

MICRO-COMPUTER TIME RECORDER



Instruction Manual

Safety Information

This section contains detailed instructions on the operation and maintenance of this machine. To achieve optimum utility of this device, all operators should carefully read and follow the instructions in this manual. Please keep this manual in a handy place near the machine.

- *Do not modify this product, as a fire, electrical shock, or breakdown could result. If the product employs a laser, the laser beam source could cause blindness.*
- *Do not attempt to remove the covers and panels which have been fixed to the product. Some products have a high-voltage part inside that could cause an electrical shock or blindness.*
- *Only use the power cord supplied in the package. Failure to use this cord could result in a fire or electrical shock.*
- *Do not unplug and plug in the power cord with a wet hand, as an electrical shock could result.*
- *Plug the power cord all the way into the power outlet. Failure to do this could result in a fire or electrical shock.*
- *In principle, do not use an extension cord. Use of an extension cord could cause a fire or electrical shock. Contact your authorized service representative if an extension cord is required.*
- *The appliance must be connected to an earthed mains socket-outlet.*
- *The socket-outlet shall be installed near the appliance and shall be easily accessible.*

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2. Introduction

In order to operate your Electronic Time Recorder accurately and efficiently with a longer life, please read this manual thoroughly.

3. Specifications

Power supply: AC 100~120V / 220V ~ 240V 60Hz/50Hz

Power consumption: Normal 0.05AM (Max 0.15AM)

Standard time signal: Quartz oscillation

Time accuracy: ± 3 seconds per week

Battery backup: 1.2V x 12 = 14.4 V battery assembly Full operation of all functions in case of a power failure, and memory backup for subsequent 20 months

Temperature: 0°C ~ 40°C

Humidity: 40% ~ 80%

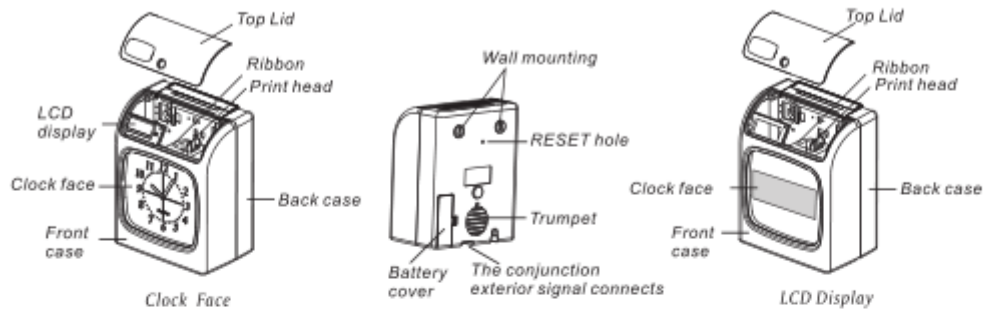
Dimensions: 190mm wide x 240mm tall x 125mm deep

Shipping Weight: approximately 7lbs.(3kg)

Functions	Model	Clock Face	LCD Display
Two color Print		●	●
Automatic card feeding / rejection of wrongside card injection		●	●
Perpetual calendar		●	●
Time signal		●	●
Music alarm		●	●
Auto-IN/OUT card slot		●	●
Full operation after power failure		●	●
Memory backup		●	●

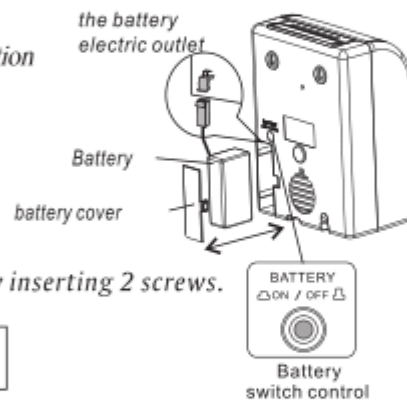
4. Parts Identification

(1) Components



(2) .The optional back-up battery installation

- 1).Remove the battery cover .
- 2).Connect the battery assembly to the socket,close the cover.



(3) .Wall mounting fix point

- 1).Secure the bracket onto the wall by inserting 2 screws.











- 2).Mount the whole unit on the wall firmly.



5. Settings

When open plastic top lid, the time recorder will automatically in program status.

							
PRO	IN MORNING	OUT MORNING	IN AFTERNOON	OUT AFTERNOON	IN OVERTIME	OUT OVERTIME	
P1	DATE	TIME	P/F	P/P/PAY	PAY END		
P2	SD	SIGNAL	TC	IN/OUT	DAY CH	ENTER	
P3	DOWN	ACROSS	SYNC	SEC	DST		

PRO: Press the “PRO” (gram) button to select the program group. If you are in “P1” mode, press the “PRO” button again to enter the “P2” program group. Pressing “PRO” again will take you to the “P3” programming choices.

P1 options:

Function Key	Abbreviation	Section	See pages
F1	DATE	Setting the year, month, and date	7
F2	TIME	Setting the time of day,	8
F3	P/F (PRINT FORMAT)	Selecting the time card type , minute format , day of week, and language	9
F4	P/P/PAY	The perpendicularity prints a week in/out time.	10
F5	PAY END	Setting a pay period ending date	12

P2 options:

<i>Function Key</i>	<i>Abbreviation</i>	<i>Section</i>	<i>See pages</i>
<i>F1</i>	<i>SD</i>	<i>Setting signal duration</i>	<i>14</i>
<i>F2</i>	<i>SIGNAL</i>	<i>Setting signal</i>	<i>14</i>
<i>F3</i>	<i>TC</i>	<i>Setthg two color ribbon control</i>	<i>16</i>
<i>F4</i>	<i>IN/OUT</i>	<i>Setting auto across the card shifting</i>	<i>17</i>
<i>F5</i>	<i>DAY CH</i>	<i>Setting thc day change time</i>	<i>18</i>

P3 options:

<i>Function Key</i>	<i>Abbreviation</i>	<i>Section</i>	<i>See pages</i>
<i>F1</i>	<i>DOWN</i>	<i>Setting the up/down adjustment</i>	<i>19</i>
<i>F2</i>	<i>ACROSS</i>	<i>Setting the across the card</i>	<i>19</i>
<i>F3</i>	<i>SYNC</i>	<i>synchronization</i>	<i>19</i>
<i>F4</i>	<i>SEC</i>	<i>Seconds reset</i>	<i>19</i>
<i>F5</i>	<i>DST</i>	<i>Setting Daylight Saving Time</i>	<i>19</i>

CL: Press the + and – button at the same time to cancel the existing program contents. Pressing the + button by itself advances the display, the – button backs it up. The digital display is used when programming the settings. The portion of the display that is flashing is the component that you are currently setting. Press the “E” button to advance to the next feature or component.

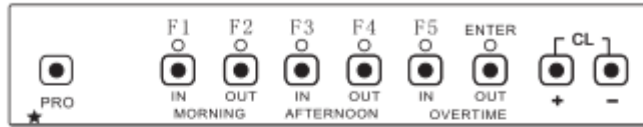
5-1).Setting the year ,month,and date

Example:Change November 8,2005 to December 10,2005

Setting:

(1) Open the plastic top lid, “P1” shown on LCD.

(2) Press “F1” key.



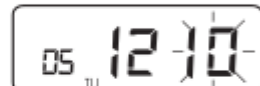
(3) Press \oplus or \ominus to select the year to 05 and press **ENTER** to confirm the setting.



(4) Press \oplus or \ominus to select the month to 12 and press **ENTER** to confirm the setting.

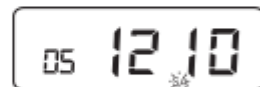


(5) Press \oplus or \ominus to select the day to 10 and press **ENTER** to confirm the setting.



The Date will automatic occur.

(6) After finish the above procedure, the LCD will light off. If required, other settings can also be performed before closing the lid.



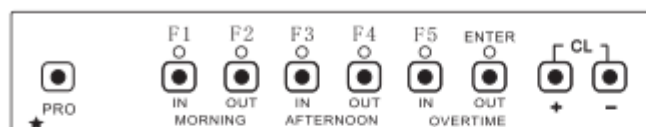
5-2).Setting the time of day

Example:Change 12-hour system 3:14 p.m to 24-hour system 10:30

Setting:

(1) Open the plastic top lid, "P1" shown on LCD.

(2) Press "F2" key.



P1

(3) Press \oplus or \ominus to select the time system to 24 and press ENTER to confirm the setting.

24 15 14

(4) Press \oplus or \ominus to select the hour to 10 and press ENTER to confirm the setting.

24 10 14

(5) Press \oplus or \ominus to select the minute to 30 and press ENTER to confirm the setting.

24 10 30

(6) After finish the above procedure, the LCD will light off. If required, other settings can also be performed before closing the lid.

5-3).Setting the card type ,minute format ,day of week,and language

TIME CARD									
Date	Morning		Afternoon		Overtime		TT		
	IN	OUT	IN	OUT	IN	OUT			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

✱ The surface detection function operates only when the "01" time card (monthly pay cards) or any equivalent is used with a surface detection cut-out.

※ Time card type

Setting code	Function	Bottom Space
01(6mm line width)	Semimonthly monthly pay	23mm
02(6mm line width)	Semimonthly monthly pay	23mm
03(6mm line width)	Lower part weekly pay	23mm
04(6mm line width)	Lower part weekly pay	35mm
05(7mm line width)	Upper part weekly pay	70mm
06(6mm line width)	Lower part perpendicular weekly pay	23mm
07(6mm line width)	Lower part perpendicular weekly pay	35mm
08(7mm line width)	Upper part perpendicular weekly pay	70mm
09(6mm line width)	Full vertical weekly pay	23mm
10(5mm line width)	Monthly pay	23mm

※ Minute indicator:

Setting code

01	1/60 hour
02	1/100 hour A
03	1/100 hour B
04	1/10 hour

1/60 hour	00	01	02	03	04	05	06	07	08	09	~	29	30	31	32	33	34	35	~	54	55	56	57	58	59
1/100 hour A	00	02	03	05	07	08	10	12	13	15	~	48	50	52	53	55	57	58	~	90	92	93	95	97	98
1/100 hour B	00	00	00	05	05	05	10	10	10	15	~	45	50	50	50	55	55	55	~	90	90	90	95	95	95
1/10 hour	00	00	00	00	00	00	01	01	01	01	~	04	05	05	05	05	05	05	~	09	09	09	09	09	09

※ Date of the week indicator:

Chose either one of the following 00~08 setting mode

00	01	02	03	04	05	06	07	08
No indication	Date	English	Italian	German	French	Spanish	Japanese	Day no. 1-7

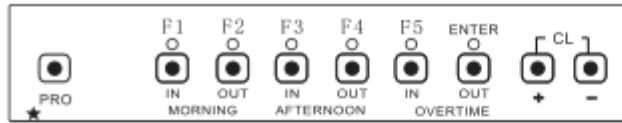
※ Internal setting is 010101, indicate time card is monthly pay card with a surface detection cut-out, minute indicator is 1/60 hour, day of week indicator "01" date.

Example: change to lower part weekly pay (bottom space 35mm)
minute indicator 1/60 hour, day of weekly indicator to "02" English

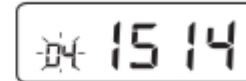
Setting:

(1) Open the plastic top lid, "P1" shown on LCD.

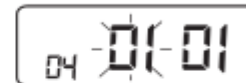
(2) Press "F3" key.



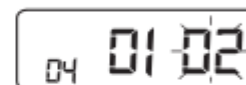
(3) Press \oplus or \ominus to select the time card type to 04, press **ENTER** to confirm the setting.



(4) Press \oplus or \ominus to select the minute indicator to 01, press **ENTER** to confirm the setting.



(5) Press \oplus or \ominus to select the the day of week indicator to 02, press **ENTER** to confirm the setting.



(6) After finish the above procedure, the LCD will light off. If required, other settings can also be performed before closing the lid.

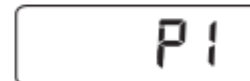
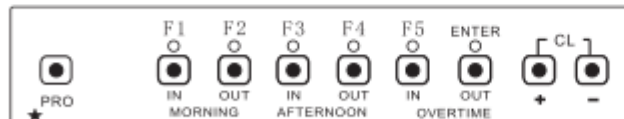
5-4).Setting the full perpendicularity prints a week pay

✱ Time Card type "09" full perpendicularity prints a week pay of equivalent is used with this function. Total 16 groups.Group 1 time - printed on the first row,Group 2 time - print on the second row... Etc,Group 16 time - printed on the 16th row.

Example:setting 8:00 printed on the first row,13:00 printed on the 8th row, pay date on Sunday.

Setting:

(1) Open the plastic top lid, "P1" shown on LCD.



(2) Press "F4" key,Press \oplus or \ominus to select the time to 08, press **ENTER** to confirm the setting.



(3) Press \oplus or \ominus to change the minute to 00 ,
press **ENTER** to confirm the setting.



(4) The day **SU** will flash, Press \oplus or \ominus to select the
date required or press \ominus to delete, press **ENTER** to
confirm and will enter the next time group.



(5) Keep pressing the “F4” to select the 8th time
group, Press \oplus or \ominus to change the hour to 13 ,
press **ENTER** to confirm the setting.



(6) Press \oplus or \ominus to change the minute to 00 ,
press **ENTER** to confirm the setting.



(7) The day **SU** will flash, Press \oplus or \ominus to select the
date required or press \ominus to delete, press **ENTER** to
confirm and will enter the next time group.



✱ Check or change the set time:

Repeat above steps to step 2, then press F4 key to select the required
change time group, then follow below step to change the time. If can
cellation required, Press \oplus or \ominus at the same time.

Perpendicularity week time card
pay period ending day at Sunday.

TIME CARD							
Date	Morning		Afternoon		Overtime		TT
	IN	OUT	IN	OUT	IN	OUT	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

23mm

5-5).Setting Pay Period end day

Initial setting is 31 01 FR indicate the period end day of monthly pay time card type 31st. The blank row is set on the 1st row. The period end day of weekly pay time card type is set on Friday.

*Setting the (semimonthly) monthly pay & period ending day

Attention: Semimonthly pay period card totally 16lines; Monthly salary card totally 32 lines. Can set up arbitrarily an among those behaviors blank line; Can set up at the same time in a month arbitrarily a day is to settles accounts the day. Balance of accounts day position usually the last one line in card, divided by to be when the blank line set up in the last one line, balance of accounts day position at count down the second line.



Semimonthly pay time card

TIME CARD						
Date	Morning		Afternoon		Over time	
	IN	OUT	IN	OUT	IN	OUT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Blank row

period ending day

Take semimonthly pay period time card as the first example. The pay period end day is set at the 15th, the blank row is set on the first row.

Monthly pay time card (front page)

TIME CARD						
Date	Morning		Afternoon		Over time	
	IN	OUT	IN	OUT	IN	OUT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Blank row

period ending day

Take monthly pay period time card as the second example. The pay period end day is set at the 31th, the blank row is set on the first row.

Monthly pay time card (back page)

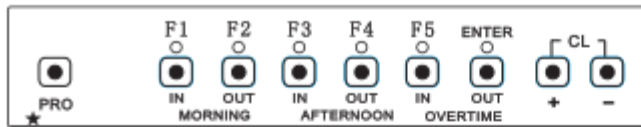
TIME CARD						
Date	Morning		Afternoon		Over time	
	IN	OUT	IN	OUT	IN	OUT
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

Take monthly pay period time card as the second example. The pay period end day is set at the 31th, the blank row is set on the first row.

Setting:

(1) Open the plastic top lid, "P1" shown on LCD.

(2) Press "F5" key.



P1

(3) Press \oplus or \ominus to change the pay period end day to 15, press ENTER to confirm the setting.

15 01
FR

(4) Press \oplus or \ominus to change the blank row to 01, Press ENTER to confirm the setting.

15 01
FR

(5) The day FR will flash, Press ENTER to confirm. After finish the above procedure, the LCD will light off. If required, other setting can also be performed before closing the lid.

15 01
FR

(6) The enactment method of the second example is similar to the above example.

✳ Setting the weekly pay & period ending day

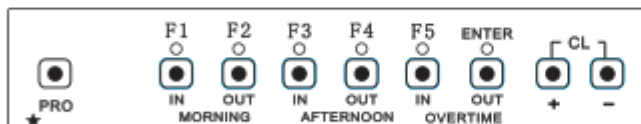
The print out of weekly time card can be dividing into two styles, they can be print horizontally and vertically. The period ending day of horizontal printing is set at the last row, but there is none for the vertical printing style.

Example: Setting the weekly pay period day at Sunday

Setting:

(1) Open the plastic top lid, "P1" shown on LCD.

(2) Press "F5" key.



P1

(3) Press ENTER key twice, the day field will flash, Press \oplus or \ominus to change the day to Sunday

SU 31 01

SU, press ENTER to confirm the setting. After finish the above procedure, the LCD will light off. If required, other settings can also be performed before closing the lid.

Weekly pay time card sample

*Verical print weekly time card
period end day(Sunday)*

No _____						
NAME _____						
	MORNING		AFTERNOON		OVERTIME	
	IN	OUT	IN	OUT	IN	OUT
MO						
TU						
WE						
TH						
FR						
SA						
SU						

*Horizontal print weekly time card
period end day(Sunday)*

No _____						
NAME _____						
	MO	TU	WE	TH	FR	SA
IN						
OUT						
IN						
OUT						
IN						
OUT						

5-6).Setting signal duration

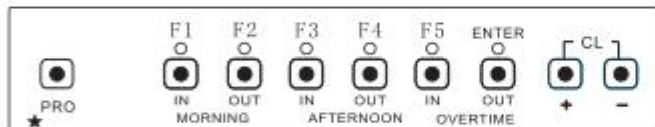
Internal setting is 05 , indicates 5 seconds.

Example:Change to 10 seconds

Setting:

(1) Open the plastic top lid, "P1" shown on LCD.

(2) Press "PRO" key until "P2" shown on LCD .



P1

P2

(3) Press "F1" key ,then press \oplus or \ominus to change the second to 10 , press **ENTER** to confirm the setting.

10

After finish the above procedure, the LCD will light off. If required, other setting can also be performed before closing the lid.

5-7).Setting signal

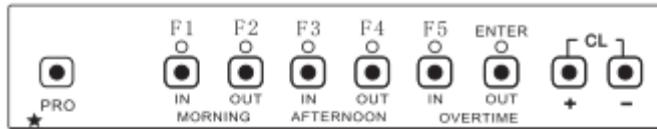
Totally 42 program addresses.

Example:Set a time signal sound at 8:00 a.m . On everyday and 17:00 Monday to Friday .

Setting:

(1) Open the plastic top lid, "P1" shown on LCD.

(2) Press "PRO" key until "P2" shown on LCD.



(3) Press "F2" key, then press \oplus or \ominus to change the time to 08, Press $\boxed{\text{ENTER}}$ to confirm the setting.



(4) Press \oplus or \ominus to select the minute to 00, press $\boxed{\text{ENTER}}$ to confirm the setting.



(5) The whole day field shown and $\boxed{\text{SU}}$ will flash, (It means whole week is select), press $\boxed{\text{ENTER}}$ to confirm the setting and will enter the next addresses.



(6) Press \oplus or \ominus to change the time to 17, then press $\boxed{\text{ENTER}}$ to confirm the setting.



(7) Press \oplus or \ominus to select the minute to 00, Then press $\boxed{\text{ENTER}}$ to confirm the setting.



(8) The whole day field shown and $\boxed{\text{SU}}$ will flash, Press \oplus to select the day and press $\boxed{\text{ENTER}}$ to confirm the setting.

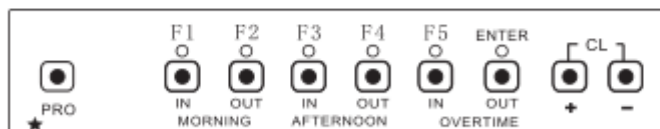


✳ Check or change the set time:

Setting:

(1) Open the plastic top lid, "P1" shown on LCD.

(2) Press "PRO" key until "P2" shown on LCD.



(3) Press "F2" key again, every time press "F2" key, the LCD will display the next addresses. Repeat the above step 3 to change the time. If cancellation required, Press \oplus or \ominus at the same time. The LCD shown as figure.



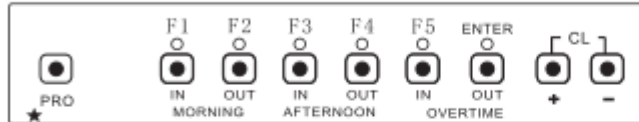
5-8).Set the two color ribbon control

Totally 18 program addresses.Single addresses is red color, Even addresses is blue color.Individual date setting or whole week setting is also accepted.
Example:Set 8:01 a.m. Change red color everyday,17:00 change blue color from Monday to Friday.

Setting:

(1) Open the plastic top lid, "P1" shown on LCD.

(2) Press "PRO" key until "P2" shown on LCD.



P1

P2

(3) Press "F3" key, then press \oplus or \ominus to change the time to 08, Press $\overline{\text{ENTER}}$ to confirm the setting.

01 08bb
SU MO TU WE TH FR SA

(4) Press \oplus or \ominus to select the minute to 01, press $\overline{\text{ENTER}}$ to confirm the setting.

01 08 01
SU MO TU WE TH FR SA

(5)The whole day field shown and $\overline{\text{SU}}$ will flash, (It means whole week is select),press $\overline{\text{ENTER}}$ to confirm the setting and will enter the next addresses.

01 08 01
SU MO TU WE TH FR SA

(6) Press \oplus or \ominus to change the time to 17, then press $\overline{\text{ENTER}}$ to confirm the setting.

02 17bb
SU MO TU WE TH FR SA

(7) Press \oplus or \ominus to select the minute to 00, then press $\overline{\text{ENTER}}$ to confirm the setting.

02 17 00
SU MO TU WE TH FR SA

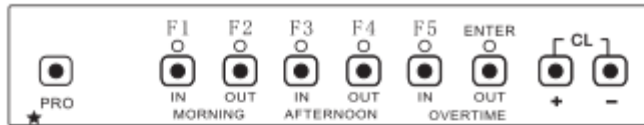
(8)The whole day field shown and SU will flash, Press \oplus to select the day and press $\overline{\text{ENTER}}$ to confirm the setting.

02 17 00
SU MO TU WE TH FR SA

✳ Check or change the set time:

Setting:

- (1) Open the plastic top lid, "P1" shown on LCD.
- (2) Press "PRO" key until "P2" shown on LCD.



P1

P2

- (3) Press "F3" key, every time press "F3" key, the LCD will display the next addresses. Repeat the above step 3 to change the time. If cancellation required, Press ⊕ or ⊖ at the same time. The LCD shown as figure.

08 bbbb
SU MO TU WE TH FR SA

5-9). Setting the IN/OUT Printing Position

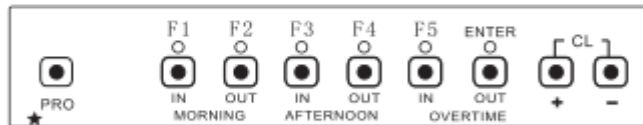
Totally 18 program addresses. Program can be set everyday, since the LCD can only show 6 digits, so it cannot display the addresses code. You are required to input the position code before entering the time, position code as below:

- | | |
|------------------|-------------------|
| 11: Morning IN | 12: Morning OUT |
| 13: Afternoon IN | 14: Afternoon OUT |
| 15: Overtime IN | 16: Overtime OUT |

Example: Set 7:00 print on every Morning IN and Monday to Friday 16:00 print on the Afternoon OUT.

Setting:

- (1) Open the plastic top lid, "P1" shown on LCD.
- (2) Press "PRO" key until "P2" shown on LCD.



P1

P2

- (3) Press "F4" key, then press ⊕ or ⊖ to change the time to 11, Press ENTER to confirm the setting.

11 bbbb
SU MO TU WE TH FR SA

- (4) Press ⊕ or ⊖ to select the minute to 07, press ENTER to confirm the setting.

11 07bb
SU MO TU WE TH FR SA

- (5) Press ⊕ or ⊖ to select the minute to 00, press ENTER to confirm the setting.

11 0700
SU MO TU WE TH FR SA

(6) The whole day field shown and **SU** will flash,
(It means whole week is select), press **ENTER**
to confirm the setting and will enter the next
addresses.

(7) Press **+** or **-** to change the position code to 14,
press **ENTER** to confirm the setting.

(8) Press **+** or **-** to select the hour to 16 ,
press **ENTER** to confirm the setting.

(9) Press **+** or **-** to select the minute to 00 ,
press **ENTER** to confirm the setting.

(10) The whole day field shown and **SU** will flash,
Press **+** to select the day and press **ENTER** to confirm the setting .



5-10). Setting the day change time

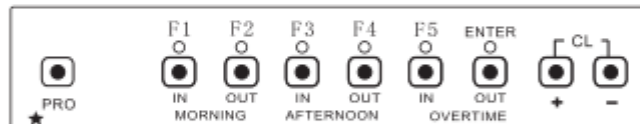
Initial setting is 0000, indicates that the print switch time 00:00.

Example: Set the print line switch time to 3:30

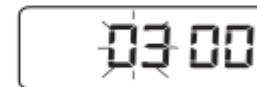
Setting:

(1) Open the plastic top lid, "P1" shown on LCD.

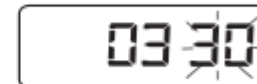
(2) Press "PRO" key until "P2" shown on LCD.



(3) Press "F5" key , then press **+** or **-** to change
the hour to 3 , Press **ENTER** to confirm the setting.



(4) Press **+** or **-** to select the minute to 30 ,
press **ENTER** to confirm the setting.



After finish the above procedure, the LCD will light off. If required , other settings
can also be performed before closing the lid.

6.Special features

P3 DOWN ACROSS SYNC SEC DST

(1) **Wrong Printing Position (Up & Down)** - when the printing prints on the time card were found not in the middle of the row . Use this function to adjust, initial value is 50. During P1 status, press program key until P3 shown on the LCD , then press F1 ,press \oplus or \ominus to change the value and press **ENTER** to confirm the setting . Value > 50, printing higher, value < 50, printing lower , the distance between value +1 or -1 is approx . 0.5mm

(2) **Wrong Printing Position (Left & Right)** - when the printing prints on the time card were found not in the middle of the column . Use this function to adjust, initial value is 50 . During P1 status, press program key until P3 shown on the LCD , then press F2 , press \oplus or \ominus to change the value and press **ENTER** to confirm the setting . Value > 50, printing move to light , value < 50, printing move to left , the distance between value +1 or -1 is approx . 0.125mm

(3) **Adjust Minute Signal** - During P1 status , Press program key until P3 shown on the LCD, then press F3 to advance 1 minute.

(4) **Reset seconds Signal** - During P1 status ,press program key until P3 shown on the LCD, then press F4 to reset seconds to zero.

(5). Setting Daylight Saving Time

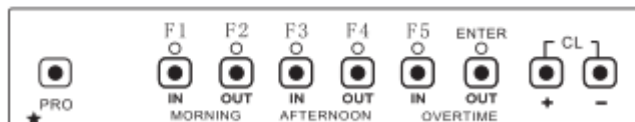
Daylight Saving Time can be set by month, date , hour , if the start and end time are set to be at AM2:00, in summer time , the time clock will automatically goes to AM3:00 . While the summer time ends, the time clock will automatically back to AM 1:00. The first setting group these two as a group, otherwise no Daylight Saving Time solstice is set.

The time can be set from 1-9

Example: Set the start time and date to 1st April at AM 2:00, end time is 1st October at AM2:00

Setting:

- (1) Open the plastic top lid , “P1” shown on LCD.
- (2) Press “PRO” key until “P3” shown on LCD.
- (3) Press “F5” key .



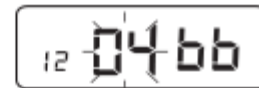
P1

P3

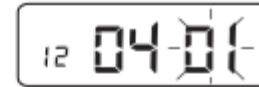
- (4) Press \oplus or \ominus to change the hour to 2 , press **ENTER** to confirm the setting.

12: bbbb

(5) Press \oplus or \ominus to change the month to 04, press **ENTER** to confirm the setting.



(6) Press \oplus or \ominus to change the day to 01, press **ENTER** to confirm the setting.



(7) When finished the above setting, The LCD will show the second setting code data as figure.



(8) Repeat the step 3 to program the end time data.

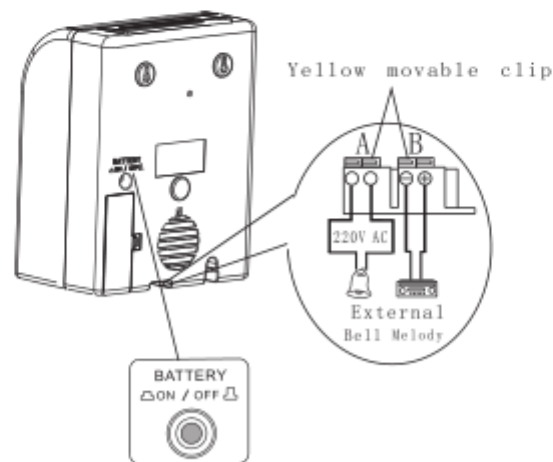
(9) After finish the above Procedure, the LCD will light off. If required, other settings can also be performed before closing the lid.

7. RESET

when pressing “RESET” on the control panel, all program data were deleted and reset to initial setting.

8. How to connect an external alarm

Connect the wires of the external alarm and AC power into the outlet at the lower corner at the back of the time recorder. The contact capacity should AC250V or AC110V, 0.5 A or less and DC24V, 0.5A or less.

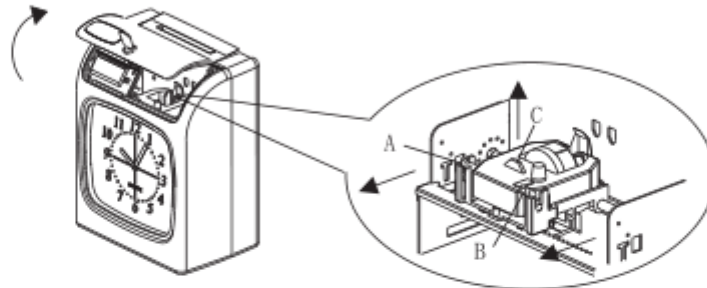


9. Replacing ribbon cassette

(1). Insert the key into the keyholes on the top, turn 90° anti-clockwise.



(2). Open the lid.



(3). Remove the cassette. Follow the arrow direction, pull the ribbon holders towards you and, holding them steady in that position, use the handle to pull out the cassette.

(4). Insert a new cassette. Correctly insert a new cassette between the ribbon guide and the dot printer head.

(5). Push the cassette head until it clicks into place. Turn the knob clockwise to remove and slackness in the ribbon.

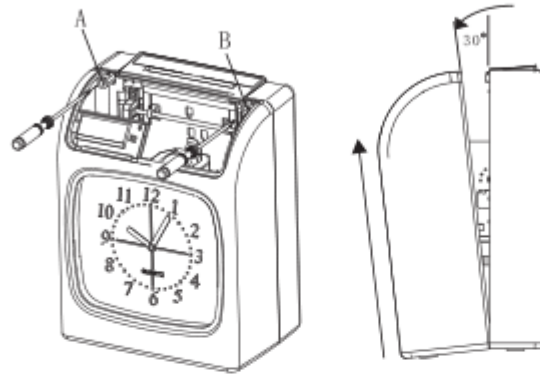
(6). Close the lid. Insert the key into the keyholes on the top, turn 90° clockwise to lock the lid.



10. Case exploder

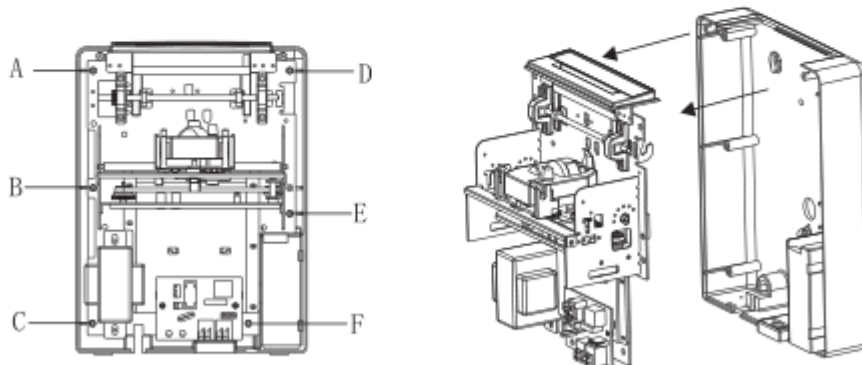
(1). Front case

- 1) Use the key to open the lid.
- 2) Use cross head screwdriver to remove the A.B screws.
- 3) Remove the LCD date cord , move 30° toward you and take away the front case carefully.



(2). Back case

- 1) Use cross head screwdriver to remove the ABCDEF screws and take away the rear case carefully.



11. Trouble-shooting

<i>Trouble</i>	<i>Causes</i>	<i>Corrective Measures</i>
<i>The time recorder does not accept time card.</i>	<i>Power failure</i>	<i>Wait until power supply is restored</i>
	<i>The power cord is disconnected</i>	<i>Insert the power plug firmly into the power outlet</i>
	<i>Card feed wrongly</i>	<i>Insert it in the card slot the other way round</i>
<i>A long “beep” sound is heard without printing</i>	<i>The reverse side of the card was inserted in the card slot</i>	<i>Insert it in the card slot the other way round</i>
	<i>Card feed wrongly</i>	<i>Insert it in the card slot with slight pressure</i>
<i>The date printing line is set incorrectly</i>	<i>Mistake in setting day change</i>	<i>Reset the date referring to “Setting Day change”</i>
<i>Light printing (Imperfect printing)</i>	<i>The ribbon is worn out of ribbon cassette is not installed correctly</i>	<i>Replace the ribbon cassette or install it correctly.</i>
<i>The clock is inaccurate (too fast or too slow)</i>	<i>Mistake in setting the clock</i>	<i>Set it correctly.</i>
	<i>Power failure over the specified period</i>	<i>Reset the “setting”</i>
<i>Cannot punch time card (with battery backup)</i>	<i>The suspension time of power failure is longer than the battery life</i>	<i>Wait until power supply is restored</i>
	<i>Card feed wrongly</i>	<i>Insert it in the card slot the other way round</i>
<i>The clock stopped (without battery backup)</i>	<i>Power failure</i>	<i>Wait until power supply is restored</i>
	<i>The power cord is disconnected</i>	<i>Insert the power plug firmly into the power outlet</i>
<i>EC 0</i>	<i>Err of clock home position sensor</i>	<i>Contact the dealer from whom you bought the time recorder</i>
<i>EC 1</i>	<i>Err of motor (Card lines)</i>	
<i>EC 2</i>	<i>Err of motor (Card columns)</i>	
<i>EC 3</i>	<i>Err of card insert or defective of the card side detect</i>	