN	OUT	CMFD	FILED	PAID

•The comment will change according to country selection by DIP switch 2-6, 7 and 8.

Press the [SW1: SET] key after checking the desired number on the LCD.

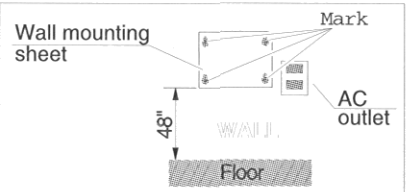
Step 3

Press the [SW1: SET] key again.

WALL MOUNTING

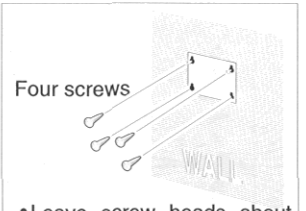
Step 1

1 Select wall area near AC outlet.
2 Measure 48 inchs (122cm) from the floor.
3 Mount the Time Recoder on wood or a surface which can support weight (dry wall will not support unit).



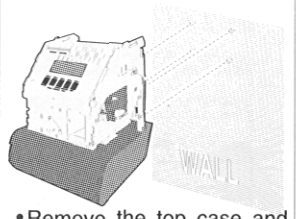
•Using nail mark center of hole.

Step 2



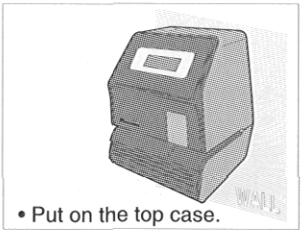
•Leave screw heads about 1/8" from wall.

Step 3



•Remove the top case and hang on the wall.

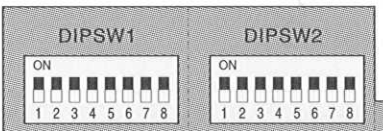
Step 4



• Put on the top case.

PRINT FORMAT SETTING

DIP SWITCH SETTING



1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	PRINT EXAMPLE	MEANING	
○○○○○○○○	○○○○○○○○	JAN 31 AM12:00	Mon, Day, Hour, Min	
●○○○○○○○	○○○○○○○○	'94 JAN 31 AM12:00	Year, Mon, Day, Hour, Min	
●○○○●○○○	○○○○○○○○	31 JAN '94 AM12:00	Day, Mon, Year, Hour, Min	
●○○○○●○○	○○○○○○○○	JAN 31 '94 AM12:00	Mon, Day, Year, Hour, Min	
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●●●○●○○○	○○○○○○○○	RCVD '94 JAN 31	Com, Year, Mon, Day	
●●●●●○○○	○○○○○○○○	JAN 31 '94 RCVD	Mon, Day, Year, Com	
●●●○○●○○	○○○○○○○○	31 JAN '94 RCVD	Day, Mon, Year, Com	
●●●●○●○○	○○○○○○○○	94 JAN 31 RCVD	Year, Mon, Day, Com	
●●●●●●○○	○○○○○○○○	RCVD 31 AM12:00	Com, Day, Hour, Min	
○○○○○○○○	○○○○○○○○	JAN 31 AM12:00	Flush Left Print	①
○○○○○○○●	○○○○○○○○	ɔ0:ZIMA 13 NAſ	Flush Right Print	
○○○○○○○○	○○○○○○○○		Print by Card	②
○○○○○○○●	○○○○○○○○		Print by Pushbar	
○○○○○○○○	●○○○○○○○		Print by Card & Pushbar	
○○○○○○○○	○○○○○○○○	JAN 31 AM12:40	60 min./Hour	⑤
○○○○○○○○	○●○○○○○○	JAN 31 AM12.67	100 min./Hour	
○○○○○○○○	○○●○○○○○	JAN 31 AM12.65	20 min./Hour	
○○○○○○○○	○●●○○○○○	JAN 31 AM12.6	10 min./Hour	
○○○○○○○○	○○○○○○○○	JAN 1 PM 3:00	Zero Disabled	④
○○○○○○○○	○○○●○○○○	JAN 01 PM 03:00	Zero Enabled	
○○○○○○○○	○○○○○○○○	JAN 31 PM 3:00	AM/PM	③
○○○○○○○○	○○○○●○○○	JAN 31 15:00	24 Hours	
○○○○○○○○	○○○○○○○○	JAN 31 AM12:00	English	
○○○○○○○○	○○○○○○○●	ENE 31 AM12:00	Spanish	
○○○○○○○○	○○○○○○●○	JAN 31 AM12:00	German	
○○○○○○○○	○○○○○○●●	JAN 31 AM12:00	French	
○○○○○○○○	○○○○○○○●	GEN 31 AM12:00	Italian	
○○○○○○○○	○○○○○●●●	JAN 31 AM12:00	Portuguese	
○○○○○○○○	○○○○○○●●	I 31 AM12:00	Roman	
○○○○○○○○	○○○○○●●●	1 31 AM12:00	Numeric	

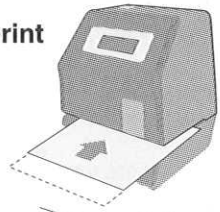
The comment will change according to country selection by DIP switch 2-6, 7 and 8.

○: OFF ●: ON

Mon : Month DOW: Day Of Week Com: Comment
Min : Minute Num: Sequential Number (Refer to page 10).

PRINT METHOD SETTING

① Left or right print



DIP switch 1-7 : ON **DIP switch 1-7 : OFF**

The DIP switch 1-7 is used to select whether to print flush right or flush left on the card.

② Print switch

Automatic print
Inserting the card automatically initiates printing.

Semi-automatic print **DIP switch 2-1 : ON**
Only with the card inserted, pressing the pushbar starts printing.

Manual print **DIP switch 1-8 : ON**
Even with no card, pressing the pushbar starts printing.

The DIP switch 1-8 and 2-1 are used to select the said three methods.

③ Type of an hour

JUN 13 18:08

DIP switch 2-5 : ON

JUN 13 PM6:08

DIP switch 2-5 : OFF

Time can be displayed on a 12-hour (AM,PM) or 24-hour basis. DIP switch 2-5 is used for selection. Print also changed accordingly.

④ Leading 0

Leading 0 for hours less than 12 may be shown (enable) or suppressed (disable) on print.

DIP switch 2-4 : ON → JUN 13 AM08:08

Print Example

DIP switch 2-4 : OFF → JUN 13 AM8:08

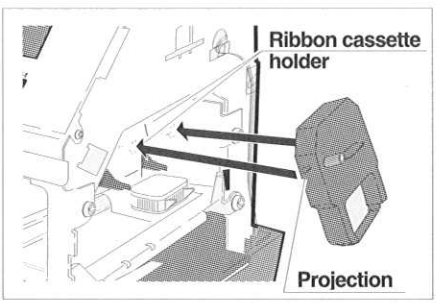
⑤ Type of a minute

You may select portions of the hour to print in minutes, tenths, hundredths, or twentieths of an hour. DIP switches 2-2 and 2-3 are used for selection.

Print contents	Print Example
To divide an hour by 60 : 0, 1, 2 ,,,,58, 59, 0, 1, 2,,,,	JAN 1 AM12:40
To divide an hour by 100 : 0, 1, 2 ,,,,98, 99, 0, 1, 2,,,,	JAN 1 AM12.67
To divide an hour by 20 : 0, 5, 10 ,,,,90, 95, 0, 5, 10,,,,	JAN 1 AM12.65
To divide an hour by 10 : 0, 1, 2 ,,,,8, 9, 0, 1, 2,,,,	JAN 1 AM12.6

REPLACING RIBBON CASSETTE

1. Carefully slide the exposed ribbon under the print head.
2. Push cassette with the projection into the ribbon cassette holder until snapped into place.
3. Turn the ribbon feed knob clockwise until the ribbon is taut.
4. Take sample impression.



SPECIFICATIONS

MAIN FUNCTION

Calendar Year up to 2089
(Automatically adjusted to leap year)

Clock accuracy Monthly accuracy ±15 seconds
(at ordinary temperatures)

Display Digital LCD with 7 segments
Date, Hour, Minute and day of the week indication

Daylight saving time Auto

Comment print 7 lines(RCVD [ReCeiVeD] SENT / IN / CFMD [ConFirMeD] / OUT / FILED / PAID)

DIP switch 16 poles

Memory Backup 3 year memory backup by lithium battery.

PRINT FUNCTION

Print method Impact Dot Matrix - 9pins
3-way Card activated automatic, manual or semi-automatic

Print position/ direction Adjustable trigger trip
Right/Left print by DIP switch

No.of printable character: Maximum 15 figures (excluding space)
Numbering : Up to 6 figures

Hour & minute format 12 or 24-hours format, regular minute, 1/10,1/100 or 5/100 of a hour.

Multiple copies Original + 4
(Maximum thickness 3mm or less)

Ribbon cassette Carry-on cassette type fabric ink ribbon

OTHER SPECIFICATIONS

Power supply 120 VAC
230 VAC

Power consumption
120 VAC ●●●●● 20 VA max.while printing
●●●●● 4 VA while idling
●●●●● 0.2 A max.while printing
230 VAC ●●●●●20 VA max.while printing
●●●●● 4 VA while idling
●●●●● 0.1 A max.while printing

Temperature Operating -5° C - 45° C

Humidity Operating 20% - 80%RH
(No condensation)

Dimensions 6 27/32" X 6 3/16" X 8 3/16"
(174mm(w) X 157 mm(D) X 208mm(H))

Weight Approximately 5.5lb.(2.5Kg)

OPTION

Ribbon cassette Cat No.#39-0121-000(Black ink)
Cat No.#39-0121-002(Red ink)

Operation battery Cat No.58-0108-000
Allows for 200 prints during power outages

In case of power failure

Even if a power failure has occurred, the optional built-in battery backs up to 72 hours (roughly three days), provided that the battery cells are fully charged.

No printing battery capacity

The display is flashing when detecting low battery capacity. Please stop printing until AC power supply is resumed.

If you still keep printing, the time recorder will jam. Press the RESET switch on the control panel by using a pair of tweezers. In this case, the calendar clock is cleared.

Bescheinigung des Herstellers/Importeurs

Dies Gerät entspricht den Bedingungen der Niederspannungs-Vorschrift 73/23/EEC und dem EMVG nach 89/336/EEC.

This unit complies with the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC.

Maschinenlärminformationsverordnung 3. GSGV, 18.01.1991: Der arbeitsplatzbezogene Schalldruckpegel beträgt 70 dB(A) oder weniger gemäß ISO 7779.

Die zugehörige Steckdose muß nahe beim Gerät angebracht und leicht zugänglich sein.

Printed in Japan

Q7030-6120-2
06-0192-000
Rev.B

MEMO

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