



DIMENSIONS IN INCHES. TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS $\pm .005$, FRACTIONS $\pm \frac{1}{64}$, ANGLES $\pm 10^\circ$.

THE INDEXER NEED NOT HAVE THE SHAPE SHOWN, BUT THE INDEXER, INCLUDING ANY LIGHT-SHIELDING HOOD, SHALL BE CONTAINED WITHIN THE OUTLINE SHOWN, & THE RADIUS OF THE CORNERS OF THE INDEXER AS VIEWED FROM THE SIDE SHALL BE AT LEAST .060 IN., EXCEPT FOR ANY LIGHT-SHIELDING HOOD ON THE INDEXER.

EACH INDEXER SHALL MEET APPLICABLE REQUIREMENTS HEREON WITH THREE MS25237-327 LAMPS INSTALLED IN IT, BUT SHALL NOT INCLUDE ANY LAMP UNLESS SO INDICATED BY ITS PART NO. ONE LAMP SHALL BE EMPLOYED FOR EACH "U" AND ONE LAMP FOR THE CENTER CIRCLE. THE ELECTRICAL CIRCUIT OF THE INDEXER SHALL NOT BE CONNECTED TO THE CASE OF THE INDEXER.

EACH ILLUMINATED MARKING (UPPER "V", LOWER "V", OR CIRCLE) SHALL BE INTERNALLY SHIELDED SO THAT THE LAMP FOR THE MARKING WILL NOT ILLUMINATE ANY OTHER MARKING.

THE LIGHT EMITTED BY EACH ILLUMINATED MARKING SHALL CONFORM TO FED-STD-3. THE UPPER "V" SHALL BE AVIATION RED, THE CIRCLE SHALL BE AVIATION GREEN, AND THE LOWER "V" SHALL BE AVIATION YELLOW. THE BRIGHTNESS OF THE ILLUMINATED MARKINGS SHALL BE 300 ± 150 FOOT LAMBERTS.

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 THRU THE EDGES OF THE FRONT SURFACE OF THE INDEXER IN ANY PLANE CONTAINING THE LONGITUDINAL AXIS OF THE INDEXER, AS ILLUSTRATED BY THE FIGURE.

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.

EACH INDEXER SHALL BE MOUNTABLE ON A PANEL OF ANY THICKNESS BETWEEN .020 AND .040 IN. INCLUSIVE.

THE LEAD WIRES SHALL CONFORM TO MS25190B20. 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.

THE WEIGHT OF EACH INDEXER, INCLUDING ITS MOUNTING HARDWARE BUT NOT INCLUDING ANY LAMP, SHALL NOT EXCEED .2 POUNDS.

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 WITHOUT ANY LAMP PLUS ANOTHER SUFFIX WHICH SHALL BE THE SUFFIX OF THE PART NO. OF THE LAMP.

THE COLOR OF THE CASE SHALL BE DULL BLACK CONFORMING TO FED-STD-595 COLOR NO. 37038

THIS STANDARD TAKES PRECEDENCE OVER ANY OTHER DOCUMENT WHICH IT CITES.

(B) CANCELLED AS OF 15 August 1984 .

This standard has been approved by the Department of the Air Force and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 16 MAY 1968 REVISED (A) 28 OCT 1969 (B) 15 Aug 84

P.A. Air Force - 11	TITLE	MILITARY STANDARD
Other Cost	INDEXER, ANGLE OF ATTACK	MS27582 (USAF)
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET 1 OF 1
None		