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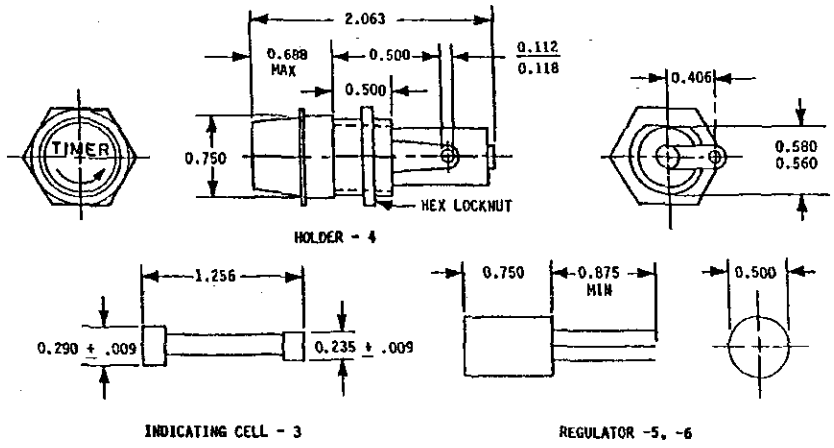

TABLE I		
MS PART NO.	TYPE	RANGE
-1	INDICATOR ASSEMBLY 115V AC(-3-4-5)	1000 hr.
-2	INDICATOR ASSEMBLY 28V AC(-3-4-6)	1000 hr.
-3	INDICATING CELL ONLY	1000 hr.
-4	HOLDER ONLY	---
-5	115V AC REGULATOR ONLY	1000 hr.
-6	28V AC REGULATOR ONLY	1000 hr.

DIMENSIONS: ALL DIMENSIONS ARE IN INCHES. TOLERANCES, UNLESS OTHERWISE SPECIFIED, ARE ± .015.

POWER CONSUMPTION: POWER CONSUMPTION RATED VOLTAGE PER TABLE 1, SHALL NOT EXCEED 0.1 WATTS.

LIFE ACCURACY: ACCURACY SHALL BE ± 5% FROM -20°C TO 85°C OVER THE FOLLOWING CONDITIONS:

MS90373-1: 115 VOLTS ± 13 VOLTS AC (50-2400 Hz)
MS90373-2: 23-29 VOLTS (DC)

WEIGHT - THE COMPLETE ASSEMBLY (MS90373-1 OR -2) SHALL NOT EXCEED 1 OUNCE.

TIME RANGE - TOTAL READOUT SHALL BE 1,000 HOUR FOR EACH INDICATOR.

SCALE LENGTH - SCALE LENGTH SHALL BE 0.7 ± .009 INCHES.

COLOR - REGULATOR AND HOLDER SHALL BE BLACK WITH THE WORD "TIMER" PRINTED WHITE ON THE HOLDER FACE.

OPERATING TEMPERATURE RANGE: -20°C TO 85°C (SEE NOTE 4).

STORAGE TEMPERATURE RANGE: -80°C TO 85°C.

PART NUMBERS:

PART NUMBER MS90373-1 CONSISTS OF AN INDICATOR CELL (MS90373-3), AN INDICATOR HOLDER (MS90373-4), AND A 115 VOLT AC REGULATOR (MS90373-5).

PART NUMBER MS90373-2 CONSISTS OF AN INDICATOR CELL (MS90373-3), AN INDICATOR HOLDER (MS90373-4), AND A 28 VOLT DC REGULATOR (MS90373-6).

Ⓐ REVISED AND REDRAWN

APPROVED 1 JUNE 1965 REVISED Ⓐ 7 OCT 1987

P.A. NAVY — AS Other Cust	TITLE INDICATOR, ELAPSED TIME, ELECTROCHEMICAL (COPPER) 115V 50/2400 Hz AC OR 28V DC	MILITARY STANDARD MS90373(AS)
PROCUREMENT SPECIFICATION MIL-I-81219 (AS)	SUPERSEDES:	SHEET 1 OF 2

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AMSC N/A

DD FORM 1 SEP 71 672/1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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THE FOLLOWING NAMEPLATE DATA SHALL APPEAR ON THE OUTER SURFACE OF THE HOLDER:

(OPTIONAL)	MANUFACTURER'S NAME OR SYMBOL	NOMINAL POWER (WATTS)
	MANUFACTURER'S MODEL NUMBER	MILITARY NUMBER
	NOMINAL VOLTAGE	POLARITY SYMBOL (+)
		CODED DATE

THE INDICATING CELL (MS90373-3) WILL BE MARKED WITH THE MILITARY PART NUMBER AND THE MANUFACTURER'S NAME ONLY.

THE INDICATOR HOLDER WILL BE MARKED WITH THE MILITARY PART NUMBER ON THE SURFACE OF THE FUSE BODY.

HOLDER - THE INDICATING CELL HOLDER SHALL BE POLARIZED TO ACCEPT ONLY THE SMALLER INDICATING CELL FERRULE. THE INDICATING CELL HOLDER CAP SHALL HOLD THE INDICATING CELL CAPTIVE WHEN THE CAP IS REMOVED. THE HOLDER SHALL NOT OBSCURE THE SCALE OF THE INDICATOR. THE INDICATOR SHALL BE REMOVED FROM THE CAP WITHOUT TOOLS.

NOTES:

1. THE LENGTH OF THE COPPER COLUMN RELATIVE TO THE GRADUATED TIME SCALE OF THE INDICATING CELL, INDICATES TOTAL ELAPSED TIME. (i.e., THE INDICATOR IS READ IN LIKE MANNER AS A THERMOMETER).
2. WHEN THE INDICATOR IS MOUNTED IN OTHER THAN HORIZONTAL POSITION, HOLDER CAP MUST BE IN THE UP POSITION.
3. REGULATOR (-5-6) MAY BE MOUNTED BY MEANS OF STANDARD CAPACITOR BRACKETS.
4. INDICATORS MAY BE INSTALLED IN EQUIPMENT WITH AN OPERATING TEMPERATURE RANGE OF -55°C TO 85°C WITH ACCURATE OPERATION FROM -20°C TO 85°C WHEN ENERGIZED.
5. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITIED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
6. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT INDEX OF SPECIFICATIONS AND STANDARDS (DoDISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

APPROVED 1 JUNE 1965 REVISED (A) FOR CHANGES SEE SHEETS 1 AND 2

P.A. NAVY — AS Other Cust	TITLE INDICATOR, ELAPSED TIME, ELECTROCHEMICAL (COPPER) H5V 50/2400 Hz AC OR 28V DC	MILITARY STANDARD MS90373(AS)
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET 2 OF 2

AMSC N/A

DD FORM 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSO