

INCH POUND

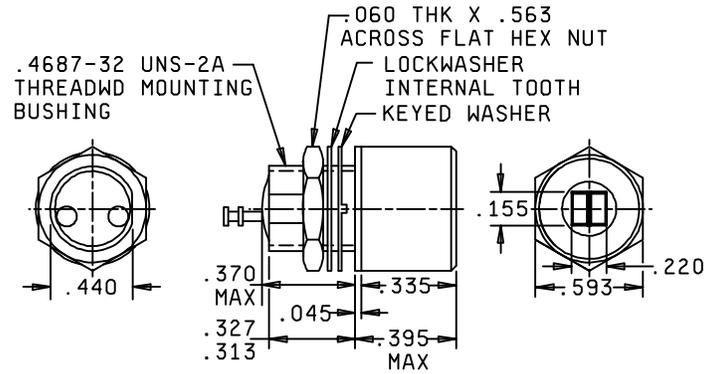
MIL-PRF-83287/4B  
30 AUGUST 1999  
SUPERSEDING  
MIL-I-83287/4A  
22 July 1988

PERFORMANCE SPECIFICATION SHEET

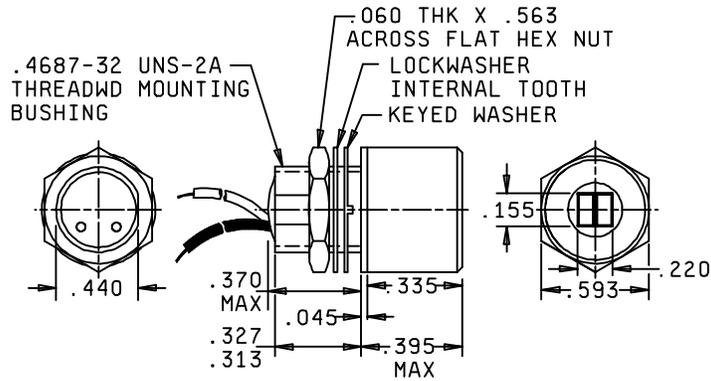
INDICATORS, FAULT LOCATING, DUAL DRUM INDICATING,  
MECHANICAL RESET

This specification is approved for use by all Departments  
and Agencies of the Department of Defense.

The requirements for acquiring the indicators described herein shall consist  
of this specification sheet and the latest issue of MIL-PRF-83287.



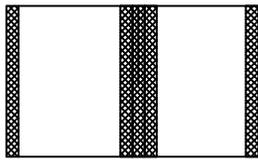
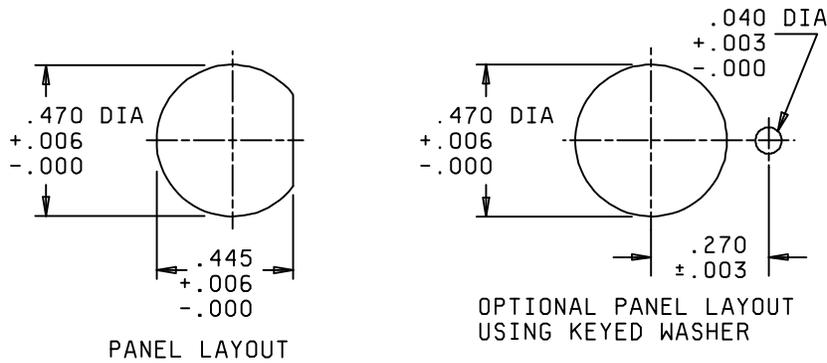
SOLDER LEADS



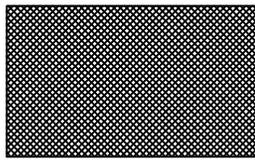
WIRE LEADS

FIGURE 1. Dimensions and configurations.

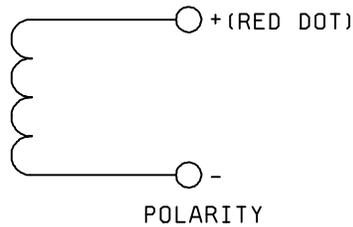
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"FAULT INDICATION:  
BLACK AND WHITE



"NO FAULT" INDICATION:  
BLACK



Inches	mm
.003	0.08
.006	0.15
.040	1.02
.044	1.12
.045	1.14
.060	1.52
.120	3.05
.155	3.94
.200	5.08
.220	5.59
.240	6.10
.313	7.95
.327	8.31
.335	8.51
.370	9.40
.395	10.03
.445	11.30
.4687	11.904
.470	11.94
.563	14.30
.593	15.06

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is  $\pm 0.005$  (0.13 mm).
4. The mounting nut shall be black.
5. The shape and location of the solder terminal shown is not intended to limit specific manufacturing processes. When the shape of terminal in the schematic is used, the hole diameter shall be as shown.
6. Metric equivalents are in parentheses.
7. No fault indication color may be lusterless gray no. 36081 per FED-STD-595.
8. Mounting torque of 5 to 7 in lbs may be used.

FIGURE 1. Dimensions and configurations - Continued.

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REQUIREMENTS:

Dimensions and characteristics: See figure 1 and tables I.

Weight (including hardware): 6.5 grams, maximum.

Pulse power: 50 milliwatts, minimum.

Transfer pulse length: A pulse length of 25 milliseconds or greater shall cause a fault indication. A pulse length of 2 millisecond or less shall not cause a fault indication.

Terminal strength:

Rigid type solder terminals: Test condition A (3 pounds, minimum).  
Test condition E (8 ounce-inches, minimum.)

Wire type solder terminals: Test condition A (3 pounds, minimum).  
Test condition C (1 pound, minimum).

Marking of terminals: The positive terminal shall be identified by a red dot.

Vibration: Test condition B of MIL-STD-202 (method 204).

Extent of qualification: Qualification testing and approval of M83287/04-01 and M83287/04-24 shall be sufficient to grant qualification approval for all indicators covered by this specification sheet.

Part number: M83287/04- (dash number from table I).

Random vibration: Not applicable.

TABLE I. Electrical characteristics.

Military part numbers M83287/04-	Voltage (volts, dc)			DC Coil resistance at						Termination type	Anti-reflection coating
	Rated	Operating		-55°C		+125°C		Ambient			
		Min 1/	Max	Min	Max	Min	Max	Min	Max		
01	1.5	1.2	1.8	26	33	55	70	40	50	Wire leads	No coating
02										With coating	
03										Solder terminals	No coating
04										With coating	
05	3.0	2.4	3.6	106	129	224	274	162	198	Wire leads	No coating
06										With coating	
07										Solder terminals	No coating
08										With coating	
09	6.0	4.8	7.2	423	518	897	1097	648	792	Wire leads	No coating
10										With coating	
11										Solder terminals	No coating
12										With coating	
13	12.0	9.6	14.4	1694	2070	3590	4388	2592	3168	Wire leads	No coating
14										With coating	
15										Solder terminals	No coating
16										With coating	
17	24.0	19.2	28.8	6763	8267	14335	17520	10350	12650	Wire leads	No coating
18										With coating	
19										Solder terminals	No coating
20										With coating	
21	28.0	22.4	30.0	9233	11286	19570	23919	14130	17270	Wire leads	No coating
22										With coating	
23										Solder terminals	No coating
24										With coating	

1/ Refers to the minimum operating voltage which the indicator will operate.

#### CONCLUDING MATERIAL

Custodians:  
Navy - AS  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC  
  
(Project 6625-0898)