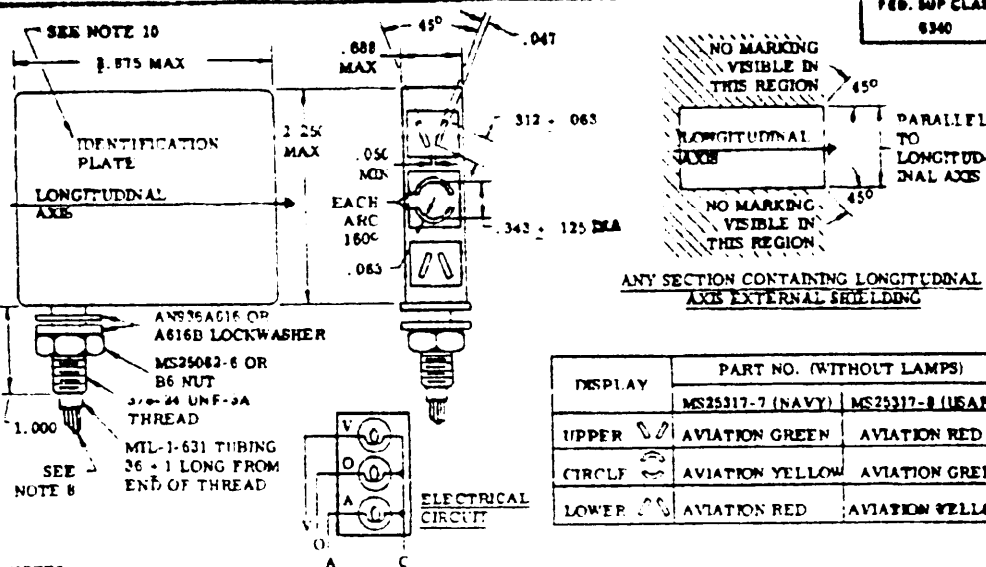


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NOTES

1. DIMENSIONS IN INCHES. TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS - .005, ANGLES - 10°.
2. THE INDEXER NEED NOT HAVE THE SHAPE SHOWN, BUT THE INDEXER, INCLUDING ANY LIGHT-SHIELDING HOOD, SHALL BE CONTAINED WITHIN THE OUTLINE SHOWN, AND THE RADIUS OF THE CORNERS OF THE INDEXER AS VIEWED FROM THE SIDE SHALL BE AT LEAST 0.250 INCH. EXCEPT FOR ANY LIGHT SHIELDING HOOD INSTALLED ON THE INDEXER, THE INDEXER SHALL BE DESIGNED SO THAT IT CANNOT BE OPENED OR DISASSEMBLED IN ANY WAY, NOR ANY LAMP REMOVED OR REPLACED, WITHOUT THE USE OF TOOLS.
3. EACH INDEXER SHALL BE MOUNTABLE ON A PANEL OF ANY THICKNESS BETWEEN 0.020 AND 0.250 INCH INCLUSIVE.
4. EACH ILLUMINATED MARKING (UPPER "V", LOWER "V", OR CIRCLE) SHALL BE INTERNALLY SHIELDED SO THAT THE LAMP FOR THAT MARKING WILL NOT ILLUMINATE ANY OTHER MARKING. THE INDEXER SHALL INCLUDE EXTERNAL SHIELDING SO THAT NONE OF THE ILLUMINATED MARKING IS VISIBLE MORE THAN 45° FROM THE LINES PARALLEL TO THE LONGITUDINAL AXIS OF THE INDEXER AND PASSING THROUGH THE EDGES OF THE FRONT SURFACE OF THE INDEXER IN ANY PLANE CONTAINING THE LONGITUDINAL AXIS OF THE INDEXER, AS ILLUSTRATED IN THE FIGURE.
5. THE WEIGHT OF EACH INDEXER, INCLUDING ITS MOUNTING HARDWARE BUT NOT INCLUDING ANY LAMP, SHALL NOT EXCEED 0.3 POUND.
6. THE COLOR OF THE CASE SHALL BE LUSTERLESS BLACK CONFORMING TO FED-STD-595, COLOR NUMBER 3703c, AND THE AVIATION COLORS OF THE DISPLAY SHALL CONFORM TO MIL-C-28800. EACH INDEXER SHALL MEET APPLICABLE REQUIREMENTS HEREON WITH THREE MS25317-2T OR .75 LAMPS INSTALLED. ONE LAMP SHALL BE EMPLOYED FOR EACH "V" AND ONE LAMP FOR THE CENTER CIRCLE. THE ELECTRICAL CIRCUIT OF THE INDEXER SHALL NOT BE CONNECTED TO THE CASE OF THE INDEXER.
7. THE BRIGHTNESS OF THE ILLUMINATED DISPLAYS SHALL BE 300 ± 15% FOOT-LAMBERTS.
8. WIRES 48 - 1 INCHES LONG SHALL CONFORM TO THE REQUIREMENTS OF MIL-W-5086, PART NO. MS086 1-20-9. THE WIRES SHALL BE MARKED "V" FOR UPPER "V" LAMP, "O" FOR CENTER CIRCLE LAMP, "A" FOR LOWER "V" LAMP, AND "C" FOR THE COMMON WIRE, AT INTERVALS OF NOT MORE THAN ONE INCH ALONG THE ENTIRE LENGTH OF EACH WIRE. 4 WIRES REQUIRED.
9. PROVISIONS SHALL BE MADE FOR INTERCHANGING THE UPPER AND LOWER "V"s SO THAT THE GREEN "V" SHALL BE THE UPPER MARKING FOR MS25317-7 AND THE RED "V" SHALL BE THE UPPER MARKING FOR MS25317-8 WHETHER THE INDEXER IS INSTALLED IN THE NORMAL OR INVERTED POSITION. INSTRUCTIONS FOR INTERCHANGING "V"s SHALL BE PACKAGED WITH THE INDEXER.
10. IDENTIFICATION PLATE SHALL CONTAIN THE FOLLOWING: (1) NAME OF UNIT, (2) MS PART NO., (3) MANUFACTURERS PART NO., (4) MANUFACTURERS NAME AND ADDRESS, (5) WIRING SCHEMATIC.
11. PART NUMBERS OF INDEXERS WHICH INCLUDE LAMPS SHALL BE MARKED ON THEIR SHIPPING CONTAINERS ONLY, AND SHALL CONSIST OF THE PART NUMBER OF THE INDEXER FOLLOWED BY THE DASH NUMBER OF THE LAMP. EXAMPLE: MS25317-7-328.
12. PART NUMBERS MS25317-1, -2, -3, AND -6 CANCELLED. FOR THE NEW DESIGN AND REPLACEMENTS USE MS25317-7 FOR NAVY AND MS25317-8 FOR AIR FORCE.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

This military standard is mandatory for use by all Departments
Approved by the Department of Defense Selection for all new
engineering and design applications and for retaining use shall
be made from this document.

APPROVED 23 MAY 1952 REVISED (7) 5 FEB 71

P.A. NAVY - AB Other Code USAF - 82	TITLE INDEXER, APPROACH	MILITARY STANDARD MS 25317
PROCUREMENT SPECIFICATION MIL - L - 6723	SUPERSEDES MS 25317 (AS)	SHEET 1 OF 1