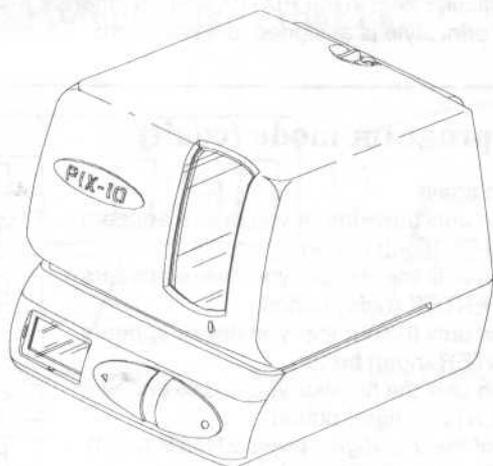


PIX-10 Electronic Time Recorder



Operation Manual

SPECIFICATIONS

Power requirement : For PIX-10 input : AC16.5V, 60Hz, 0.6A (Max.)
For AC adapter: AC120V \pm 10%, 60Hz
AC230V \pm 10%, 50Hz
AC240V \pm 10%, 50Hz

Ambient temperature : -10°C ~ 45°C (14°F ~ 113°F)

Ambient humidity : 10% ~ 90% (no condensation)

Dimensions : 140mm(W) x 150mm(H) x 165mm(D) (5-1/2" x 6" x 6-1/2")

Weight : 1.8 Kg (4.2 lbs.)

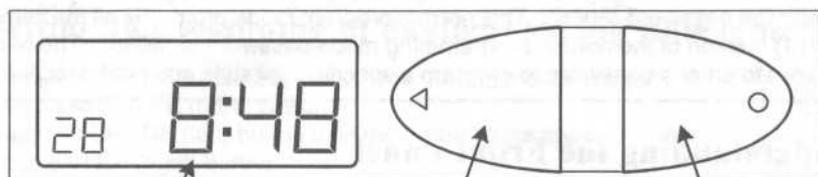
Environment : Indoor use only : dust-free environment
Keep out of direct sunlight

For PIX-10 with 120 V AC Adapter

Listed and Certified by :  Underwriters Laboratories, Inc.
E50230

 Canadian Standards Association
LR-55921

Front Panel Description

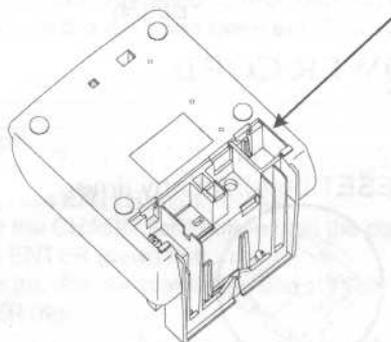


LCD Display Window

Manual Print/Change
Button

Manual Print/Enter
Button

The RESET button is located on the right lower back side of the case.



RESET Button

This button is used with the CHANGE or ENTER button to start/enter the program mode.

Manual Print/Enter Button

In Normal mode, press this to print manually. In Program mode, press this to accept a value or enter a selection into memory.

Manual Print/Change Button

In Normal mode, press this to print manually. In Program mode, press this to change data or advance to the next menu selection.

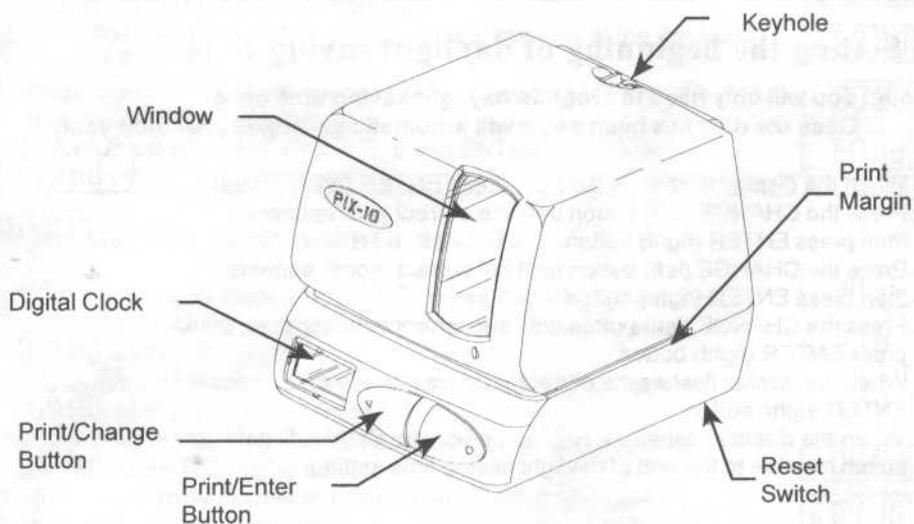
PIX-10 Program Guide for Quick Program Mode

P2

To perform any programming instructions, steps must be followed in order.

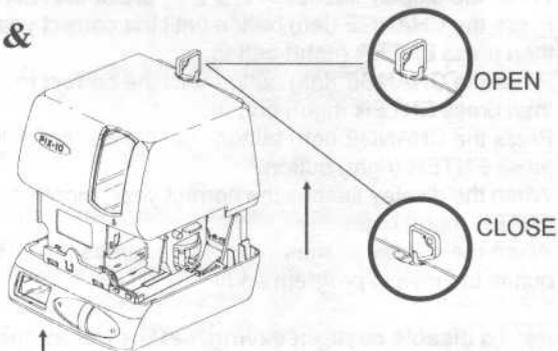
The PIX-10 accommodates two programming modes, normal and quick mode. Either mode can be accessed simply by entering a particular password. To get into normal programming mode, enter the password "8088". This normal program mode programs all the items in the PIX-10. For an easy, quick setup of a particular item in the PIX-10, enter a different password (see chart 1) instead of the normal programming mode password of "8088". The benefit of the quick programming mode is that every print style is assigned to a password. Therefore, it is only required to enter a password to program a specific print style and print direction.

External View

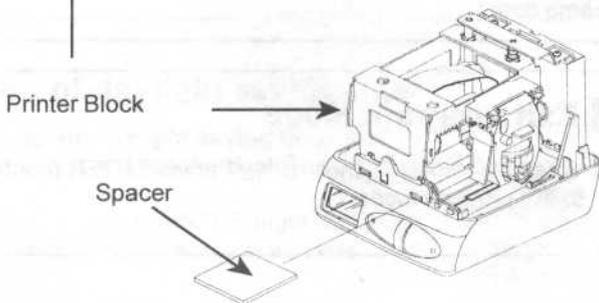


Removing The Cover & Packing Material

1. Turn key clockwise and lift case to remove cover.



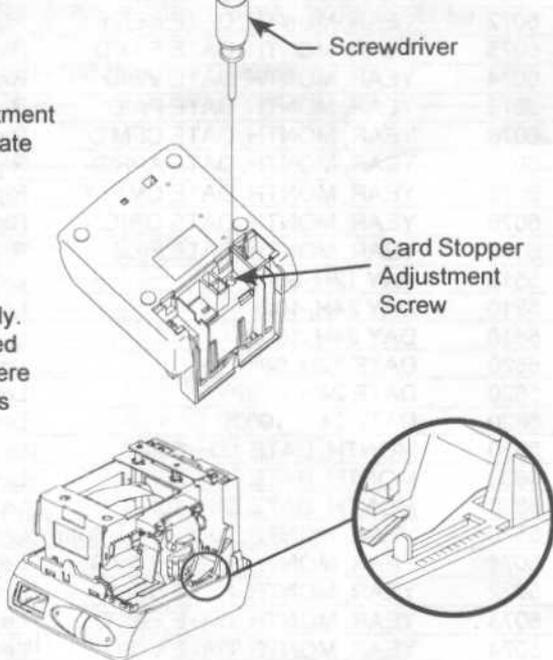
2. Lift up printer block and remove spacer.



Adjusting The Margin

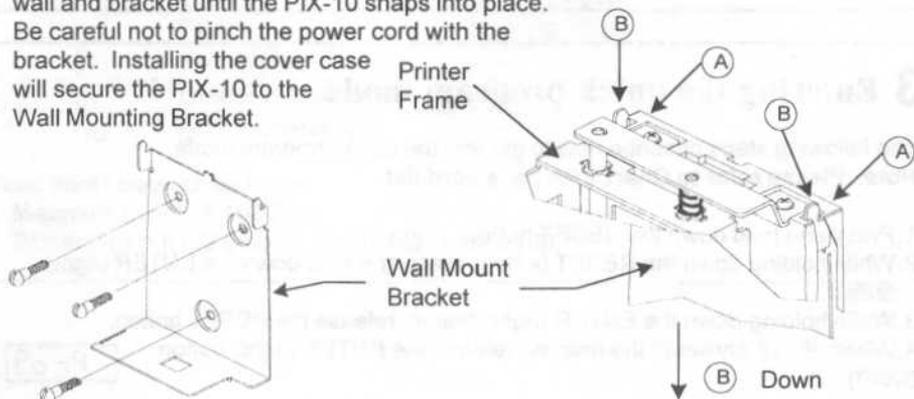
1. Locate the Card Stopper Adjustment Screw behind the wall mount plate on the bottom of the machine.

2. Position the paper or time card and adjust the screw accordingly. The print margin can be adjusted a maximum of 22mm (7/8"). There are ruler markings on both sides of the base plate to help you align the card.



Wall Mounting

1. Remove Wall Mount Bracket by pushing back on "A" top tabs. Then push "B" tabs down.
2. Securely mount bracket on wall using three # 10 wood screws or equivalent.
3. Place the PIX-10 on the Wall Mount Bracket by sliding the top tabs into the slots on each side of the case. Push the PIX-10 back and down against the wall and bracket until the PIX-10 snaps into place. Be careful not to pinch the power cord with the bracket. Installing the cover case will secure the PIX-10 to the Wall Mounting Bracket.

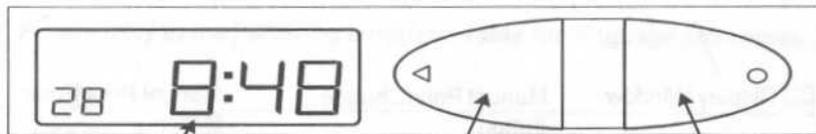


PIX-10 Program Guide

To perform any programming instruction

The PIX-10 accommodates two programming modes, normal and quick mode. Either mode can be entered by entering the password "8088". This normal programming mode programs all the items in the PIX-10 (see chart 1) instead of the normal programming mode password of "8088". The benefit of the quick mode is that it is the only required to enter a password to program a specific print style and print direction.

1 Understanding the Front Panel



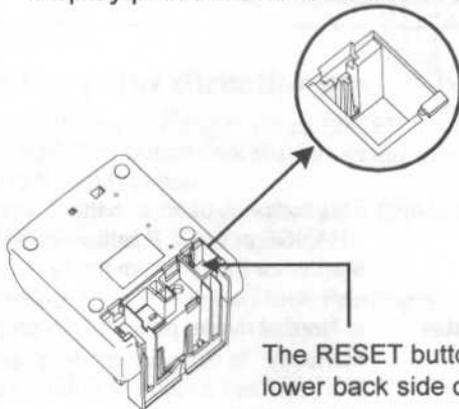
LCD Display Window

Manual Print / Change
Button

Manual Print / Enter
Button

PLUG IN POWER CORD

2 NOTE: To exit programming mode and return to time display press the **RESET** button at any time.



The RESET button is located on the right lower back side of the base.

Chart 1. Password for Quick program mode

<i>Password</i>	<i>Print Style</i>	<i>Print Direction</i>
6510	DAY 12H, 60th	Right side printing
6210	DAY 24H, 10th	Right side printing
6810	DAY 24H, 100th	Right side printing
6520	DATE 12H, 60th	Right side printing
6620	DATE 24H, 60th	Right side printing
6820	DATE 24H, 100th	Right side printing
6530	MONTH, DATE 12H, 60th	Right side printing
6630	MONTH, DATE 24H, 60th	Right side printing
6830	MONTH, DATE 24H, 100th	Right side printing
6570	YEAR, MONTH, DATE 12H, 60th	Right side printing
6071	YEAR, MONTH, DATE RCVD	Right side printing
6072	YEAR, MONTH, DATE SENT	Right side printing
6073	YEAR, MONTH, DATE FAX'D	Right side printing
6074	YEAR, MONTH, DATE VOID	Right side printing
6075	YEAR, MONTH, DATE PAID	Right side printing
6076	YEAR, MONTH, DATE CFM'D	Right side printing
6077	YEAR, MONTH, DATE APR'D	Right side printing
6078	YEAR, MONTH, DATE CMPL'D	Right side printing
6079	YEAR, MONTH, DATE ORIGN	Right side printing
6070	YEAR, MONTH, DATE FILE	Right side printing
5510	DAY 12H, 60th	Left side printing
5210	DAY 24H, 10th	Left side printing
5810	DAY 24H, 100th	Left side printing
5520	DATE 12H, 60th	Left side printing
5620	DATE 24H, 60th	Left side printing
5820	DATE 24H, 100th	Left side printing
5530	MONTH, DATE 12H, 60th	Left side printing
5630	MONTH, DATE 24H, 60th	Left side printing
5830	MONTH, DATE 24H, 100th	Left side printing
5570	YEAR, MONTH, DATE 12H, 60th	Left side printing
5071	YEAR, MONTH, DATE RCVD	Left side printing
5072	YEAR, MONTH, DATE SENT	Left side printing
5073	YEAR, MONTH, DATE FAX'D	Left side printing
5074	YEAR, MONTH, DATE VOID	Left side printing
5075	YEAR, MONTH, DATE PAID	Left side printing
5076	YEAR, MONTH, DATE CFM'D	Left side printing
5077	YEAR, MONTH, DATE APR'D	Left side printing
5078	YEAR, MONTH, DATE CMPL'D	Left side printing
5079	YEAR, MONTH, DATE ORIGN	Left side printing
5070	YEAR, MONTH, DATE FILE	Left side printing

If you cannot find desired print style in the above list, please set print style using the Normal Program Mode, explained on the next pages.

When using Quick Program Mode, the Automatic Card Printing Feature is enabled.

3 Entering the quick program mode

The following steps describe how to get into the quick Program mode.

Note: Please refer to Chart 1 for password list.

1. Press and hold down the RESET button.
2. While holding down the RESET button, press and hold down the ENTER (right) button.
3. While holding down the ENTER (right) button, release the RESET button.
4. When *P r o g* shows in the display, release the ENTER (right) button.

P r o g

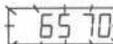
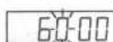
(Con't)

for Quick Program Mode ions, steps must be followed in order.

be accessed simply by entering a particular password. To get into normal programming
-10. For an easy, quick setup of a particular item in the PIX-10, enter a different password
quick programming mode is that every print style is assigned to a password. Therefore, it is

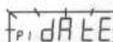
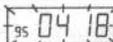
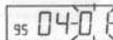
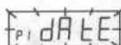
3 Entering the quick program mode (con't)

5. Press the ENTER (right) button again.
6. Press the CHANGE (left) button until the number you desire appears at the first digit, then press ENTER (right) button.
7. Press the CHANGE (left) button until the number you desire appears at the second digit, then press ENTER (right) button.
8. Press the CHANGE (left) button until the number you desire appears at the third digit, then press ENTER (right) button.
9. Press the CHANGE (left) button until the number you desire appears at the fourth digit, then press ENTER (right) button.
10. When the display flashes all of the four digits, press ENTER (right) button.



4 Setting the year, month and date

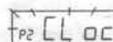
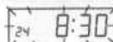
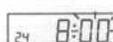
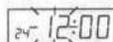
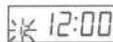
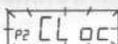
1. When the display flashes P_1 dA E E , press ENTER (right) button.
2. Press the CHANGE (left) button until the correct year appears, then press ENTER (right) button.
3. Press the CHANGE (left) button until the correct month appears, then press ENTER (right) button.
4. Press the CHANGE (left) button until the correct date appears, then press ENTER (right) button.
5. When the display flashes the correct year, month and date, press ENTER (right) button.
6. When the display flashes P_1 dA E E , press the CHANGE (left) button to move to Time Setting.



5 Setting the time

Note: Use 24 hour format and regular 60 minute format when setting the time.

1. When the display flashes P_2 C L O C , press ENTER (right) button.
2. Press the CHANGE (left) button to choose 12 hour AM/PM display or 24 hour military time, then press ENTER.
3. Press the CHANGE (left) button until the correct hour appears, then press ENTER (right) button.
4. Press the CHANGE (left) button until the correct minutes appears, then press ENTER (right) button.
5. When the display flashes the correct time, press ENTER (right) button.
6. When the display flashes P_2 C L O C , press the CHANGE (left) button to move to the beginning of daylight saving time setting..



6 Setting the beginning of daylight saving time

Note: You will only need to program daylight saving time once.

Once the date has been set, it will automatically adjust year after year.

1. When the display flashes P_3 *bdLl*, press ENTER (right) button.
2. Press the CHANGE (left) button until the correct year appears, then press ENTER (right) button.
3. Press the CHANGE (left) button until the correct month appears, then press ENTER (right) button.
4. Press the CHANGE (left) button until the correct date appears, then press ENTER (right) button.
5. When the display flashes the correct year, month and date, press ENTER (right) button.
6. When the display flashes P_3 *bdLl*, press the CHANGE (left) button to move to the end of daylight saving time setting.

7 Setting the end of daylight saving time

Note: You will only need to program daylight saving time once.

Once the date has been set, it will automatically adjust year after year.

1. When the display flashes P_4 *EdLl*, press ENTER (right) button.
2. Press the CHANGE (left) button until the correct year appears, then press ENTER (right) button.
3. Press the CHANGE (left) button until the correct month appears, then press ENTER (right) button.
4. Press the CHANGE (left) button until the correct date appears, then press ENTER (right) button.
5. When the display flashes the correct year, month and date, press ENTER (right) button.
6. When the display flashes P_4 *EdLl*, press the CHANGE (left) button to move to program end.

Note: To disable daylight saving, set the beginning and ending date to the same date.

8 Exit program mode

1. When the display flashes *End*, press ENTER (right) button to exit program mode.

3 Entering the quick program mode

The following steps describe how to get into the quick Program mode.

Note: Please refer to Chart 1 for password list.

1. Press and hold down the RESET button.
 2. While holding down the RESET button, press and hold down the ENTER (right) button.
 3. While holding down the ENTER (right) button, release the RESET button.
 4. When *Pr o g* shows in the display, release the ENTER (right) button.
- (Con't)

Pr o g

for Quick Program Mode

ions, steps must be followed in order.

be accessed simply by entering a particular password. To get into normal programming
-10. For an easy, quick setup of a particular item in the PIX-10, enter a different password
quick programming mode is that every print style is assigned to a password. Therefore, it is

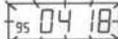
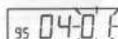
3 Entering the quick program mode (con't)

5. Press the ENTER (right) button again.
6. Press the CHANGE (left) button until the number you desire appears at the first digit, then press ENTER (right) button.
7. Press the CHANGE (left) button until the number you desire appears at the second digit, then press ENTER (right) button.
8. Press the CHANGE (left) button until the number you desire appears at the third digit, then press ENTER (right) button.
9. Press the CHANGE (left) button until the number you desire appears at the fourth digit, then press ENTER (right) button.
10. When the display flashes all of the four digits, press ENTER (right) button.



4 Setting the year, month and date

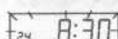
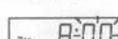
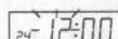
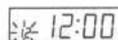
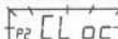
1. When the display flashes P_1 DATE, press ENTER (right) button.
2. Press the CHANGE (left) button until the correct year appears, then press ENTER (right) button.
3. Press the CHANGE (left) button until the correct month appears, then press ENTER (right) button.
4. Press the CHANGE (left) button until the correct date appears, then press ENTER (right) button.
5. When the display flashes the correct year, month and date, press ENTER (right) button.
6. When the display flashes P_1 DATE, press the CHANGE (left) button to move to Time Setting.



5 Setting the time

Note: Use 24 hour format and regular 60 minute format when setting the time.

1. When the display flashes P_2 CL OC, press ENTER (right) button.
2. Press the CHANGE (left) button to choose 12 hour AM/PM display or 24 hour military time, then press ENTER.
3. Press the CHANGE (left) button until the correct hour appears, then press ENTER (right) button.
4. Press the CHANGE (left) button until the correct minutes appears, then press ENTER (right) button.
5. When the display flashes the correct time, press ENTER (right) button.
6. When the display flashes P_2 CL OC, press the CHANGE (left) button to move to the beginning of daylight saving time setting..



6 Setting the beginning of daylight saving time

Note: You will only need to program daylight saving time once.

Once the date has been set, it will automatically adjust year after year.

1. When the display flashes p_3 b d L E , press ENTER (right) button.
2. Press the CHANGE (left) button until the correct year appears, then press ENTER (right) button.
3. Press the CHANGE (left) button until the correct month appears, then press ENTER (right) button.
4. Press the CHANGE (left) button until the correct date appears, then press ENTER (right) button.
5. When the display flashes the correct year, month and date, press ENTER (right) button.
6. When the display flashes p_3 b d L E , press the CHANGE (left) button to move to the end of daylight saving time setting.

7 Setting the end of daylight saving time

Note: You will only need to program daylight saving time once.

Once the date has been set, it will automatically adjust year after year.

1. When the display flashes p_4 E d L E , press ENTER (right) button.
2. Press the CHANGE (left) button until the correct year appears, then press ENTER (right) button.
3. Press the CHANGE (left) button until the correct month appears, then press ENTER (right) button.
4. Press the CHANGE (left) button until the correct date appears, then press ENTER (right) button.
5. When the display flashes the correct year, month and date, press ENTER (right) button.
6. When the display flashes p_4 E d L E , press the CHANGE (left) button to move to program end.

Note: To disable daylight saving, set the beginning and ending date to the same date.

8 Exit program mode

1. When the display flashes E n d , press ENTER (right) button to exit program mode.

9 Setting the language

1. When the display flashes P_b LANG, press ENTER (right) button.
2. Press the CHANGE (left) button until the correct language appears, then press ENTER (right) button.
3. When the display flashes P_b LANG, press the CHANGE (left) button to move to the print direction setting.

Please refer to the following language Table for language selections.

Language Table

English =	French =	Italian =	Roman =	Common =
L1 ENG	L3 FRN	L5 ITY	L7 RON	L9 CON
Spanish =	German =	Portuguese =	Japanese =	
L2 SPN	L4 GER	L6 PTG	L8 JPN	

10 Setting the print direction

1. When the display flashes P_1 Pr dr, press ENTER (right) button.
2. Press the CHANGE (left) button until the correct direction appears, then press ENTER (right) button.
3. When the display flashes P_1 Pr dr, press the CHANGE (left) button to move to the auto print setting.

Right Side Printing =

Left Side Printing =

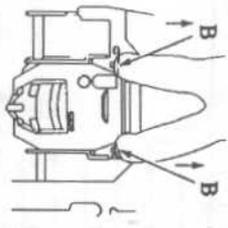
Sample print style code list

Print Style	Imprint style	Code to enter	Total Dot Length
DAY 12H, 60th	FRI PM 1:45	DRY SPCE 12 50EH	82 dots
DAY 24H, 60th	FRI 13:45	DRY SPCE 24 50EH	68 dots
DAY 24H, 10th	FRI 13:7	DRY SPCE 24 10EH	58 dots
DAY 24H, 100th	FRI 13:75	DRY SPCE 24 100H	68 dots
DATE 12H, 60th	13 PM 1:45	DRLE SPCE 12 50EH	82 dots
DATE 24H, 60th	13 13:45	DRLE SPCE 24 50EH	68 dots
DATE 24H, 10th	13 13:7	DRLE SPCE 24 10EH	58 dots
DATE 24H, 100th	13 13:75	DRLE SPCE 24 100H	68 dots
MONTH, DATE 12H, 60th	APR 13 PM 1:45	DRLE SPCE 12 50EH	115 dots
MONTH, DATE 24H, 60th	APR 13 13:45	DRLE SPCE 24 50EH	101 dots
MONTH, DATE 24H, 10th	APR 13 13:7	DRLE SPCE 24 10EH	91 dots
MONTH, DATE 24H, 100th	APR 13 13:75	DRLE SPCE 24 100H	101 dots
YEAR, MONTH, DATE 12H, 60th	'95 APR 13 PM 1:45	DRLE SPCE 12 50EH	143 dots
YEAR, MONTH, DATE 24H, 60th	'95 APR 13 13:45	DRLE SPCE 24 50EH	129 dots
YEAR, MONTH, DATE 24H, 10th	'95 APR 13 13:7	DRLE SPCE 24 10EH	119 dots
YEAR, MONTH, DATE 24H, 100th	'95 APR 13 13:75	DRLE SPCE 24 100H	129 dots
YEAR, MONTH, DATE SYMBOL 1	'95 APR 13 RCVD	DRLE SPCE 24 100H	127 dots
YEAR, MONTH, DATE SYMBOL 2	'95 APR 13 SENT	DRLE SPCE 24 100H	124 dots
YEAR, MONTH, DATE SYMBOL 3	'95 APR 13 FAXD	DRLE SPCE 24 100H	127 dots
YEAR, MONTH, DATE SYMBOL 5	'95 APR 13 PAID	DRLE SPCE 24 100H	124 dots

Replacing the ribbon

TO REMOVE:

1. Pull the two catches "B" upward and hold with index and middle fingers. Remove the ribbon cassette.



TO INSERT:

1. If the print mechanism is down and a paper cannot be inserted, press the RESET button to move the carriage up. This will make ribbon installation easier.
2. Insert the ribbon cassette.
3. Turn the knob on the cassette clockwise one turn to take up any slack in the ribbon.
4. Replace the cover.
5. Check the printing quality to confirm that you've installed the ribbon properly.

Error messages

Possible error messages :

- Home sensor, motor E1 PRLE Timing sensor E2 PRLE Home sensor E3 PRLE carriage stuck
- Carriage stuck E4 PRLE General print E5 PRLE Daylight saving DLLE error time program

For error message E1 through E4, remove the power before checking to see that the carriage is not stuck or jammed. Also check to see that the ribbon cables are in good condition. After clearing any jams, restore power and press the reset button.

The dLl error message signifies that an attempt was made to get into the Program mode during the daylight saving change over one-hour lockout. Wait one hour and you will be able to program the clock.

Using the diagnostic routine

The diagnostic routine accommodates LCD segments check, number of print and a memory clear feature.

1. When the display flashes $pg\ d\ I\ A\ 9$, press ENTER (right) button.
2. When the display flashes $d\ 1\ L\ [d$ (LCD segments check), press ENTER (right) button.
3. When all of the LCD segments are turned on, press the ENTER (right) button to advance to the next step.
4. When the display flashes $d\ 2\ n\ P\ r\ t$ (total number of print), press ENTER (right) button.
5. The number of prints counted will be displayed. Press ENTER (right) button to advance to the next step.
6. When the display flashes $d\ 3\ [Lr$ (memory clear), press ENTER (right) button.
7. To clear the memory and reset the defaults, press the CHANGE (left) button until 3 appears, then press ENTER (right) button. Press the CHANGE button until 2 appears, then press ENTER (right) button.
8. When the display flashes 32 , press ENTER (right) button.

A rectangular LCD display showing the characters 'pg d I A 9' in a simple, segmented font.

A rectangular LCD display showing the characters 'd 1 L [d' in a simple, segmented font.

A rectangular LCD display showing the characters 'd 2 n P r t' in a simple, segmented font.

A rectangular LCD display showing the characters 'd 3 [Lr' in a simple, segmented font.

A rectangular LCD display showing the number '00' in a simple, segmented font.

A rectangular LCD display showing the number '30' in a simple, segmented font.

A rectangular LCD display showing the number '32' in a simple, segmented font.

When the Memory is cleared, the value of the following features will automatically reset to the defaults.

Date: 01/01/95, Time: 12:00 AM, Daylight saving: off, Print style: '95 JAN 1 AM12:00, Language: English, Right/Left print: right, Auto Print: on and Leading zero suppress: off.