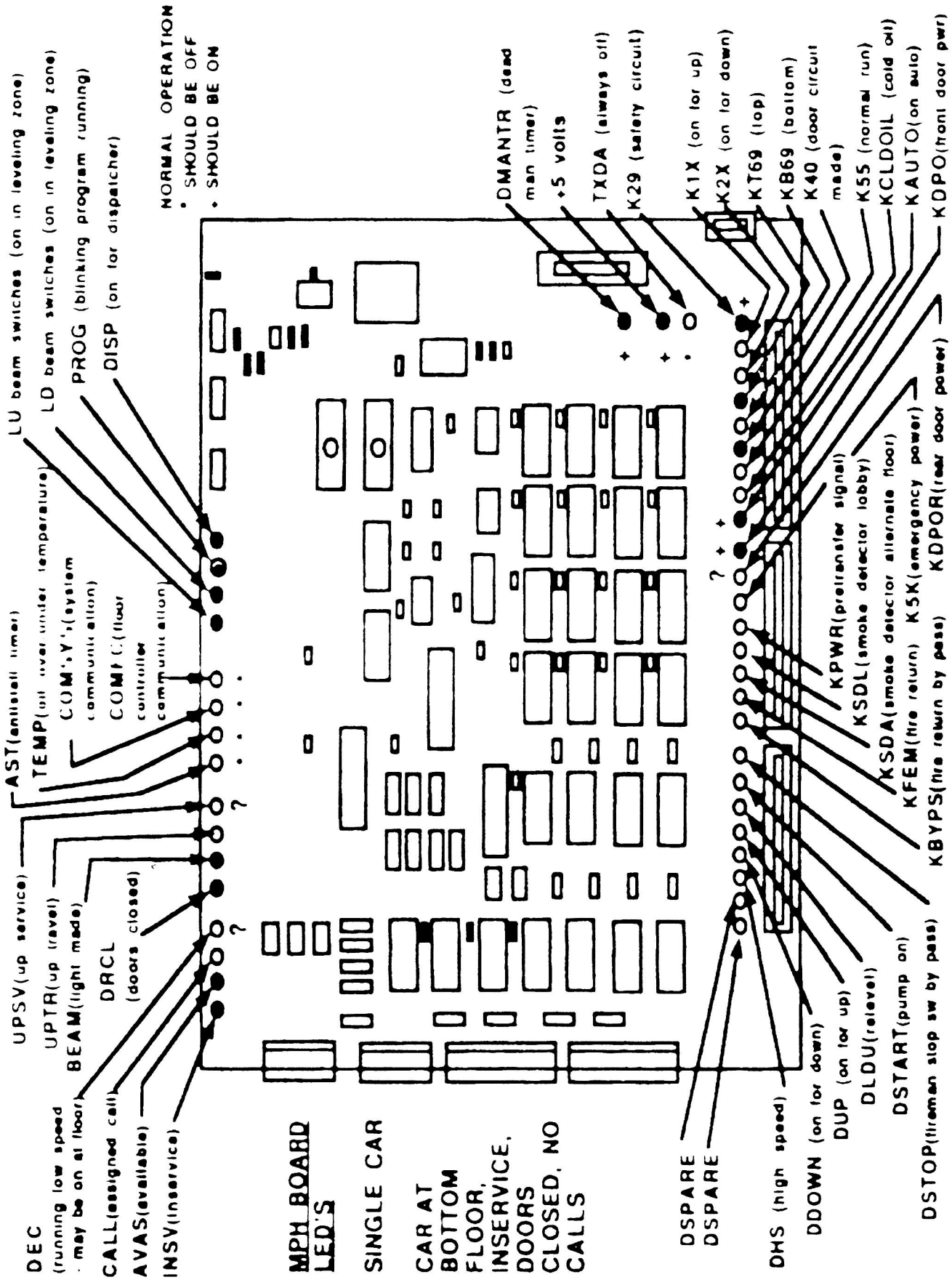

Figure 3-1 MPH Board LED's

3.2 MPH II

The MPH II LED's (see figures 3-2, 3-3, and 3-4) do not provide as much information as the ones for MPH I. The first thing to check on the MPH II is the AVP (selector display) LED unit to see if the decimal point is flashing. This decimal point serves the same function on MPH II as the PROG LED on MPH I. This decimal point should be flashing at a steady rate to show that the program is running correctly. The AVP display should show the correct location of the car and the LED's for a single car should be as shown in the drawing on the next page.

For more information, log on with the HHT. The flow charts (section 3.3) will help you find the different screens available. The flow charts will work for both MPH I and MPH II. The troubleshooting charts in this section will work for both units.

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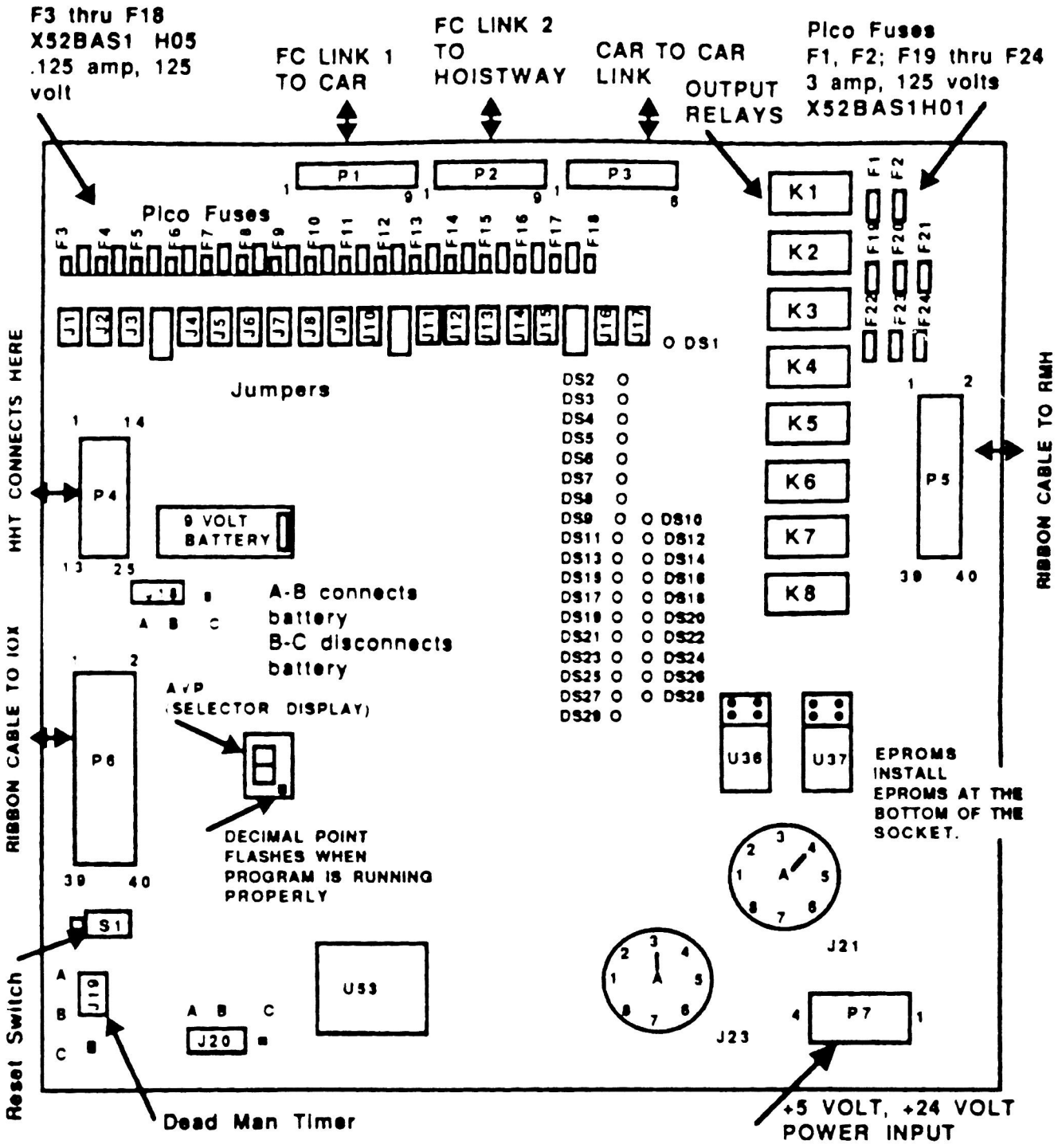

MHC Board Part No. 998C187 H24 (NEW)
MHC Board Part No. 998C187 H13 (OLD) Had a plug in 9-volt battery. (Shown)

Figure 3-2. MHC Board

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OUTPUTS	DSTART (DS1) 0	- UPA circuit Col. 10
	DSTOP (DS2 0	- Bypass step switch Col. 9
	DLDU (DS3) 0	- Relevel - Col. 10
	DUP (DS4) 0	- Up direction circuit - Col. 10
	DDOWN (DS5) 0	- Down direction circuit - Col. 10
	DHS (DS6) 0	- High speed circuit - Col. 9
	SPARE (DS7) 0	- APE active - Col. 11
	SPARE (DS8) 0	- Col. 11

INPUTS	INPUTS
Col. 11 - Emergency power K5K/OBU (DS9) 0	0 (DS10) KPRW / 1BD EMP Prewarn - Col. 11
Col. 11 - Lobby smoke det. KSDL/1BU (DS11) 0	0 (DS12) KSDA / 2BD Alt Flr Smoke det. - Col 11
Col. 4 + 5Vdc 5V(DS13) ●	● (DS14) KDPO Front door power - Col. 9
Col. 9 - Rear door power KDPOR (DS15) 0?	0 (DS16) KFEM Fireman's Phase 1 - Col. 11
Col 5 - Horstway + 24Vdc K24B (DS17) ●	0 (DS18) KBYPS Fireman s Phase 1 Bypass - Col. 11
Col 8 - Safety circuit K29 (DS19) ●	● (DS20) KAUTO Automatic - Col 9
Col 8 - Cold oil KCLDC (DS21) 0	● (DS22) K24A 24 volt power - Col. 4
Col 8 - Motor oil overtemp K55 (DS23) 0	0 (DS24) KT69 Top terminal - Col 9
Col. 8 - Door closed K40 (DS25) 0	0 (DS26) K2X Down direction - Col 8
Col 9 - Bottom terminal KB69 (DS27) ●	0 (DS28) K1X Up direction - Col 8
Dead man timer KRESET (DS29) ●	

NOTE: * For MPH II Case 1, the DS9, 10, 11, and 12 squares are different
DS9 = bottom floor up button
DS10 = 2nd floor down button
DS11 = 2nd floor up button
DS12 = 3rd floor down button

LED's shown in the normal state for a single care, in service, with no calls and the car at the bottom floor:

should be OFF shown as a circle
should be ON shown as a solid dot
could be either way shown as a circle with a question mark

Figure 3-3. MHC Board LED's

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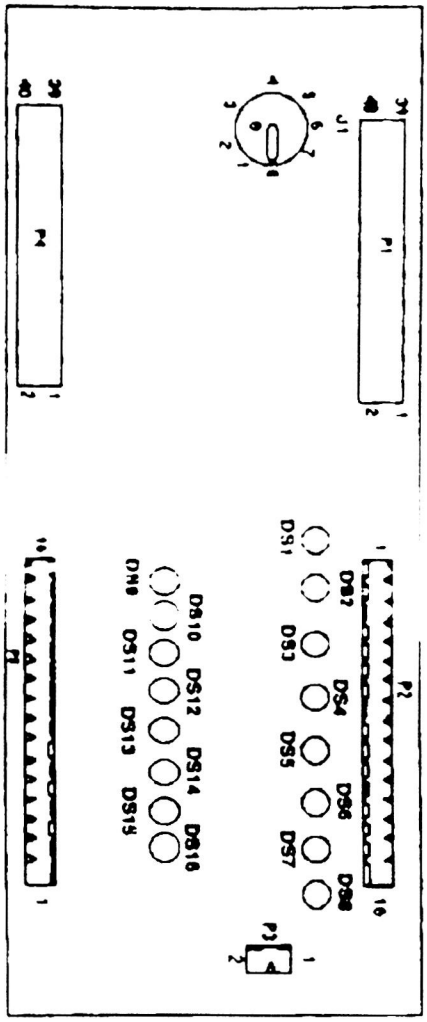
TOP OF BOARD



NOTE FOR CLARITY, ONLY JUMPER, CONNECTORS, AND LED'S ARE SHOWN

10X0

(DS9)	o 3BU	(DS1)	o FFS
(DS10)	o 3BD	(DS2)	o 0LU
(DS11)	o 2BU	(DS3)	o 1LD
(DS12)	o 2BD	(DS4)	o 1LU
(DS13)	o 1BU	(DS5)	o 2LD
(DS14)	o 1BD	(DS6)	o 2LU
(DS15)	o 0BU	(DS7)	o 3LD
(DS16)	o KLDOB	(DS8)	o 3LU

10X1

(DS9)	o ALDOB	(DS1)	o 4LD
(DS10)	o 7BD	(DS2)	o 4LU
(DS11)	o 6BU	(DS3)	o 5LD
(DS12)	o 6BD	(DS4)	o 5LU
(DS13)	o 5BU	(DS5)	o 6LD
(DS14)	o 5BD	(DS6)	o 6LU
(DS15)	o 4BU	(DS7)	o 7LD
(DS16)	o 4BD	(DS8)	o 7LU

10X2

(DS9)	o 4th BUR / ALSD	(DS1)	o 1st LDR
(DS10)	o 4th BDR	(DS2)	o 1st LUR
(DS11)	o 3rd BUR	(DS3)	o 2nd LDR
(DS12)	o 3rd BDR	(DS4)	o 2nd LUR
(DS13)	o 2nd BUR	(DS5)	o 3rd LDR
(DS14)	o 2nd BDR	(DS6)	o 3rd LUR
(DS15)	o 1st BUR	(DS7)	o 4th LDR
(DS16)	o 1st BDR	(DS8)	o 4th LUR

BU = BUTTON UP
BD = BUTTON DOWN
LU = LANTERN UP
LD = LANTERN DOWN
FFS = FLASHING FIRE SIGN
KLDOB = LOBBY DOOR OPEN BUTTON
ALDOB = ALTERNATE LOBBY DOOR OPEN BUTTON
R = REAR
ALSD = ALTERNATE LOBBY SMOKE DETECTOR
NOTE: SOME LED's MAY HAVE FIFFERENT USES OR SPECIAL APPLICATIONS.

Figure 3-4. 10X Board LED's

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3.3 INDEX OF HHT ITEMS

The following alphabetical listing is included as an aid in locating detailed information concerning status modes, features, and abbreviations.

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