

# TIME STAMP TP-50 USER'S MANUAL

## Introduction

Thank you for purchasing our Time Stamp. For safe and proper operation, please carefully read this manual before using it and save it for reference.

- The contents of this User's Manual are subject to change without prior notification.
- This User's Manual has been prepared with the utmost care to cover all aspects of the Time Stamp's use. If you feel, however, that some explanations are inadequate, unclear, or difficult to understand, please do not hesitate to contact the dealer or the shop from whom you have purchased your Time Stamp.
- Be sure to use your Time Stamp after you have fully understood the hardware and software specifications and limits.
- No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, photocopying, recording or otherwise.
- Place the Time Stamp at the position close to the wall outlet so that it is easily accessible to disconnect.
- This device is not intended for use in the direct field of view at visual display workplaces. To avoid incomming reflections at visual display workplaces this device must not be placed in the direct field of view.
- Images in this manual are different from the actual images.

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## Precautions

This user's manual is prepared for safe and proper use of the device. Please follow all the instructions to avoid possible danger to yourself or others and damage to the device.

### Signs

Various warnings and cautions are provided throughout this manual along with signs. Remember each sign and its explanation listed below for your safety and proper operation of the device.

	<b>Warning</b>	Improper handling may cause bodily accidents including death and serious injury.
	<b>Caution</b>	Improper handling may harm the human body or material.

	Improper handling may cause electric shock DANGER.		"Must-Do" sign.
	DO NOT disassemble the device.		Be sure to remove the line cord plug from the outlet.
	"Do not" sign.		

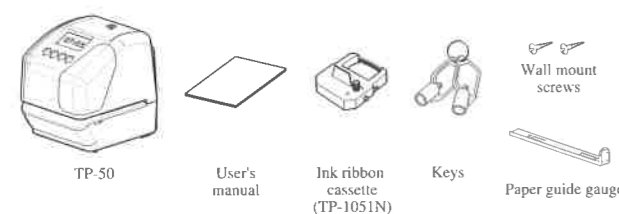
		<b>Warning</b>
	Do not disassemble the device. There is a high voltage present inside, possibly leading to an electric shock.	
	Do not modify the device. Modifications may cause a fire and/or electric shock.	
	If any anomaly occurs, for example, heat or smoke is generated or an odor is emitted, unplug the device immediately and contact your dealer for servicing. There is a danger that further use may cause a fire or electric shock.	
	Do not use any voltage of the power source other than designated. Do not share a single outlet with another plug. These may lead to fire or shock hazards.	
	Do not damage, break, or modify the power cord. Do not put a heavy object on, pull, or forcefully bend the cord, either. These may damage the cord, possibly resulting in a fire or electric shock.	

	If foreign matter should get in the device (including a piece of metal, water, or liquid), disconnect the plug from the outlet immediately and contact your dealer for servicing. There is a danger that further use may cause a fire or electric shock.
	Do not plug or unplug the device with a wet hand. You may get an electric shock.

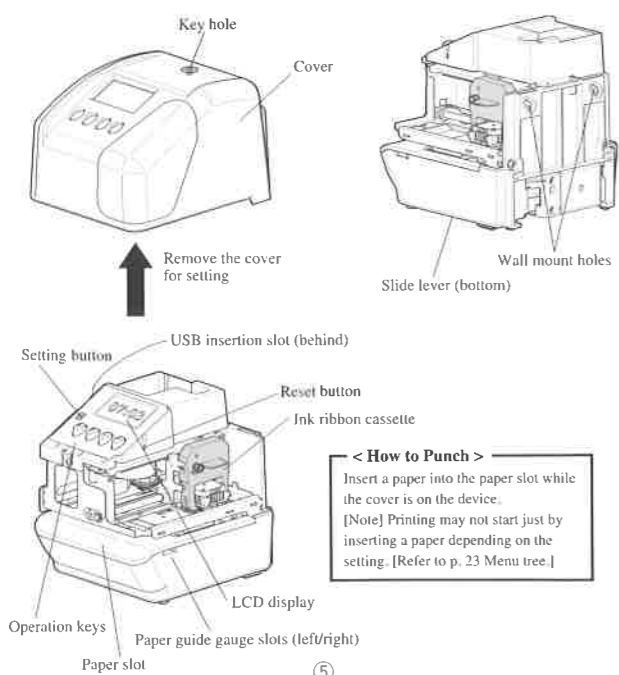
		<b>Caution</b>
	Do not place the device on an uneven or tilted surface. This may result in injuries due to the device dropping or falling off.	
	Do not put a water-filled container or a metal object on top of the unit. If water is spilled or the metallic object slips inside, a fire or shock hazard may occur.	
	Do not install the device in a humid or dusty environment. It may cause a fire or electric shock.	
	Do not place the device near kitchen counter or humidifier. Oil, smoke, or steam generating from them may cause fire or shock hazards.	
	Do not yank the power cord to disconnect from the outlet. Hold the plug with your hand to do so, or the cord may be damaged, possibly leading to a fire or electric shock.	
	Remove the line cord plug from the outlet before transferring the device, or it may damage the cord, possibly leading to a fire or electric shock.	
	Be careful not to contact the print head, as you may get hurt or burned.	
	Make sure to insert the power plug as far as it will go. Improper insertion of the plug may develop fire or shock hazards.	
	If the device should be dropped or the case be broken, unplug the device and contact your dealer for servicing. Further use may lead to a fire or shock hazard.	

<b>Daily Care</b>	For cleaning, turn the power off and wipe the case clean of dust and dirt with a dry cloth, etc.
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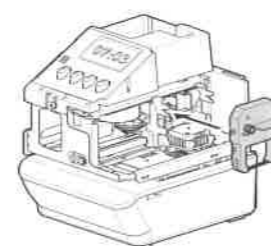
## Packing contents



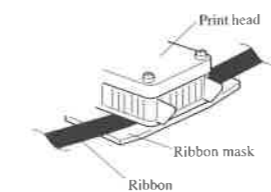
## Overview



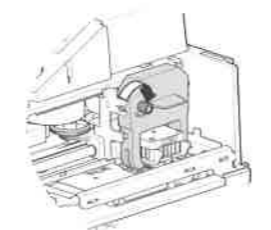
## Replacing ink ribbon cassette



- Unlock the key and remove the cover.
- Hold the ink ribbon cassette by its tab and pull straight out to remove it.
- Turn the knob of the new cassette in the direction of the arrow (clockwise) to tighten the ribbon.
- Place the cassette inside the device as shown in the figure. Push the cassette until it snaps into the position. Turning the knob of the cassette may make installation easier.

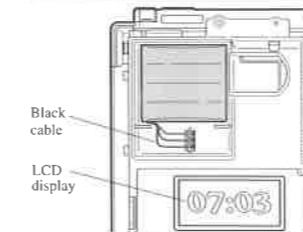


[Note]  
Install the cassette so that the ribbon is between the print head and the ribbon mask. Printing will not come out properly if the ribbon is placed under the ribbon mask.



- Turn the knob of the cassette in the direction of the arrow to tighten the ribbon.
- Replace the cover and lock.

## Installation of optional battery

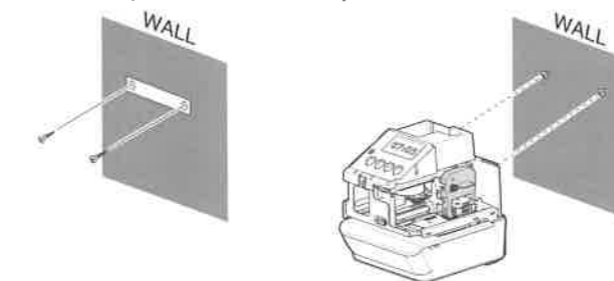


- Unlock the key and remove the cover.
- Insert the battery connector into the compartment connector to install the battery. Be sure to connect the black cable to the display side.
- Replace the cover and lock.

[CAUTION]  
Replace the optional Ni-MH rechargeable battery with part number QR-12004N (HHR-06TH7W1) only.  
Use of another battery may be at risk of fire or explosion.  
Dispose of used batteries in accordance with applicable local regulations.

## Wall mounting

[CAUTION]  
The supplied screws are intended for use on a thick wooden wall or wooden column. Do not use them on any other materials. The device may come off if used on other materials.



- Install the supplied wall mount screws into a wall by using the template. Be sure to keep about 6mm (1/4") of the screw head away from the wall.
- Unlock the key and remove the cover. And then hang it on the wall.
- Replace cover and lock.

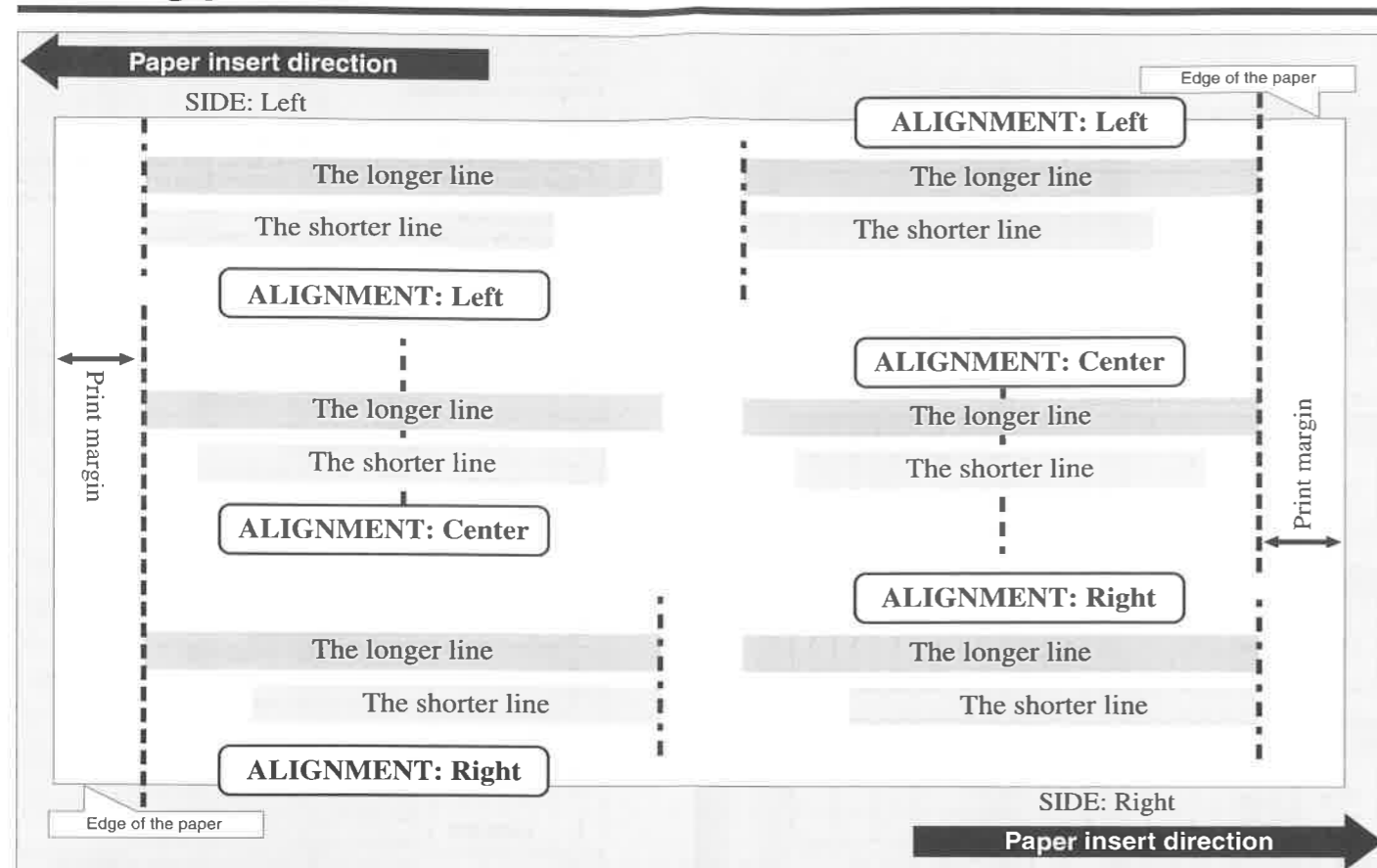
## Wall mount template

Please copy and use this template when needed.

Leave about 6mm (1/4") gap between wall and screw head.



## Printing position



You can change "Print margin" by sliding the lever on the bottom of the device.

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## Extra functions via USB

Only standard functions are available on the device. Extra functions, such as selectable 4 print sets, counters, and more flexible contents using several fonts in customized comments, are available by installing the setting file made on PC or application software via USB stick.

Also, USB stick can pick up punch data stored in the device as csv file.

[Note]

- As for the application software for setting file, please contact the shop from whom you bought the device.
- The device stores punch data with value of the counter only.

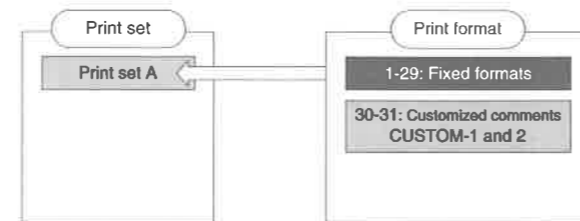
Available number of function	Setting by		Extra function (Incl. std. function)
	Standard function	Device Setting file	Setting file
	Print set	1	4
	Customized comment	2	8
	Font (by control code)	N/A	Available
	Numbering counter	1	4
	Time shift	1	4

### [CAUTION]

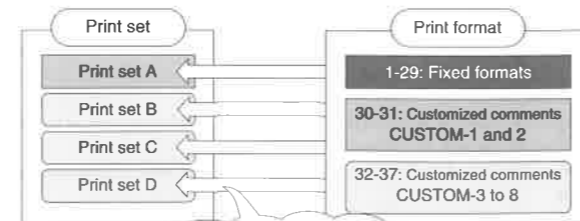
- The USB insertion slot is for USB stick only, and will not support other devices. The provided USB interface is compatible with USB 2.0 full-speed (12Mbps) only.
- USB stick protected physically can't be used on the device.
- Do not remove the USB stick and do not remove power to the device during use of the USB stick. Interrupted communication to the USB stick could result in loss or corruption of data and damage to the device.
- In no event shall we be liable for lost or damaged data, or recovery of lost or damaged data, on the device or USB stick.

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### Setting on the device



### Setting by the setting file

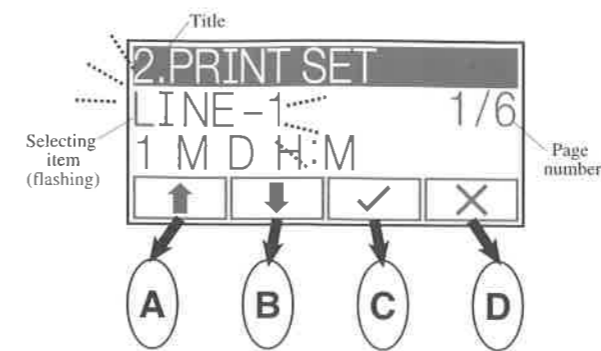


Select any two formats for the 1st and the 2nd line of each print set.

- Standard function on the device.**  
You can set it on the device as well as by the setting file. You can select extra function even for print set A.
- Extra function controlled by the setting file.**  
You can not set/change them on the device.
- Fixed formats.**  
You can not change the content and order.

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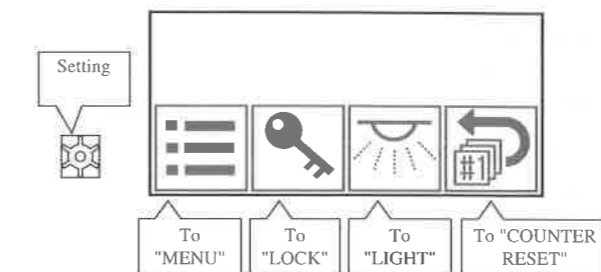
## Display



Functions of operation keys (A - D) are displayed by the icons on LCD. You can operate flashing item by clicking down the corresponding keys.

## Start setting

To start setting, click down the setting button first. According to indicated icons, click down a corresponding key. (Refer to p.21 Menu tree.)



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## Specifications

Clock accuracy	Monthly accuracy $\pm 15$ sec. (at ordinary temperature)
Calendar	Year up to 2099. Automatically adjusted to leap years, 31-day months and months with thirty or fewer days, and the days of the week.
Printing system	Dot matrix imprint
Power failure compensation	Three years of cumulative power failure hours after the date of shipment
Print at power failure	Optional battery, 100 times printing or 24 hours (option)
Operating environment	Temperature: $-5^{\circ}\text{C}$ to $+45^{\circ}\text{C}$ : $+23^{\circ}\text{F}$ to $+113^{\circ}\text{F}$ Humidity: 20% to 80%RH, no condensation The device operates normally at temperatures of $5^{\circ}\text{C}$ or below, but the print density, reaction of the liquid crystal display, and the number of prints at power failure are inferior to those at normal temperature operation.
Dimensions	156(W) x 179(D) x 181(H) mm 6-5/32"(W) x 7-1/16"(D) x 7-1/8"(H)
Weight	Approx. 1.9kg (4.2lbs)
Power consumption	120VAC 50/60Hz 0.6A 220-240VAC 50/60Hz 0.4A
Memory	1,022 punch data or less

This device complies with the Low Voltage Directive 2014/35/EU and the EMC Directive 2014/30/EU.

## Environmental conditions

Avoid placing the device in environments that are:

- humid or dusty
- exposed to direct sunshine
- subject to frequent or continuous vibrations
- outside the temperature range between  $-5^{\circ}\text{C}$  and  $45^{\circ}\text{C}$  ( $+23^{\circ}\text{F}$  and  $+113^{\circ}\text{F}$ )
- affected by chemicals or ozone

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## Icons

Icon	Function
	Selectable print set (A, B, C, and D)
	Selected print set (A, B, C, or D)
	Unselectable print set
[Note] The icon A, B, C, or D will not appear on the display when the corresponding print set is not installed.	
	Previous / Next menu
	Set / Cancel
	Change value
	Select next / previous option
	Move the cursor to Left / Right
	Input mode
	Delete mode
	Insert mode
	Change Lock/Unlock of print set selection
	Change Lock/Unlock of punching Change ON/OFF of the light at print area
	Change ON/OFF of the light on the display

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# Menu tree

[Note] The options with underline are default settings.

MENU	Selectable options	Explanation
<b>1. CLOCK</b> TIME DATE  YEAR MONTH DATE  DISP. HOURS DISP. ORDER	HH:MM 00 - 99 01 - 12 01 - 31  1. AM/PM, 2. 24 HOURS 1. DD MMM DOW, 2. MMM DD DOW 3. DOW DD MMM, 4. DOW MMM DD	<b>Set the current date and time for calendar and clock.</b>  [Note] • When you set D.S.T. period, the display shows "DST" during the D.S.T. period. • When you select 7. NUMERIC on "8. LANGUAGE", month (MMM) will be expressed by number. • "TIME" and "DATE" of "1. CLOCK" can not be set by the setting file via USB stick.
<b>2. PRINT SET</b> LINE-1 LINE-2 SIDE ALIGNMENT TIME SHIFT COUNTER	1 - 31 [Refer to p.25 Format list] 0 - 31 [Refer to p.25 Format list] 1. LEFT, 2. RIGHT 1. LEFT, 2. CENTER, 3. RIGHT 0. N/A, 1. SHIFT-1 1. COUNTER-1	<b>Set formats of each line, print position, time shift, and numbering counter.</b>  [Note] • When the setting is installed via USB stick, TP-50 can have up to 4 print sets. • You can select a format from 1 to 31 on the device. When the setting is installed via USB stick, the display may show other format numbers from 32 to 37. • When you select '1. SHIFT-1' on "5. TIME SHIFT", the shifted date and time is printed instead of the current date and time. • You can select only 'SHIFT-1' (print of the shifted date and time) or 'Not apply' (print of the current time) on the device. When the setting is installed via USB stick, the display may show other shift No., SHIFT-2, 3, or 4. • You can select only 'COUNTER-1' on the device. When the setting is installed via USB stick, the display may show other counter No., COUNTER-2, 3, or 4.
<b>3. CONTENTS</b> YEAR HOURS MINUTE LEADING ZERO FIXED CMNT C1-FONT CUSTOM-1 C2-FONT CUSTOM-2	1. 2 DIGITS, 2. 4 DIGITS 1. AM/PM, 2. 24 HOURS 1. 1/60, 2. 1/100, 3. 1/20, 4. 1/10 1. WITHOUT 2. WITH 1 - 15 [Refer to p.25 Fixed comment list] 1. BOLD, 2. LARGE, 3. SMALL (characters for the first line) 1. BOLD, 2. LARGE, 3. SMALL (characters for the second line)	<b>Set print style and comment.</b> C1 (or 2)-FONT is to select print font of CUSTOM-1 (or 2).  [Note] • When you select '1. AM/PM' on "HOURS", AM/PM is also printed before the time. • CUSTOM-1 and 2 can be selected for print on setting of "LINE-1" or "LINE-2" on "2. FORMAT" as No. 30 and 31. • To set CUSTOM-3, 4, 5, 6, 7, and 8, you need the setting file installing via USB stick. • Leading zero is attached to month (in case 7. Numeric) is selected on "8. LANGUAGE", date, and time. The setting will not affect year and numbering counter.
<b>4. COUNTER</b> DIGIT MAXIMUM MINIMUM INITIAL REPEAT LOOP RESET	1 - 8 1 - 99999999 0 - 99999998 0, 1 - 99999999 -9, ..., -1, 0, +1, ..., +9 1. STOP, 2. LOOP 1. PROHIBIT, 2. DAILY, 3. MANUAL	<b>Set rule of the numbering counter.</b>  [Note] • TP-50 records only punches with the counted number in the memory of the device. • Once you change any parameter on this setting, value of the counter will go back to the initial number. • Plus (+) means increment (count-up), and minus (-) means decrement (count-down). Number means repeat times. (0 means fixed counter.) When you select +3, the device prints same number three times, and steps up to the next number after that. • When you select '1. STOP' on "LOOP", the counter stops at the maximum/minimum number, and you can not punch anymore. When you select '2. LOOP', the counter will start counting up (down) from the minimum (maximum) number again.
<b>5. TIME SHIFT</b> SHIFT-1	00 - 14 HH:MM	<b>Set shifting days and time (to the future) to print instead of the current time.</b>
<b>6. PROGRAM</b> NO. 01 - 48	DOW TIME ACTION  SUN, MON, TUE, WED, THU, FRI, SAT HH:MM P-LOC, P-UNL S-LOC, S-UNL SEL-A, SEL-B, SEL-C, SEL-D	<b>Set programs to control print allowance and print set selection.</b> You can specify the execution of the program by setting D.O.W, time, and action. There are three types of action as shown below. When the specified D.O.W, and time comes, the action (as programmed) will be executed. The program and action remains in effect until another program is executed which contains a different action of the same type. When you set to "--" on "DOW" of the weekly program, the program will be deleted.  Types of action: P-LOC / P-UNL: Set to print lock / unlock. During the effective time of 'P-LOC', punch is prohibited, and the light at print area is off. S-LOC / S-UNL: Set to print set selection lock / unlock. During the effective time of 'S-LOC', selecting a print set is prohibited. SEL-A, B, C, or D: Change a print set to the specified print set at the execution time on the D.O.W. (You can also change print set by key operation even during the effective time of the program. However, when 10 seconds pass, it will automatically go back to the print set specified by the program. If you want to fix print set, you also need to make another program with S-LOC.)
<b>7. PR.METHOD</b> ACTIVATION	1. AUTO, 2. SEMI-AUTO, 3. MANUAL	<b>Select a method of print activation.</b> AUTO: When the paper sensor on the device detects a paper, the device starts to print the selected print set. SEMI-AUTO: You can punch by clicking down a key corresponding to the print set which you want to print, while the paper sensor on the device detects a paper. MANUAL: You can punch anytime by clicking down a key corresponding to the print set which you want to print. While 'MANUAL' is selected, the paper sensor is temporarily off.
<b>8. LANGUAGE</b> LANGUAGE	1. ENGLISH, 2. SPANISH, 3. GERMAN 4. FRENCH, 5. ITALIAN 6. PORTUGUESE, 7. NUMERIC	<b>Select a language.</b>  [Note] • Selectable options are displayed in each language on the display.
<b>9. D.S.T.</b> START  END  CLEAR	YEAR MONTH DATE YEAR MONTH DATE  00 - 99 01 - 12 01 - 31 00 - 99 01 - 12 01 - 31	<b>Set daylight saving time period.</b> Once the start/end dates are set, the dates are calculated automatically every year. When the set date is in the last week of a month, the set date is regarded as the day of the week in the last week, even when the number of weeks in the month changes year after year. At 2:00AM on the first day of D.S.T. period, the device automatically gains one hour to show 3:00AM. When 3:00AM comes on the last day of D.S.T. period, the device automatically loses one hour and returns to 2:00AM. Printing hour and minute follows hour and minute shown on the device.
<b>10. PASSWORD</b> NUMBER	(4 digits)  0000 - 9999	<b>Set a password to protect the settings and data.</b> When you set to '0000', the password will be deleted.
<b>11. DATA</b> LOAD <USB> OUTPUT <USB> DELETE DEVICE NO. DATA FULL	SETTING DATA PUNCH DATA PUNCH DATA 001 - 999 1. PUNCH ONLY, 2. STOP	<b>Functions about data and USB.</b> LOAD <USB>: Install the setting data from USB stick. If succeed, "END" appears on the display. OUTPUT <USB>: Pick up the punch data to USB stick. If succeed, "END" appears on the display. DELETE: Delete the punch data from the device. DEVICE NO.: Set a device number of the device. DATA FULL: Set an action when the memory of the device is full.
<b>LOCK</b> PRINT SELECT	LOCK, UNLOCK LOCK, UNLOCK	[Note] • When '1. PUNCH ONLY' on "DATA FULL" is selected, you can continue to punch even while the memory of the device is full. However, punch data is not recorded in the memory. Once punch data is deleted from the memory by key operation on the device, the device can record punch data again. • Device No. is useful for the following cases: 1) managing punch data with more than one device. 2) specifying the setting file to be applied.
<b>LIGHT</b> PRINT LCD	ON, OFF ON, OFF	<b>Set LOCK/UNLOCK of print and print set selection.</b> Every time you click down the corresponding key, LOCK/UNLOCK is selected in turn. This setting prior to weekly program. However, in case that 'UNLOCK' by this setting is selected while 'P-LOC' by weekly program is effective, the device will go back to 'LOCK' once the device is left for 10 minutes without any operation. <b>Set ON/OFF of light on LCD and at print area.</b> Every time you click down the corresponding key, ON/OFF is selected in turn.
<b>COUNTER RESET</b> COUNTER-1 COUNTER-2 COUNTER-3 COUNTER-4 COUNTER-ALL	(current value) (current value) (current value) (current value) *****	<b>Reset value of the counter and go back to the initial number.</b> This operation is not available to COUNTER-1 when '1. PROHIBIT' on "RESET" of "4. COUNTER" is selected. The counter (which '1. PROHIBIT' is selected) is excluded even if reset by COUNTER-ALL is executed.

