

DATE 19 August 1964

SHEET 1 OF 3

TMC SPECIFICATION NO. S -847

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FRD
COMPILED

JC
CHECKED

TITLE:

APPROVED

RAT

INDICATOR LIGHTS,
COLOR AND USAGE OF

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SHEET 2 OF 3

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NOTE: THIS SPECIFICATION IS MANDATORY ON ALL NEW EQUIPMENT DESIGNED BY TMC AFTER 1 SEPTEMBER 1964.

I. INDICATOR FUNCTION

- A. RED---Warning Light. Indicates the existence of a hazardous condition. Warning lights should be automatically reset to operating voltage in the event of a power failure. A warning light may be flashed at the rate of two(2) to five(5) flashes per second to indicate catastrophic personnel or equipment conditions. The flasher device shall be designed such that if the device fails the indicator light will remain lit.
- B. YELLOW---Caution Light. Indicates impending dangerous condition requiring attention but not necessarily immediate action. Caution lights should be automatically reset to operating voltage in the event of a power failure.
- C. AMBER---Advisory Light. Indicates that a condition exists which is marginal in so far as system effectiveness is concerned.
- D. GREEN---Advisory Light. Indicates that a unit or component is within tolerance or that it is appropriate to proceed to another operation.
- E. WHITE or BLUE---Advisory Light. Indicates action in progress without implication of a right or a wrong situation. It shall imply no meaning other than that derived from its legend or label. The use of white or blue advisory lights shall be avoided wherever dark adaptation must be maintained.

II. TYPICAL LEGENDS

- A. FLASHING RED---Fire, Oven Overheat, Over Voltage.
- B. RED---High Voltage, Oven Cutout, Failure, Error.
- C. YELLOW---Power Off, Door Open, Rectifier Failure, Surface Overheat, Vent Closed.
- D. AMBER---Low Battery Level, Low Oven Temperature.
- E. GREEN---Oven Temperature, B+, Filament Voltage.
- F. WHITE or BLUE---Power, AC, DC, External Power.

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III. ASSOCIATION WITH CONTROLS.

When an indicator is associated with a control, the indicator light shall be so located as to be immediately and unambiguously associated with that control. In most instances, the indicator light should be so located directly above the control.

IV. SPACING.

The spacing between adjacent edges of simple, round indicator lights shall not be less than 3/4 inch.

V. BRIGHTNESS.

The brightness levels of warning and caution indicators shall be from three(3) to five(5) times the brightness of other indicators on the same panel.

VI. TESTS.

Although not mandatory, it would be advantageous to be able to test individually, or at all once, all warning and caution lights.

VII. REFERENCES.

- MIL-STD-411A Aircrew Station Signals
- MIL-STD-803A-1 Human Engineering Design Criteria for Aerospace Systems and Equipment.

