

## SPLIT SUCTION

ENG. NO. 339409  
Installation Instruction

July 1, 1988

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**INSTALLATION**

**GENERAL**

The EPC-2000 Split Suction control is incorporated in the EPC-2000 as an optional feature. The option is composed of software and an input terminal board.

Split suction is designed to allow separate capacity control at the same time based on two suction pressures. These pressures are measured by the EPC -2000's pressure sensors, each located on a separate side of the split suction header.

The following windows are meant to show only the sub-sections of the main EPC-2000 Installation Instruction (P/N 334495A) displays in chapter 3 (Operations) which are changed due to the split suction option. It also shows text and display material just before and just after the split suction displays. In the displays "L" and "H" indicate "low" and "high" suction pressure. The initial or default display alternates between "L" and "H" split suction pressure every 4 or 5 seconds.

**WINDOWS**

**POWERING UP THE SYSTEM**

When the system is first powered up the display will read:

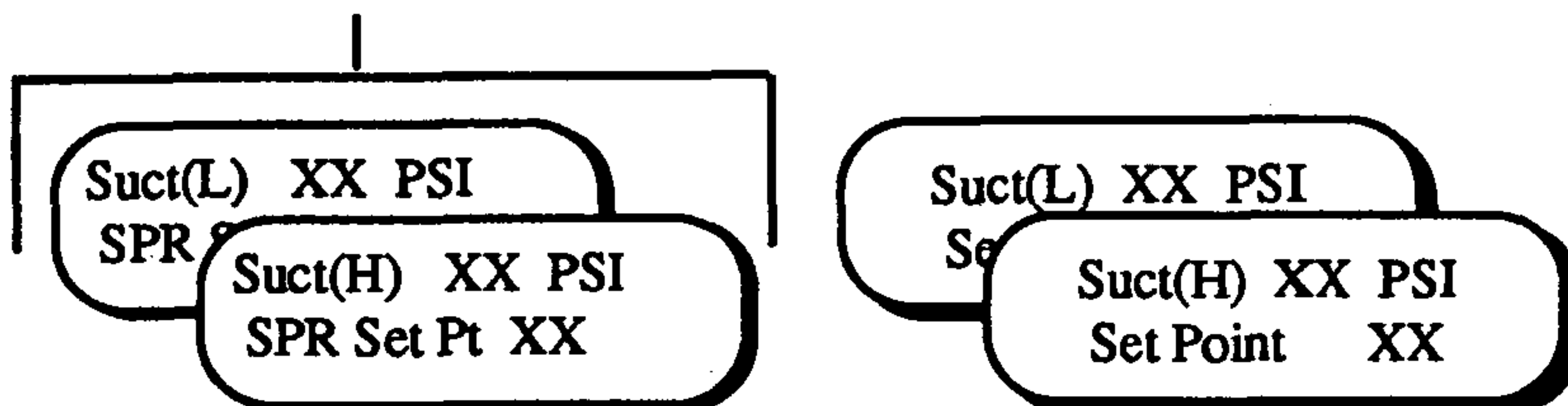
HUSSMANN  
EPC-2000

and then will read

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Corporation

and then will read

SPR OPTION  
ONLY



We will refer to this display as the initial or default display. See Figure 3-2.\* This display will remain on the screen in a normal operating condition.

The "TIME AND DATE DISPLAY" will follow.

\* In EPC-2000 Installation Instruction P/N 334495A

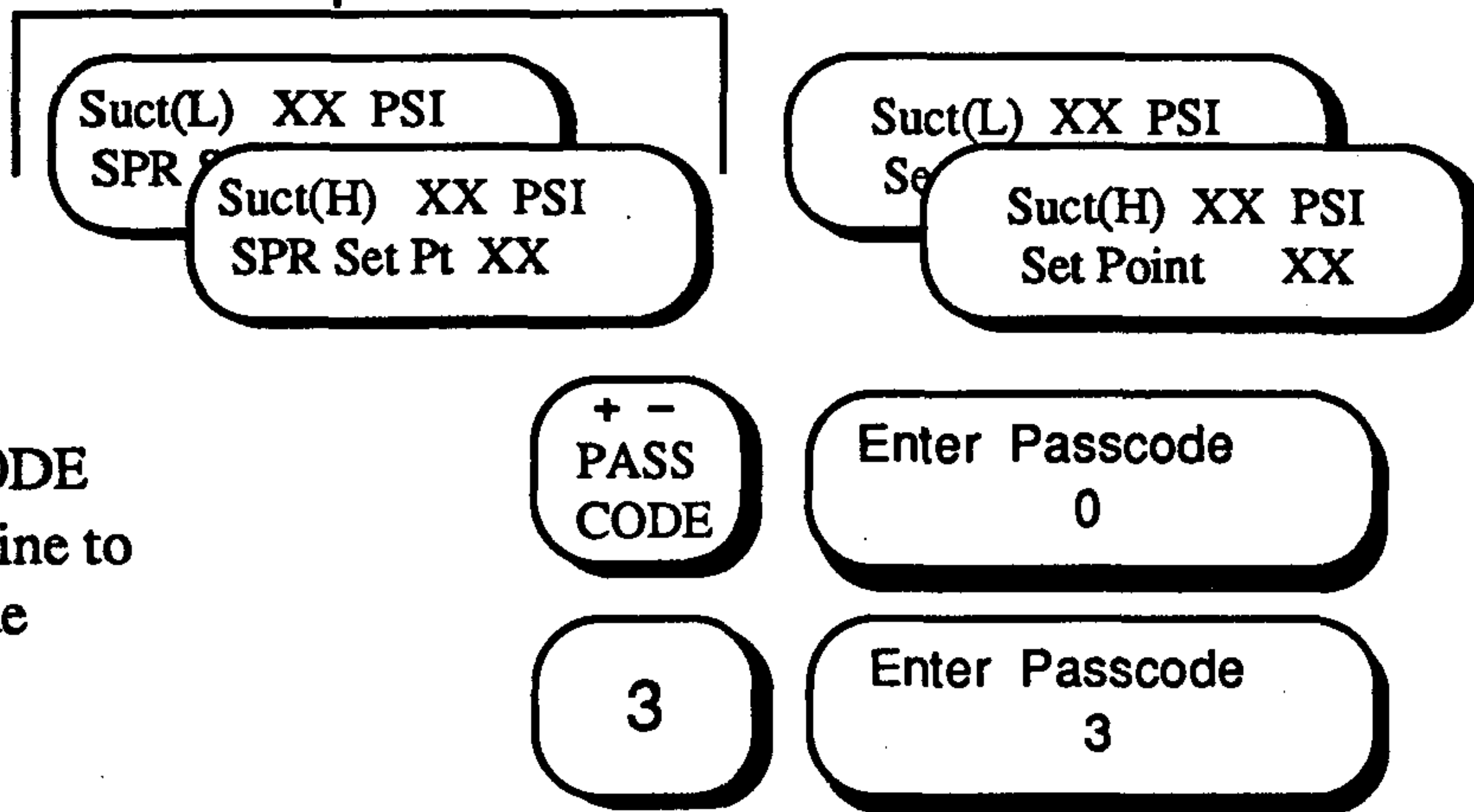
### ENTERING PASSCODES

#### User Passcode

DESCRIPTION  
OF FUNCTION

SPR OPTION  
ONLY

Press PASSCODE  
to get into routine to  
set the passcode



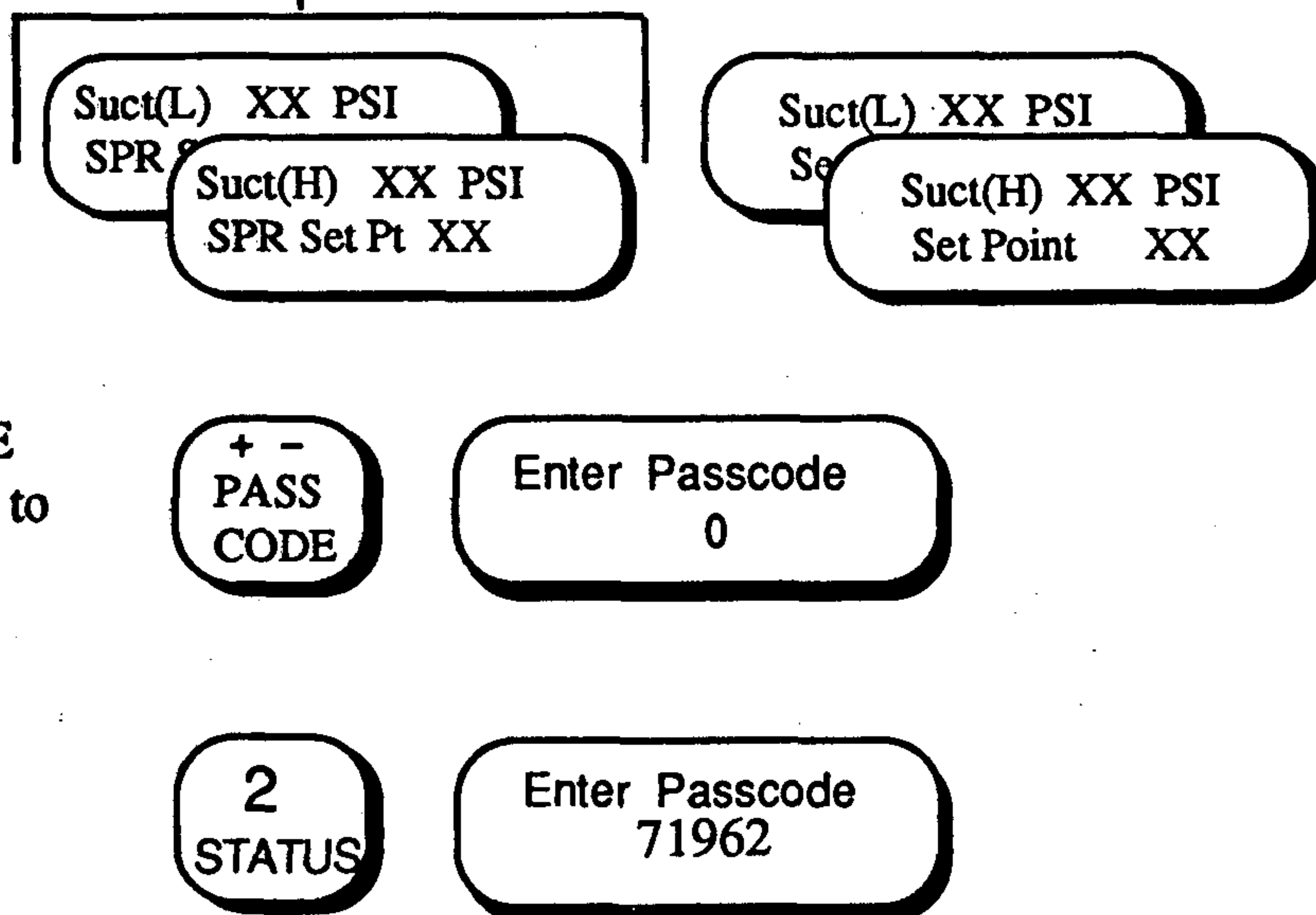
#### Maintenance Passcode

SPR OPTION  
ONLY

Initial  
Display

Press PASSCODE  
to get into routine to  
set the passcode

Press the five  
digits of the  
passcode



Setting New User passcode will follow in EPC-2000 Installation Instruction P/N 334495A.

**Setting New USER passcode**

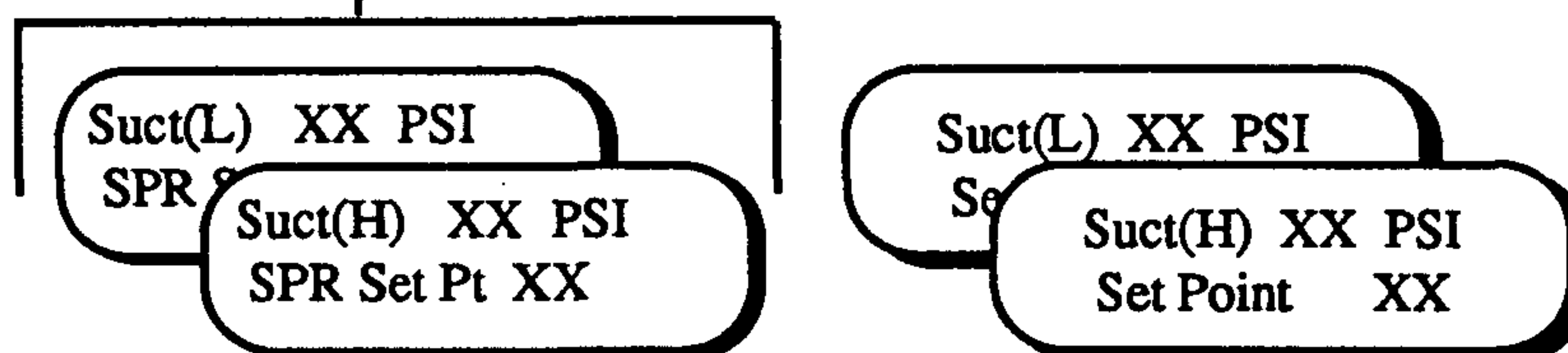
Setting a new USER passcode can be accomplished as shown in the following steps. After you have entered the desired digits for the passcode, the EPC-2000 will ask you for confirmation. You must enter the passcode digits again. Upon correct entry, you will get access to either the **ALARM** or **SYSTEM MENUS**.

DESCRIPTION  
OF FUNCTION

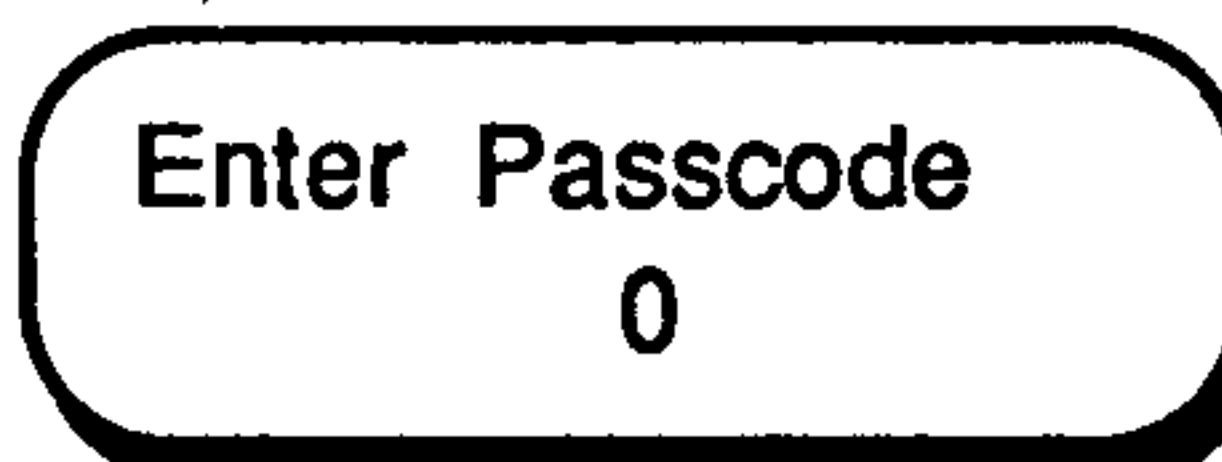
PRESS  
THIS  
KEY

THIS  
WILL  
DISPLAY

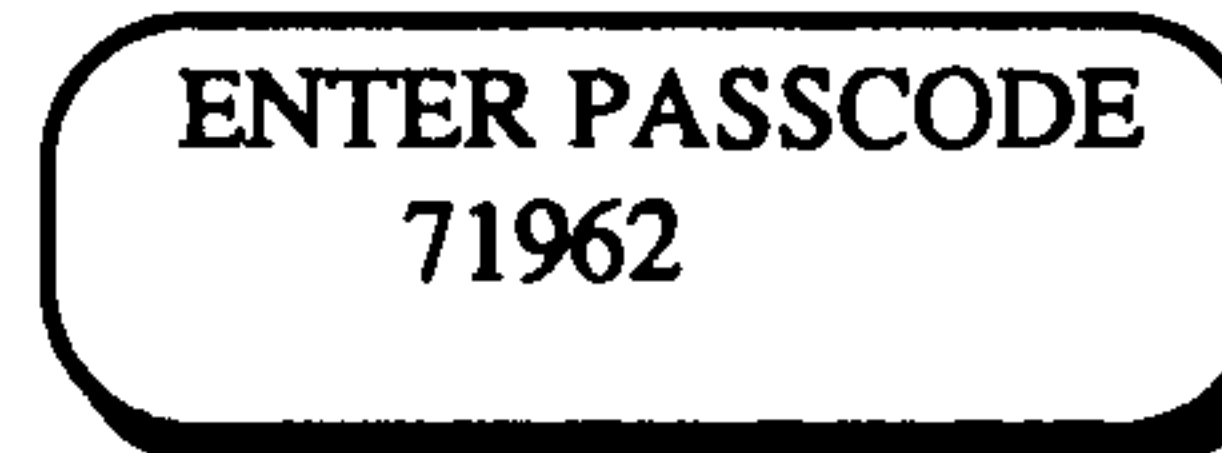
SPR OPTION  
ONLY



Press **PASSCODE** to get into routine to set the **PASSCODE**



Enter the **MAINTENANCE** passcode



**NOTE:** You cannot return to the top level until the new passcode is successfully entered and verified.

Entering and testing the new USER passcode displays will follow in EPC-2000 Installation Instruction P/N 334495A.

**STATUS MENU**

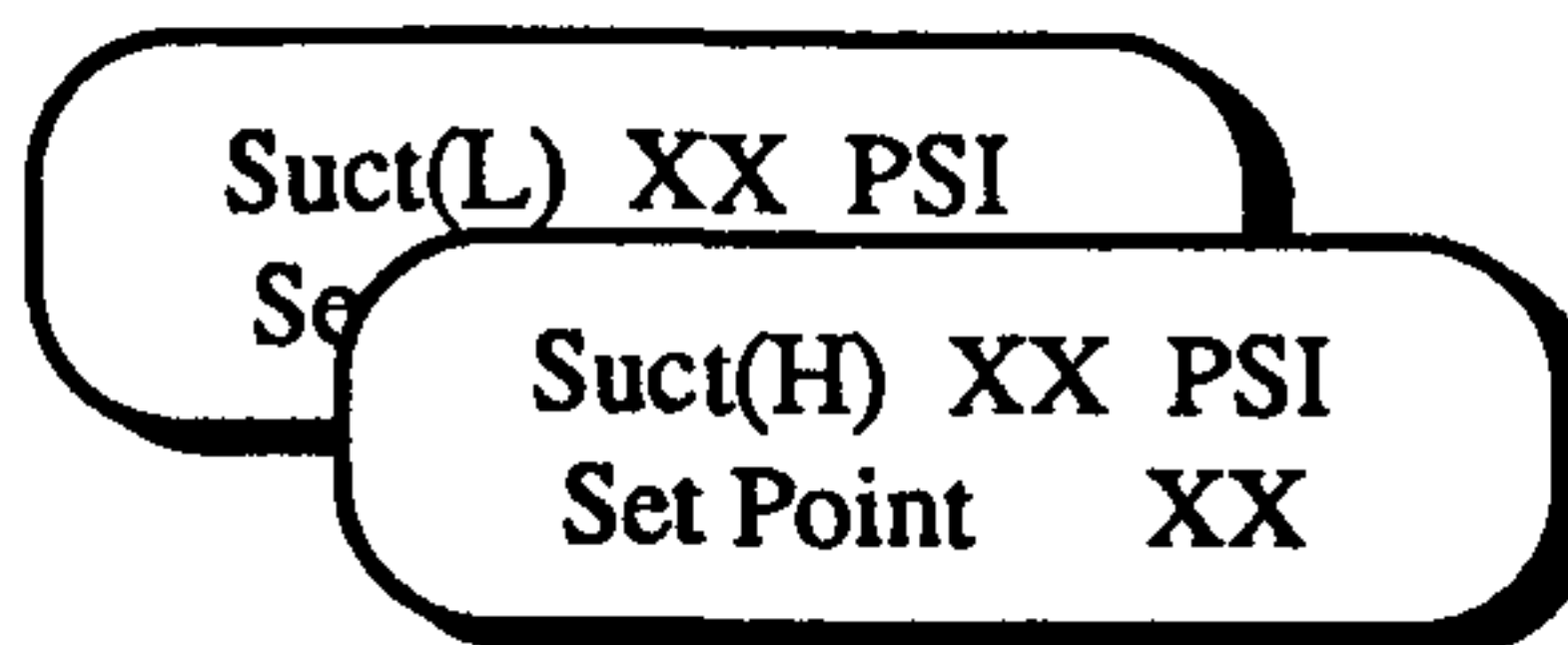
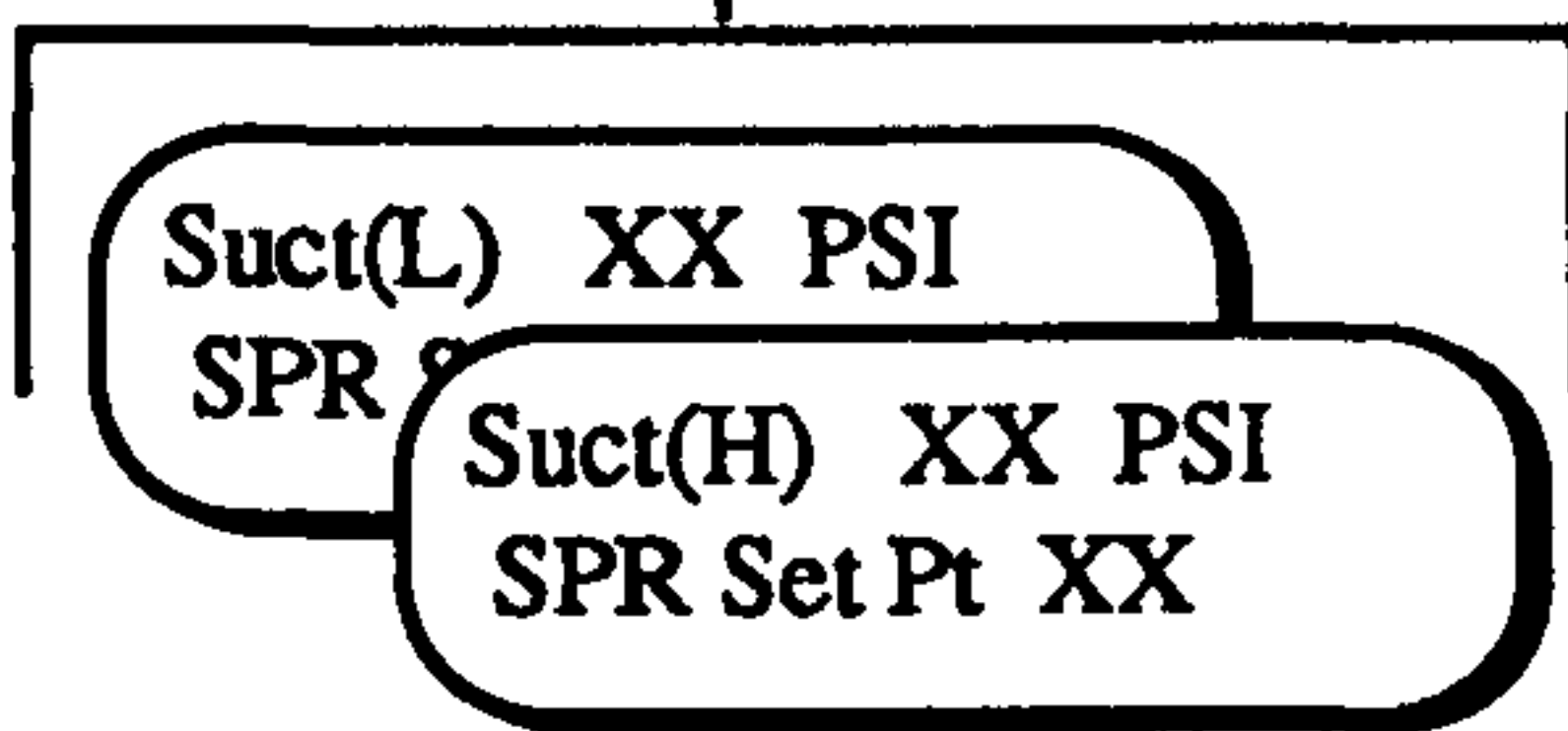
DESCRIPTION  
OF FUNCTION

PRESS  
THIS  
KEY

THIS  
WILL  
DISPLAY

SPR OPTION  
ONLY

Initial  
Display



Pressing the STATUS  
key will access the  
STATUS MENU.

Pressing the down  
scroll will show next  
window and indicate  
what setpoints are  
programmed into  
processor or the  
actual reading that is  
occurring at that time in  
the system.



TIME MO DA YR  
00:00 00/00/00



Suction Set Pt  
(L) XX PSI



Suction HI Alarm  
(L) XX PSI



Suction LO Alarm  
(L) XX PSI

Optional Suction Pres-  
sure Reset (SPR)



SPR Suction SP  
(L) XX PSI



SPR Case Temp  
(L) XXX F



SPR Case Set Pt  
(L) XX F













Suction Set Pt  
(H) XX PSI



Suction HI Alarm  
(H) XX PSI



Suction LO Alarm  
(H) XX PSI

DESCRIPTION OF FUNCTION	PRESS THIS KEY	THIS WILL DISPLAY
Optional Suction Pressure Reset (SPR)		SPR Suction SP (H) XX PSI
		SPR Case Temp (H) XXX F
		SPR Case Set Pt (H) XX F
Optional Satellites		Sat #1 Temp XX F
		Sat #1 Set Pt XX F
		Sat #1 HI Alarm XXX F
		Sat #1 LO Alarm XX F
		Sat #2 Temp XX F
		Sat #2 Set Pt XX F
		Sat #2 HI Alarm XX F

**MAINTENANCE MENU**

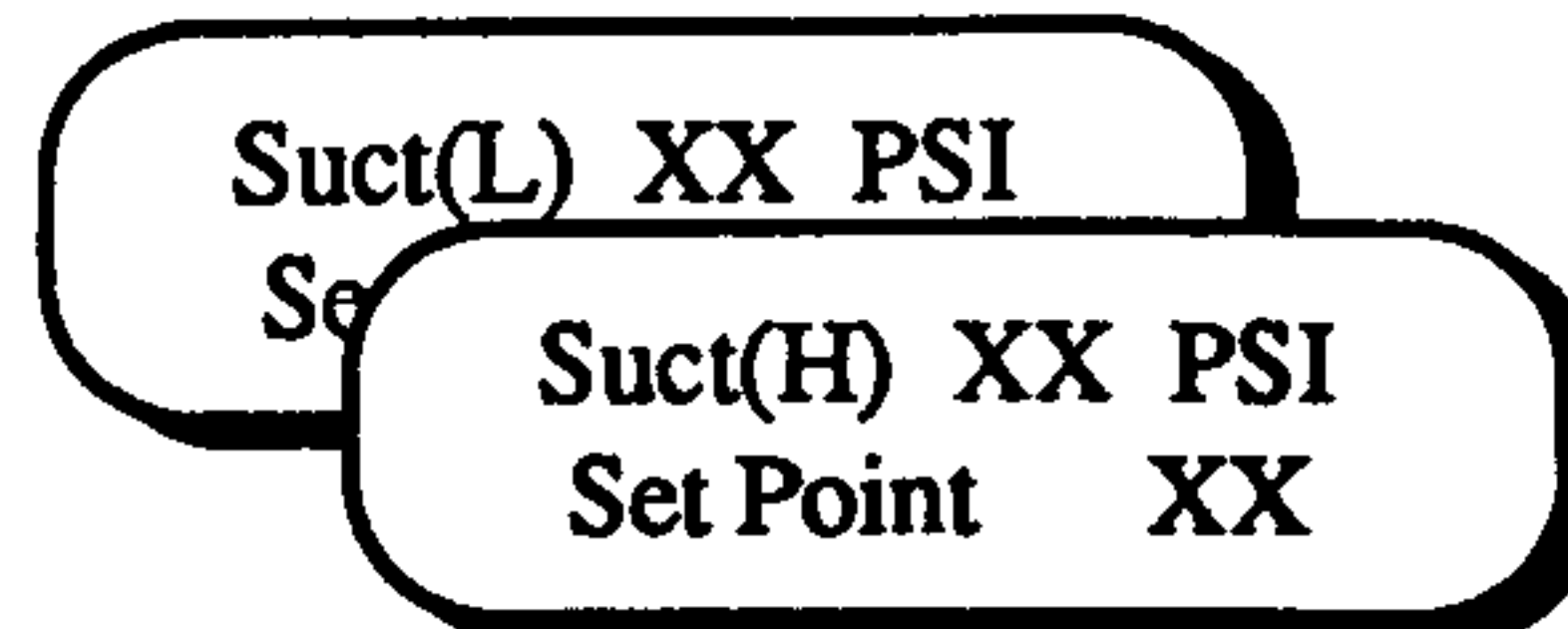
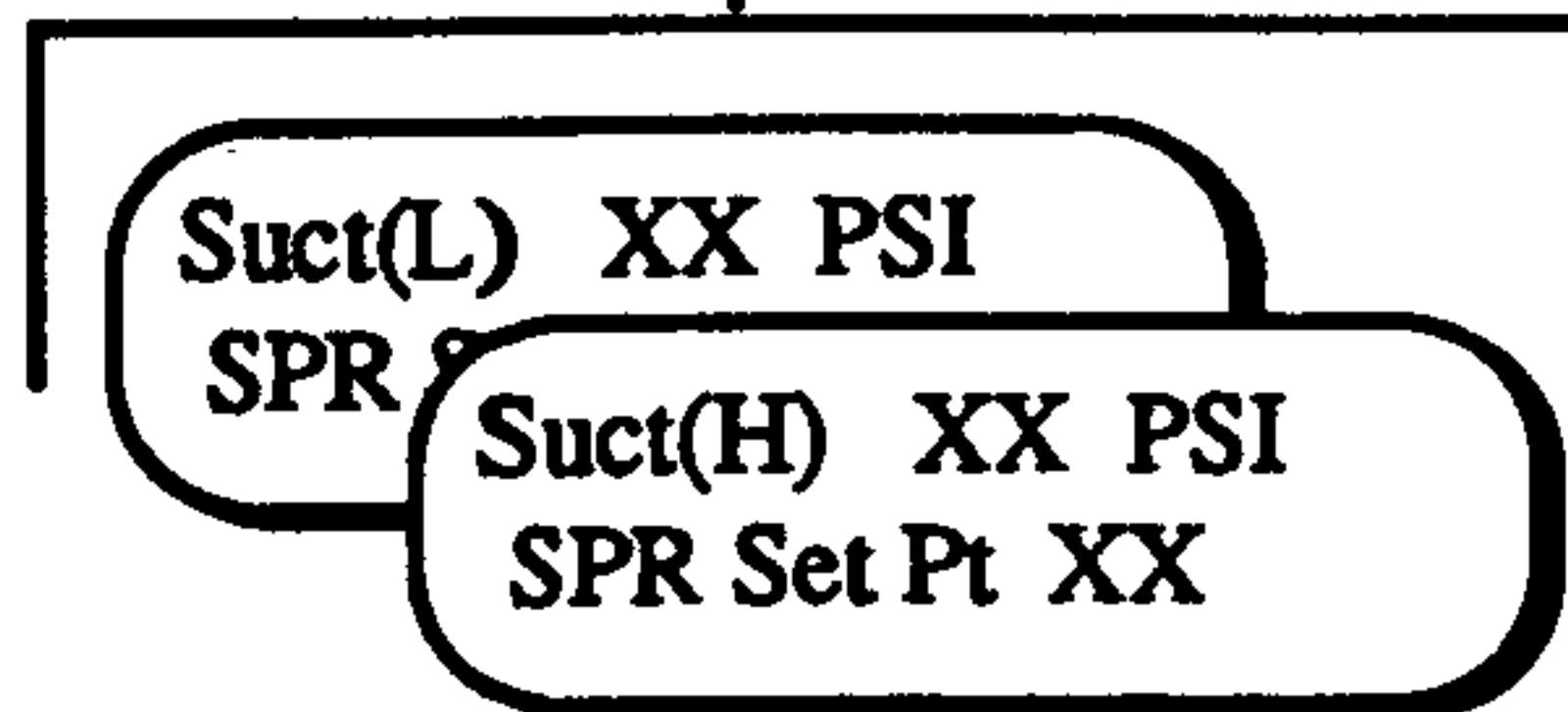
DESCRIPTION  
OF FUNCTION

PRESS  
THIS  
KEY

THIS  
WILL  
DISPLAY

SPR OPTION  
ONLY

Initial  
Display



Provides means to  
reset the run meters



Clear Run Meter ?  
1 = YES 0 = NO



Zero Suct(L) Prs  
1=Yes 0=No

This is the end of the  
**MAINTENANCE**  
menu.



Zero Suct(H) Prs  
1=Yes 0=No



## SYSTEM MENU

DESCRIPTION  
OF FUNCTION

PRESS  
THIS  
KEY

THIS  
WILL  
DISPLAY

Initial  
Display

SPR OPTION  
ONLY

Suct(L) XX PSI

SPR

Suct(H) XX PSI

SPR Set Pt XX

Suct(L) XX PSI

Se

Suct(H) XX PSI

Set Point XX

+ -  
PASS  
CODE

Enter Passcode  
0

Follow steps to enter the  
appropriate PASSCODE

Enter the appropriate  
PASSCODE

ENTER

(1) Press  
ALARM, or SYSTEM

Press the SYSTEM  
key

5  
SYSTEM

<<SYSTEM MENU>>

After a 3 second delay  
the first screen will  
appear

Suction SetPt  
(L) XX PSIG

Press the down scroll  
to view the next  
screen of this menu



Suction HI Alarm  
(L) XX PSIG



Suction LO Alarm  
(L) XX PSIG



SPR case SetPt  
(L) XX PSI

**SYSTEM MENU**

DESCRIPTION  
OF FUNCTION

PRESS  
THIS  
KEY

THIS  
WILL  
DISPLAY

Suction SetPt  
(H) XX PSIG



Suction HI Alarm  
(H) XX PSIG



Suction LO Alarm  
(H) XX PSIG



SPR case SetPt  
(H) XX F



Sat #1 Set Pt  
XX F

If Satellite  
Options



Sat #1 HI Alarm  
XXX F



Sat #1 LO Alarm  
XX F



Sat #2 Set Pt  
XX F



Sat #2 HI Alarm  
XX F



Sat #2 LO Alarm  
XX F



EPC Station no.  
XX



Show Fact Set Up?  
1=YES 0=NO

**FACTORY SETUP**

Press YES

1 YES	REFRIGERANT XXX
▼	Spl Suc Inst
▼	DEFAULT SUCTION (L) XX PSI
▼	X COMPRESSORS(L)
▼	(L) XM XR XS *
▼	SPR(L) Installed
▼	DEFAULT SUCTION (H) XX PSI
▼	X COMPRESSORS (H)
▼	(H) XM XR XS *
▼	SPR(H) Installed
▼	Super Market

\* M = mix-match R = round robin S = sequential X = number of compressors each

The remaining displays in the **SYSTEM MENU** in EPC-2000 Installation Instruction P/N 334495A indicate if a particular option is installed.

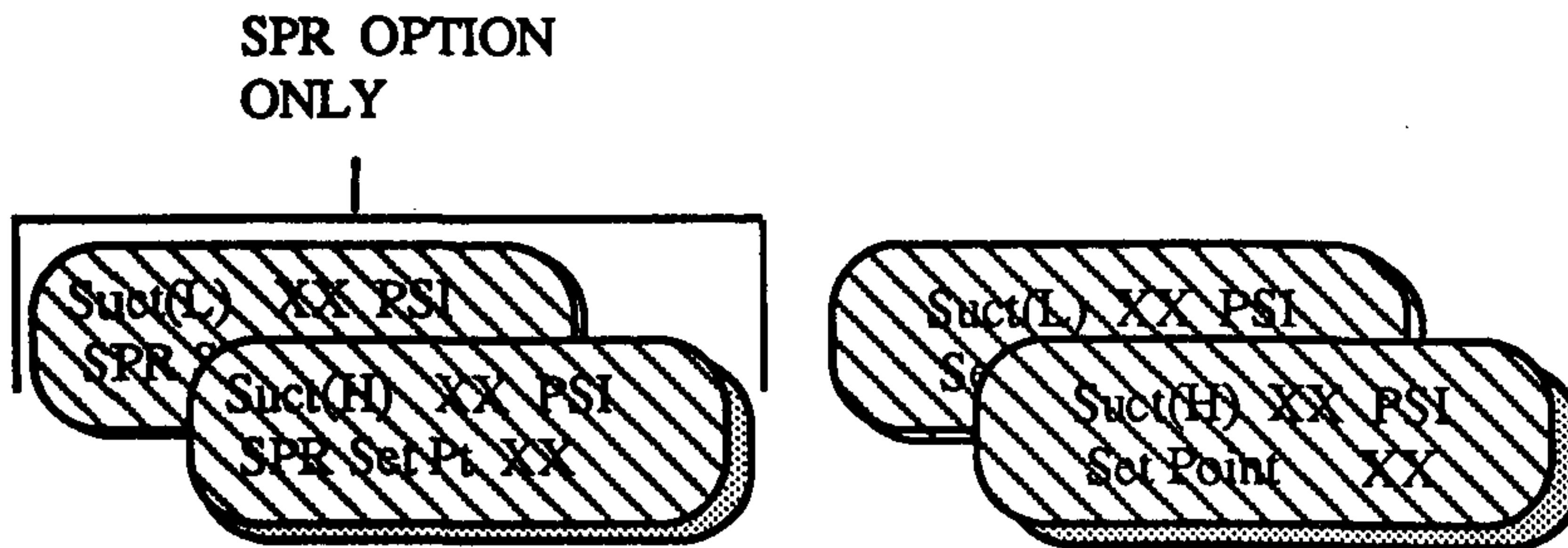
**ALARM MENU**

DESCRIPTION  
OF FUNCTION

PRESS  
THIS  
KEY

THIS  
WILL  
DISPLAY

Initial Display:  
constant beeping,  
backlight flashing.



Press PASSCODE to get into  
routine to set the PASSCODE

**NOTE:** Beeping will stop,  
flashing continues.

Press the digit(s) of the  
PASSCODE

Press ENTER

Press the ALARM key  
to initiate the ALARM  
menu.

Press YES to turn the  
ALARM off. The back-  
light will stop flashing.

If "YES" then go to section 'Setting the Clock'

Down scroll key will  
indicate past alarm  
history

Sample alarm history showing  
possible suction (L) and  
(H) events

+ -  
PASS  
CODE

Enter Passcode  
0

3

Enter Passcode  
3

ENTER

Press  
ALARM or SYSTEM

9  
ALARM

Turn Alarm OFF  
1=Yes 0=No

1  
YES

SET CLOCK ?  
1 = YES 0 = NO

▼

Suction Pressure  
is too LOW (H)

▼

Logged time at  
HH:MM MM/DD/YY

▼




Suction Pressure  
is too LOW (L)

▼

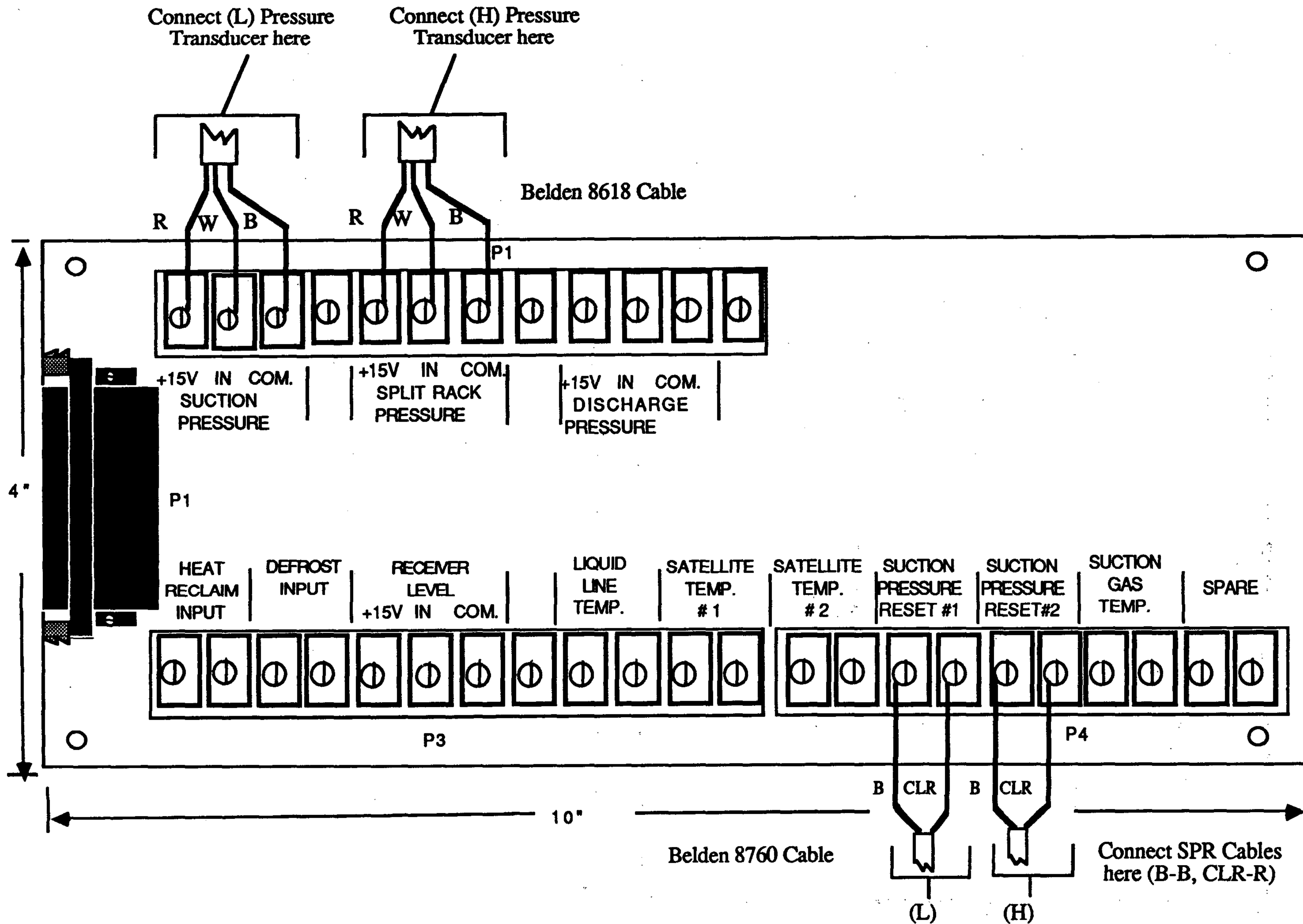
Logged time at  
HH:MM MM/DD/YY

▼

Suction Pressure  
is too HIGH (H)

DESCRIPTION OF FUNCTION	PRESS THIS KEY	THIS WILL DISPLAY
<p>Press Enter at any time during any menu to prompt "LEAVE MENU ?"</p>		<p>Logged time at HH:MM MM/DD/YY</p>
		<p>Suction Pressure is too HIGH (L)</p>
		<p>Logged time at HH:MM MM/DD/YY</p>
	<p>ENTER</p>	<p>Leave Menu? 1=Yes 0=No</p>

**SETTING THE CLOCK** will follow in EPC-2000 Installation Instruction P/N 334495A.



EPC-2000 Split Suction Terminal Board