

Line 1 of the MCA Display when **No Alarms** are Present.

SYSTEM OK, NO ALARMS

Line 1 of the MCA Display when **Alarms** are Present.

(1 or more of the following Alarm Messages display.  
If more than 1 alarm conditions are present, Alarm Messages continuously scroll across the display.)

1	EMERGENCY STOP INPUT ACTIVE
2	HI VOLTAGE SHUTDOWN INPUT ACTIVE
2A	ALTERNATE CURRENT LIMIT ACTIVE
3	SYSTEM VOLTAGE IS VERY LOW
4	SYSTEM BATTERY IS ON DISCHARGE
5	SYSTEM HIGH VOLTAGE #1 ALARM
6	SYSTEM HIGH VOLTAGE #2 ALARM
7	1 SYSTEM BREAKER OR FUSE ALARM or ### SYSTEM BREAKER & FUSE ALARMS
11	AC POWER IS OFF TO ALL PCUs 1 PCU HAS FAILED or ### PCUs HAVE FAILED
12	NO PCUs ARE IN INVENTORY 1 DIST. PANEL HAS FAILED or ## DIST. PANELS HAVE FAILED
40	NO DIST. PANELS ARE IN INVENTORY 1 I/O BOARD HAS FAILED or ## I/O BOARDS HAVE FAILED
55	NO I/O BOARDS ARE IN INVENTORY 1 ROUTER HAS FAILED or ## ROUTERS HAVE FAILED
66	NO ROUTERS ARE IN INVENTORY 1 RELAY BOARD HAS FAILED or ## RELAY BOARDS HAVE FAILED
78	NO RELAY BOARDS ARE IN INVENTORY
88	HIGH TEMPERATURE #1 ALARM
89	HIGH TEMPERATURE #2 ALARM
90	LOW TEMPERATURE #1 ALARM
91	LOW TEMPERATURE #2 ALARM
92	TEMPERATURE SENSOR NO SIGNAL
93	MAJOR MONITORING ALARM(S) or Monitoring Major LED Messages
94	MINOR MONITORING ALARM(S) or Monitoring Minor LED Messages
95	MONITORING INFORMATION or Monitoring Info LED Messages
96	MONITORING DOES NOT RESPOND
97	CONTROLLER FAILURE ####
98	THE CONTROLLER IS INITIALIZING
99	TOTAL LOAD CURRENT ALARM
100	DISTRIBUTION GROUP A LOAD ALARM
101	DISTRIBUTION GROUP B LOAD ALARM
102	THE DISPLAY DOES NOT RESPOND

Line 2 of the MCA Display.

System Output Voltage and System Output Current.

vv.vvV      aaaaaA

or

any of the following messages as a User navigates the MCA Menu tree.

CHANGE THE VARIABLE	Text displayed while changing a value.
ARE YOU SURE?	Text displayed while storing a value.
CHANGES ARE DISABLED	Text displayed if local changes are disabled.
<CONDITION> LIMITED	Text displayed if value cannot be changed further.
RELAY FUNCTION A#	Text displayed while in Relay Function Definition Menu.
WARNING: TOTAL POWER LOSS IS POSSIBLE. GO AHEAD ANYWAY?	Text displayed before changing Test High Voltage Shutdown value.

Navigation Key Codes (displays in 4th Line as a User navigates the MCA Menu Tree).

♪	alarm cutoff
i	information available
+	increment
-	decrement
Y	yes
N	no
▲	up
▼	down
▶	right
◀	left
E	enter
♪	alarm cutoff/enter together
±	yes/no together

Color Code:

Identify Unit
Identify Unit, Changeable Parameter
Changeable Parameter

Black indicates text that does not change.

Red indicates places where the MCA substitutes a fixed number or text string.

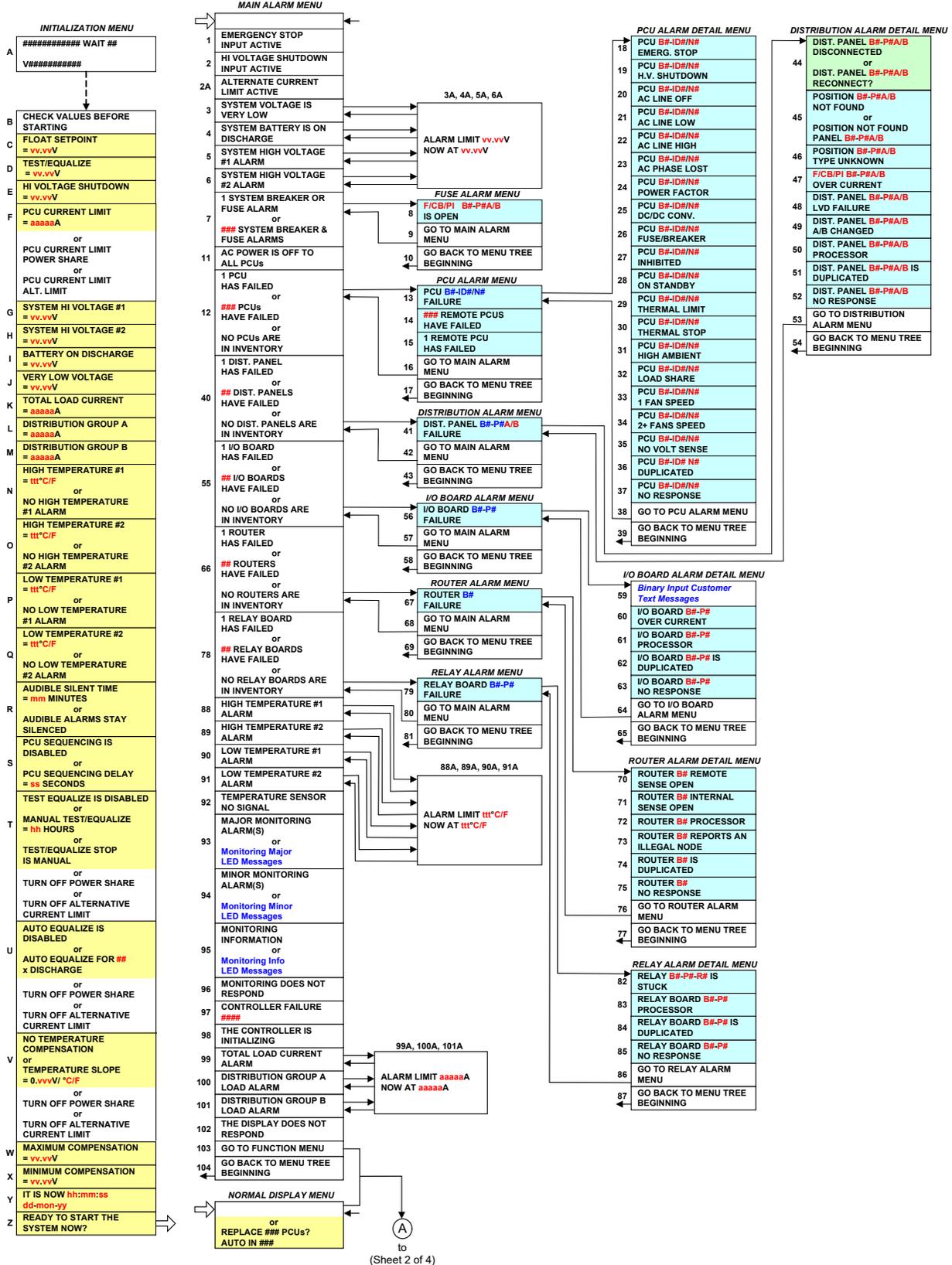
Blue indicates places where the MCA substitutes a number or text string that can be scrolled through different values.

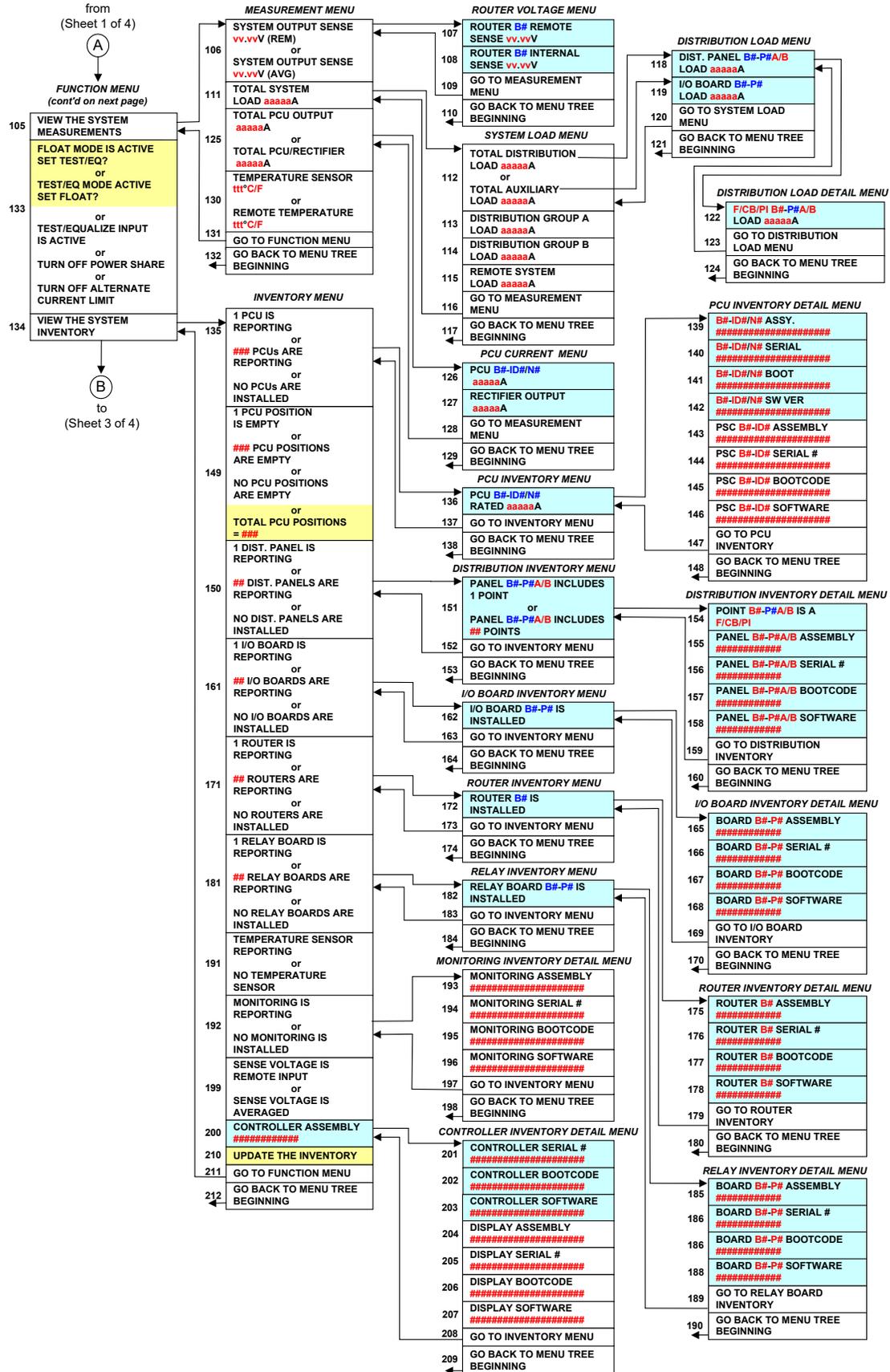
Key:

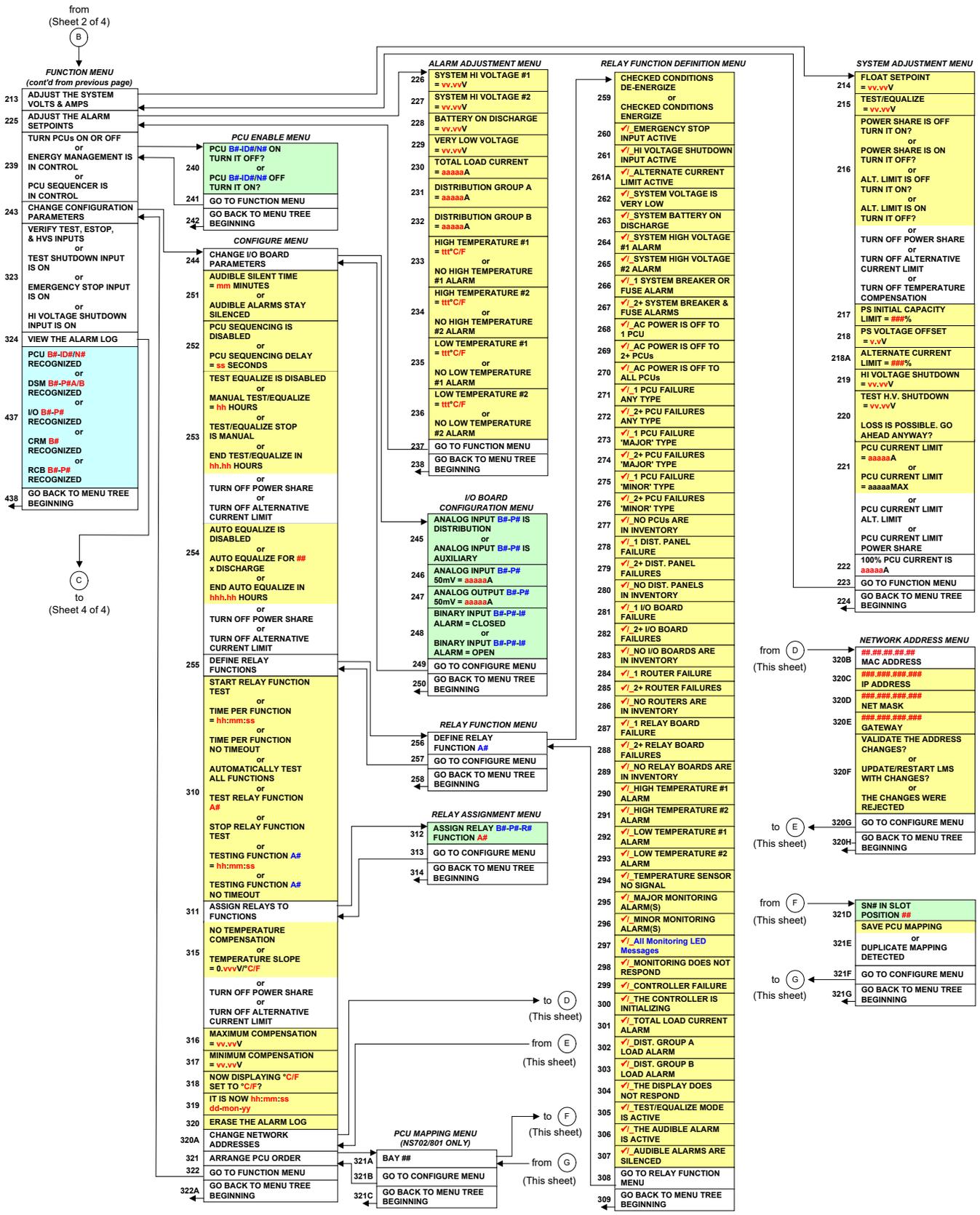
a	=	amps
v	=	volts
t	=	temperature
h	=	hours
m	=	minutes
s	=	seconds
d	=	day of the month
mon	=	month
y	=	year
#	=	substituted number or text
A#	=	alarm function number
B#	=	bay number
I#	=	binary input number
P#	=	position number
ID#	=	PCU (Rectifier) MCA identification number
N#	=	Total number of PCUs (Rectifiers) in the system
SN#	=	PCU (Rectifier) serial number
R#	=	relay number
A/B	=	A (group A, jumper on) or B (group B, jumper off) or space (all jumpers on)
C/F	=	C (Celsius) or F (Fahrenheit)
F/CB/PI	=	FUSE or BREAKER or PLUG-IN or MISC 50-73
<CONDITION>	=	FLOAT or TEST/EQ or HV SHUTDOWN or HIGH RANGE or LOW RANGE or MAX. COMP. or MIN. COMP.
✓/ _	=	✓ (condition is selected) or space (condition not selected)
♪/✓	=	♪ (alarms were present) or ✓ (no alarms present)

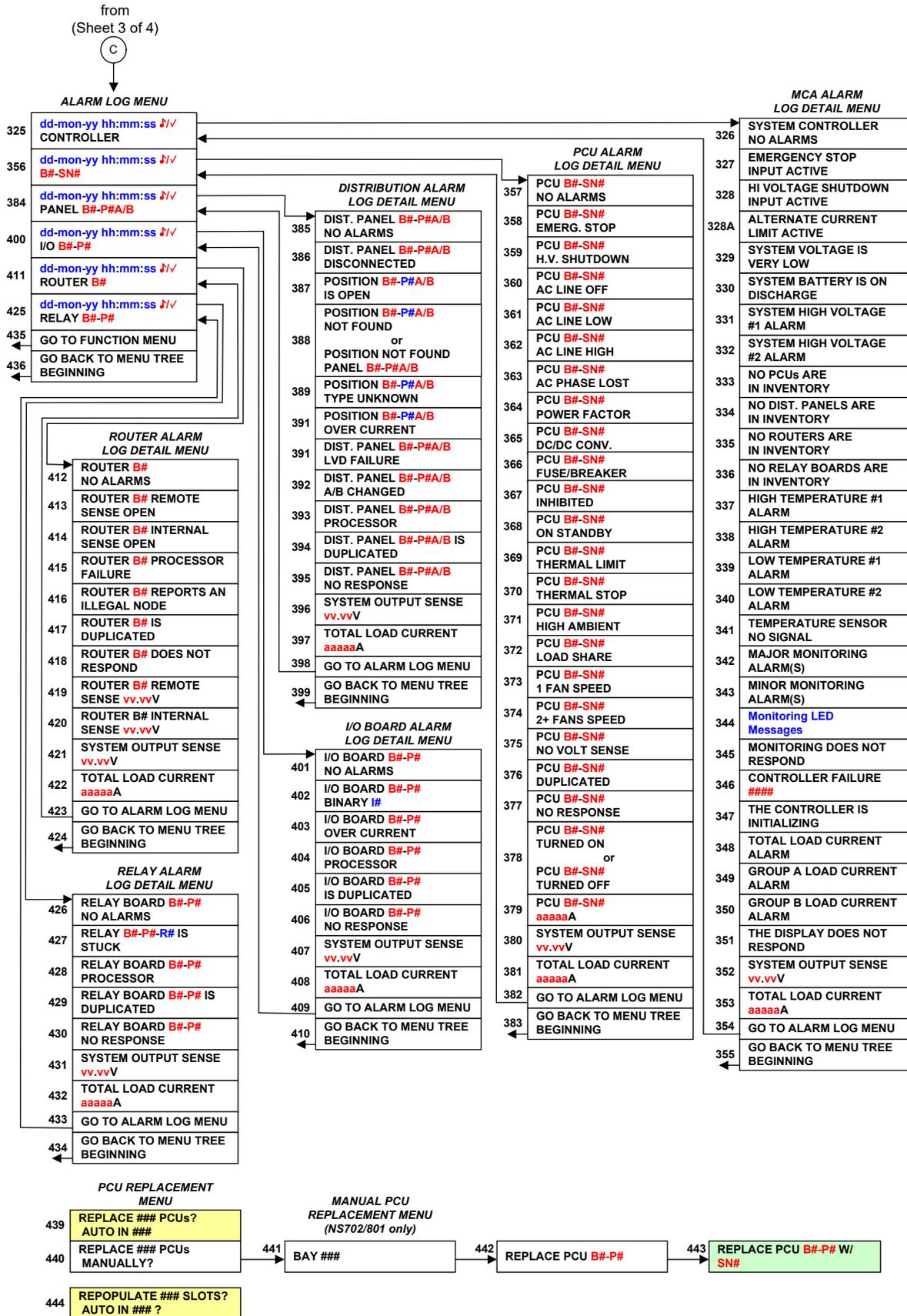
TASK	KEY OR KEY COMBINATIONS	NOTES
Getting to Home Position	<p><u>YES / + / i and NO / -</u></p>	At any level in the MCA menus, pressing <b>YES / + / i</b> and <b>NO / -</b> simultaneously takes you back to the beginning of the MCA menu tree.
Moving from One Menu to Another Menu	<p><u>ENTER</u></p>	You can travel left to right from one menu to another by pressing <b>ENTER</b> . You can also go back to a specified menu by pressing <b>ENTER</b> while the menu's name is being displayed.
Moving Within a Menu	<p><u>UP ARROW, DOWN ARROW</u></p> <p>FUNCTION SELECT Up  Down </p>	Press <b>UP ARROW</b> to move up the list of available entries in the active menu. Press <b>DOWN ARROW</b> to move down the list of available entries in the active menu.
<p><u>Changing a Value or Setting</u></p> <p>Entering the Adjustment/Change Setting Mode</p> <hr/> <p>Changing the Value or Setting</p> <hr/> <p>Locking the Change</p> <hr/> <p>Confirming the Change</p>	<p><u>ENTER and ALARM CUTOFF</u></p> <p><u>YES / + / i and NO / -</u></p> <p><u>ENTER</u></p> <p><u>YES / + / i and NO / -</u></p>	<p>Changing a value or setting requires four (4) steps.</p> <ol style="list-style-type: none"> <li>1. With the current value or setting being displayed, simultaneously press <b>ENTER</b> and <b>ALARM CUTOFF</b>.</li> <li>2. To increase the value or change the setting, press <b>YES / + / i</b>. To decrease the value or change the setting, press <b>NO / -</b>.</li> <li>3. With the correct value or setting being displayed, press <b>ENTER</b>.</li> <li>4. To accept the change, at the "ARE YOU SURE?" prompt press <b>YES / + / i</b>. To reject the change, at the "ARE YOU SURE?" prompt press <b>NO / -</b>.</li> </ol>
<p><u>Changing a Control Function</u></p> <p>Entering the Adjustment/Change Setting Mode</p> <hr/> <p>Confirming the Change</p>	<p><u>ENTER and ALARM CUTOFF</u></p> <p><u>YES / + / i and NO / -</u></p>	<p>Changing a control function requires two (2) steps.</p> <ol style="list-style-type: none"> <li>1. With the control function menu item being displayed, simultaneously press <b>ENTER</b> and <b>ALARM CUTOFF</b>.</li> <li>2. To accept the change, at the "ARE YOU SURE?" prompt press the <b>YES / + / i</b>. To reject the change, at the "ARE YOU SURE?" prompt press <b>NO / -</b>.</li> </ol>

The User navigates **Lines 3 and 4** of the MCA Display using the Keypad on the MCA Control Panel.  
(The following indicates the actual text shown on each line of Lines 3 and 4 of the MCA Display, Line 4 also displays applicable navigation key codes, see previous page for explanation of codes.)









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