

REV NO.

P3K-AL-0626-A01

CONT ON SHEET 2

SH NO. 1

TITLE  
TEST INSTRUCTIONS FOR THE MONITOR  
PANEL LED CIRCUIT

FIRST MADE FOR EHC MARK II

REVISIONS

## I. SCOPE

This instruction outlines the test specifications for the Monitor Panel LED circuit board 145D4702. (Schematic number 145D4739, Ident. number 1TM2-E201).

## II. CIRCUIT DESCRIPTION

The Monitor Panel LED circuit is a new modification to the Mark II system. This LED circuit will be used to monitor the performance of the Backup Overspeed trip relays both on the 125V trip bus and on the 24V trip bus. Aesthetically, the LED's on the board have been aligned in such a way to form two 2 out of 3 contact arrangements. One being a normally open set and the other a normally closed set. The normally open set DS1 → DS18 corresponds to relay K32\*2, K33\*2 and K34\*2 on 1TM2-A004. The normally closed set DS19 → DS42 corresponds to relays K29\*2, K30\*2 and K31\*2 on 1TM2-A004. See Figures 1 & 2.

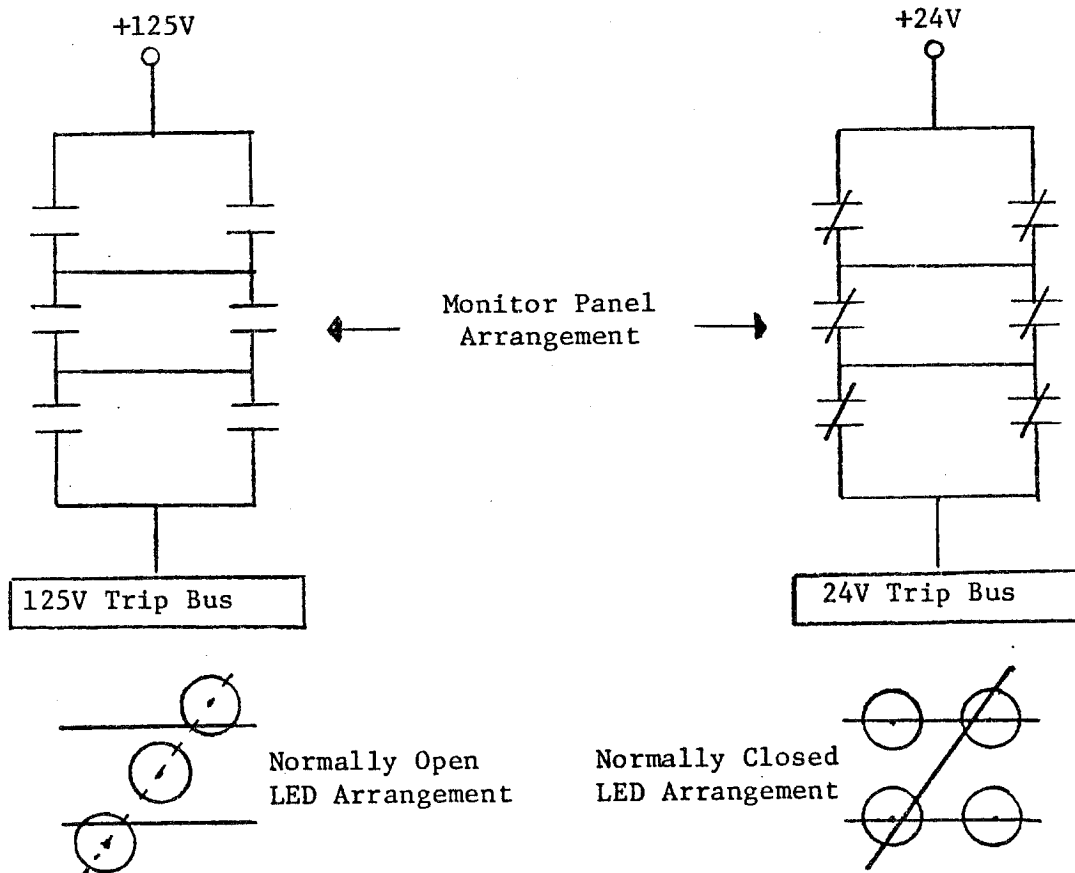


FIG. 1

FIG. 2

273-2

273-12

273-71

273-13

273-22

273-22

PRINTS TO

MADE BY J. Polacek May 21, 1979

ISSUED MAY 22 1979

APPROVALS

Steam Turbine

Schenectady, N.Y.

DIV OR DEPT.

LOCATION

P3K-AL-0626-A01

CONT ON SHEET 2

SH NO. 1

REV  
NO. 0

TITLE  
TEST INSTRUCTIONS FOR THE MONITOR  
PANEL LED CIRCUIT

CONT ON SHEET 3

SH NO. 2

P3K-AL-0626-A01

CONT ON SHEET 3

SH NO. 2

FIRST MADE FOR EHC MARK II

### III. CIRCUIT SPECIFICATION & TEST

- Connect +24 VDC to terminal 05.
- Connect 24V common to terminal 01.  
Note that DS1 → DS6 lite.
- Remove common from terminal 01 and apply to terminal 02.  
Note that DS7 → DS12 lite.
- Remove common from terminal 02 and apply to terminal 03.  
Note that DS13 → DS18 lite.
- Remove common from terminal 03 and apply to terminal 07.  
Note that DS19 → DS26 lite.
- Remove common from terminal 07 and apply to terminal 09.  
Note that DS27 → DS34 lite.
- Remove common from terminal 09 and apply to terminal 08.  
Note that DS35 → DS42 lite.
- Test completed.

REVISIONS

PRINTS TO

MADE BY  
J. Polacek May 21, 1979

APPROVALS

Steam Turbine

DIV OR  
DEPT.

P3K-AL-0626-A01

ISSUED  
MAY 22 1979

Schenectady, N.Y.

LOCATION

CONT ON SHEET 3

SH NO. 2

REV NO. 0

TITLE

CONT ON SHEET --

SH NO. 3

P3K-AL-0626-A01

TEST INSTRUCTIONS FOR THE MONITOR  
PANEL LED CIRCUIT

CONT ON SHEET --

SH NO. 3

FIRST MADE FOR EHC MARK II

REVISIONS

PREPARED BY:

*R.J. Wood*

DATE:

*5/18/79*

R.J. Wood  
EHC DESIGN ENGINEERING  
Building 285 Room 231

APPROVED BY:

*R.L. Olson*

DATE:

*5/18/79*

R.L. Olson, Manager  
EHC DESIGN ENGINEERING  
Building 285 Room 231

PRINTS TO

MADE BY  
J. Polacek May 21, 1979

APPROVALS

Steam Turbine

DIV OR  
DEPT.

P3K-AL-0626-A01

ISSUED

MAY 22 1979

Schenectady, N.Y.

LOCATION

CONT ON SHEET --

SH NO. 3