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B 1006387

REVISIONS						
SYM	ZONE	DESCRIPTION	DR	CHK	DATE	APPROVED
		INITIAL RELEASE CLASS A PER TDRR 24277			12-14-65	
A		REVISED PER TDRR 25935			4/19/66	WJK
B		REVISED PER TDRR 28430			5/10/66	WJK

REQUIREMENTS: (CONTINUED)

3. DESIGN:

- A. OPERATING LIFE: 4000 HOURS MINIMUM AT POWER DISSIPATION PER NOTE 2.B.(1) AT 70° ± 10°F AMBIENT TEMPERATURE.
- B. MATERIAL: ALL MATERIAL SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF THIS DRAWING AND EXHIBIT NO TOXICITY.
  - (1) PLASTIC FACE PLATE: ACRYLIC SHEET PLASTIC PER MIL-P-5425, FINISH A.
  - (2) CASE: ALUMINUM ALLOY.
- C. FINISHES:
  - (1) ALUMINUM CASE: CHROMATE TREAT PER MIL-C-5541.
  - (2) PAINT SURFACES MARKED "A" AND TOP BORDER AREA GREY EPOXY ENAMEL PER ND1002279 USING 1008809-1
  - (3) FINAL COAT SURFACES MARKED "A" PER ND1002277 USING 1012543-003

- D. TERMINALS AND INSULATORS: SHALL MEET THE REQUIREMENTS OF ND 1002136.
  - E. PANEL COLORS: [REF NOTE 2.A.(4)] YELLOW COLOR TO BE AVIATION YELLOW AND WHITE COLOR TO BE AVIATION WHITE PER MIL-C-25050. COLOR COORDINATES SHALL REMAIN WITHIN THE LIMITS OF THE SPECIFIED AVIATION COLORS WHEN ENERGIZED FROM 5.0 THRU 3.0 VDC. THE X - COORDINATE FOR THE AVIATION WHITE DISPLAYS SHALL NOT EXCEED X = .560 WHEN ENERGIZED FROM 5.0 THRU 2.0 VDC.
  - F. LAMPS: EACH OF THE 10 LEGEND AREAS SHALL BE ILLUMINATED BY 3 LAMPS, PARALLEL WIRED AS SHOWN IN THE SCHEMATIC. YELLOW DISPLAY LAMPS TO BE MS 24367-680. WHITE DISPLAY LAMPS TO BE MS 24367-713.
  - G. WHEN MOUNTED ON A SUITABLE FIXTURE, THE UNIT SHALL BE CAPABLE OF WITHSTANDING A PRESSURE OF 15 PSIA OF HELIUM APPLIED AGAINST THE 32/ AREA, WHEN THE EXTERNAL PRESSURE IS REDUCED TO 1" HG EQUIVALENT PRESSURE; WHEN SUBJECTED TO THIS DIFFERENTIAL PRESSURE, THE UNIT SHALL EXHIBIT A LEAK RATE OF NO MORE THAN 1 X 10<sup>-5</sup> ATM CC/SEC OVER THE TEMPERATURE RANGE OF -10°C TO +82°C.
4. NOTE: THIS UNIT IS TO BE MOUNTED ON A HEAT-SINK WHEN LEGENDS ARE ENERGIZED FOR PERIODS LONGER THAN TWO (2) MINUTES. A SATISFACTORY HEAT SINK CAN BE AN ALUMINUM OR BRASS PLATE 10" X 10" X 1/8" WITH A CENTERED RECTANGULAR OPENING FOR MOUNTING THE UNIT.

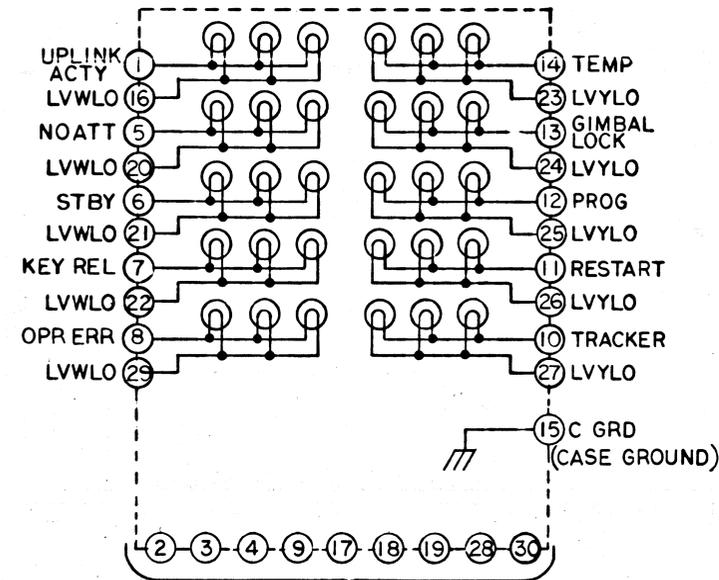


FIGURE 1 - SCHEMATIC

QTY REQD	PART OR IDENTIFYING NO.	MATERIAL OR NOTES	NOMENCLATURE OR DESCRIPTION	FIND NO.
LIST OF MATERIALS				
MIT INSTRUMENTATION LAB CAMBRIDGE, MASS.		MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
DRAWN <i>H. Wong</i> 8/17/65		INDICATOR, ALARM		
CHECKED <i>P. J. ...</i> 8/22/65		SPECIFICATION CONTROL DRAWING		
APPROVED <i>Ellen ...</i> 11/14/65		DRAWING NO. 1006387		
APPROVED MIT <i>W. ...</i> 1/14/66		CODE IDENT NO. 80230	SIZE C	DRAWING NO. 1006387
APPROVED MSC <i>A. C. METZGER</i>		DATE	SCALE NONE	SHEET 2 OF 3

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
CAPACITOR VALUES ARE IN $\mu$ f
RESISTOR VALUES ARE IN OHMS
TOLERANCES ON FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL
SEE NOTE
NEXT ASSY USED ON APPLICATION

