

DETAIL SPECIFICATION SHEET

SWITCH, ROTARY, ENCLOSED, SUBMERSIBLE (15 FEET), CONTACT MAKER,
SIX-POLE, TWO-POSITION, SPRING-RETURN, 125 VOLTS ALTERNATING CURRENT,
10 AMPERE, SYMBOL 2637.1

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

The requirements for acquiring the product described herein shall consist of this specification and the
latest issue of MIL-DTL-15743.

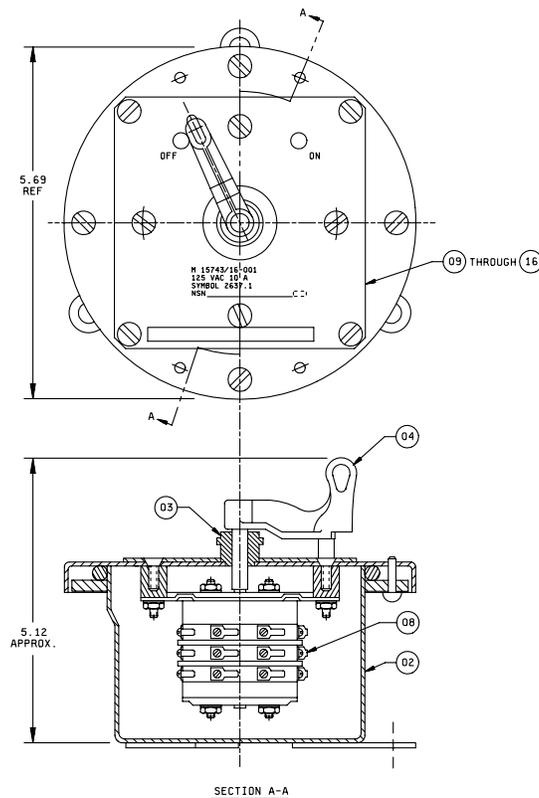


FIGURE 1. Switch, enclosed.

NOTES:

1. All dimensions in inches.
2. Unless otherwise specified herein, tolerances shall be as follows:
Two place decimals - plus or minus 0.02.
Three place decimals - plus or minus 0.005.
Angular dimensions - plus or minus 30 minutes.

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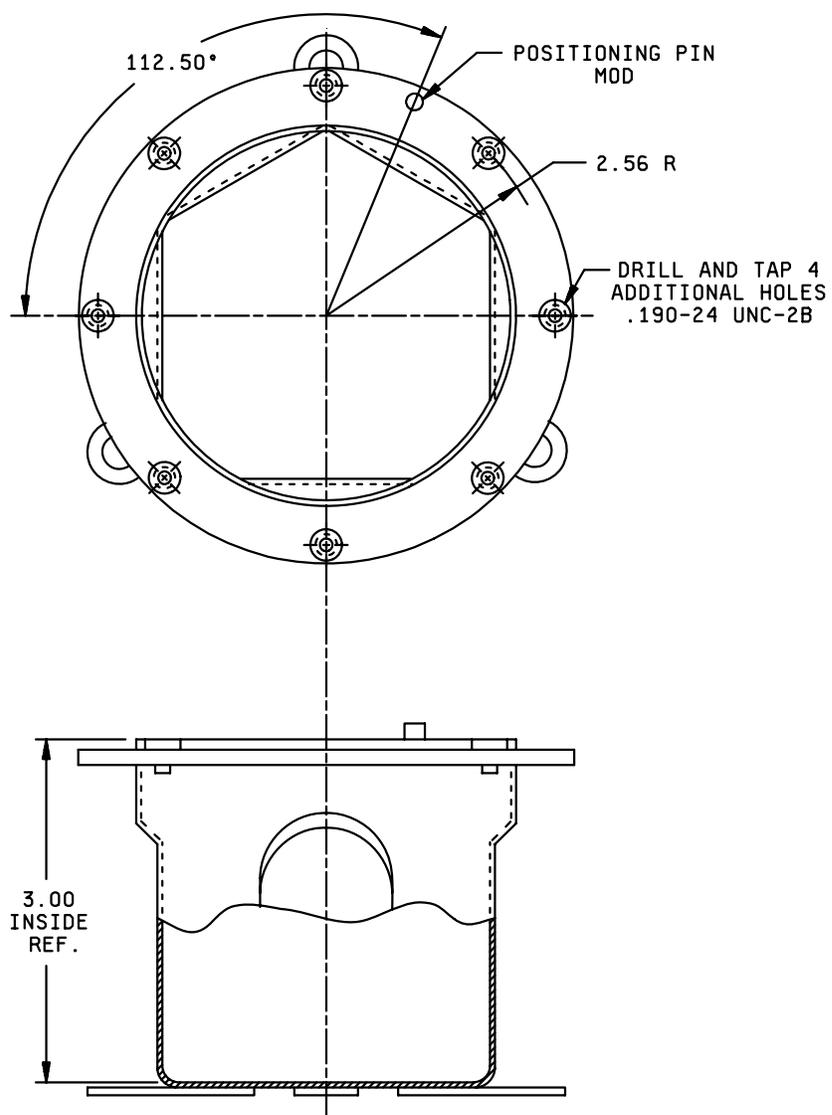


FIGURE 2. Box assembly, (modified).

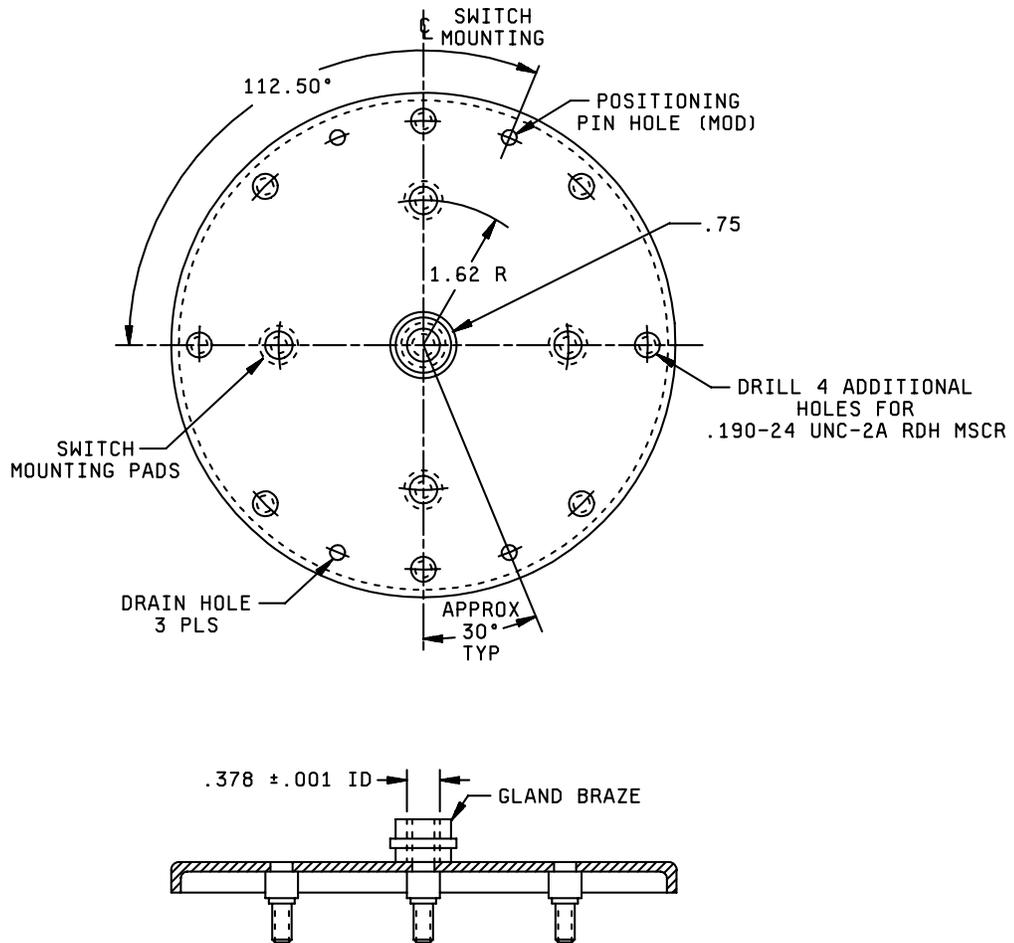
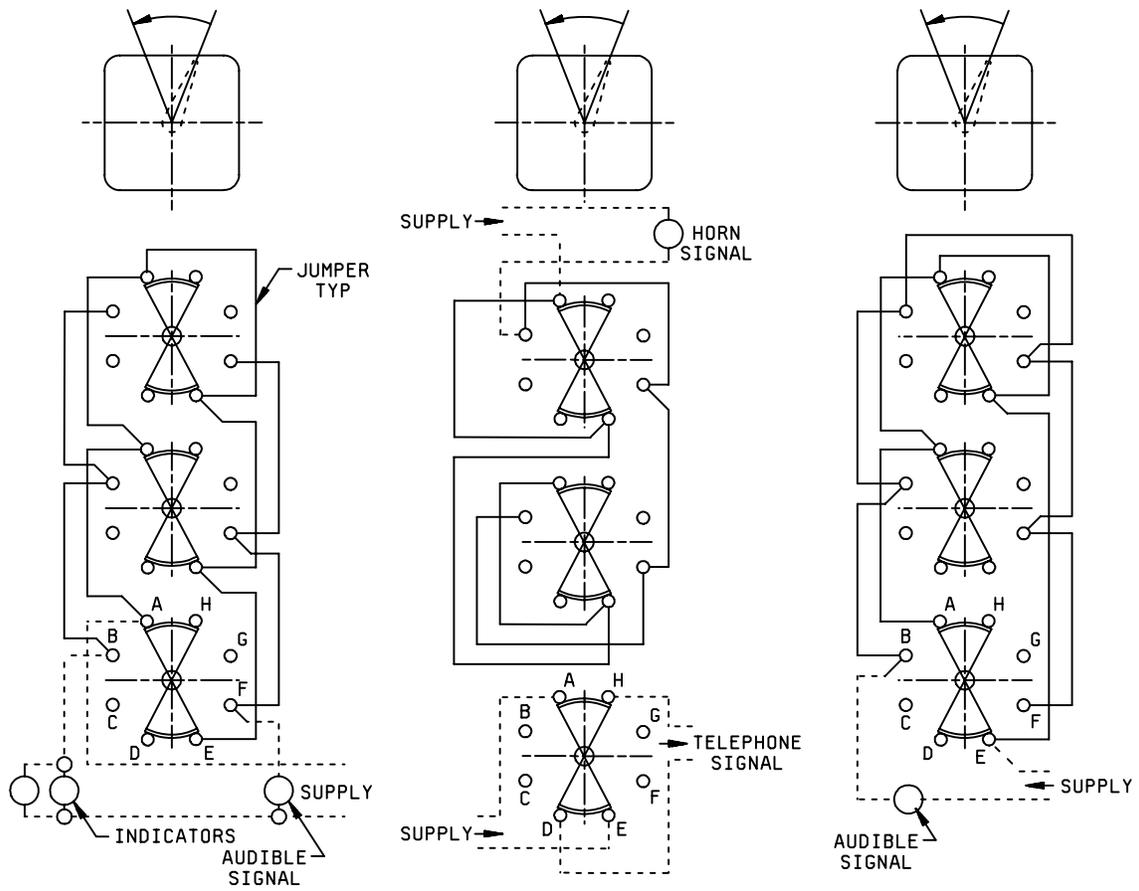


FIGURE 3. Cover assembly, (modified).



A. (See table I) ①05

B. (See table I) ①06

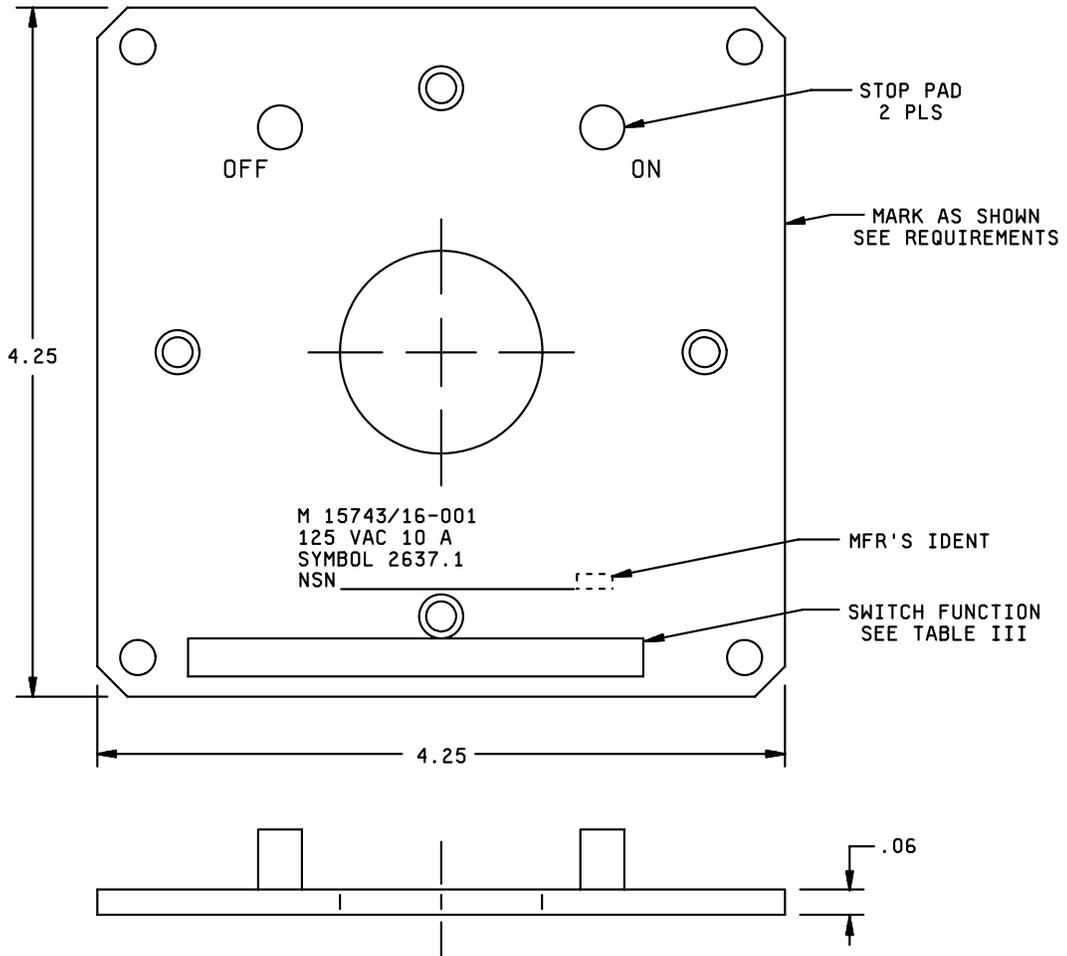
C. (See table I) ①07

NOTE: Wiring diagrams are rear view of switch; handle moves "RIGHT ON"
(as viewed from front of switch).

SH 131303

FIGURE 6. Wiring diagrams.

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SH 131304

FIGURE 7. Identification plate. (09) through (16)

REQUIREMENTS

SYMBOL NUMBER: See table I.

DESIGN:

Electrical rating: 125 V ac, 0-10 ampere, 60 Hz.

Dimensions and configuration: See figures 1 through 5.

Wiring diagram: See figure 6.

Mounting dimensions: See figure 5.

Degree of enclosure: Submersible (15 feet).

Weight: 4 pounds maximum.

Designation and marking: See figures 7.

Identification data shall be blank as shown on figure 7. Unless otherwise specified in the ordering data, switch action marking shall be as shown on figure 7. Switch function marking shall be as shown in table III.

Parts: The parts shown in table II and as specified in MIL-DTL-15743 shall be used in the construction of the switch specified herein.

GENERAL INFORMATION:

Military part number and general information are as shown in table I.

TABLE I. Military part number and general information.

Military part no.	Symbol no.	Supersedes ^{1/}		
		Type	Revision	Date
M15743/16-001	2637.1	S2JRM3-2	H	7/10/80

^{1/} From NAVSEA Drawing 803-74055.

ORDERING DATA:

Acquisition documents should specify the following:

Switch action marking, if required (see requirements).

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TABLE II. Parts list.

Item no. <u>1/</u>	Description	Quantity M15743/16-001	Material/ specification	Remarks
01	Switch, enclosed (sym 2637.1)	-	----	See figure 1
02	Enclosure	1	MIL-E-24142/5	M24142/5-002 Mod <u>2/</u>
03	O ring seal	1	SAE-AS28775-012	----
04	Handle	1	Copper alloy 854 or equivalent	See figure 4
05	Wiring diagram	<u>3/</u> 1	MIL-E-2036	See figure 6a
06	Wiring diagram	<u>3/</u> 1	MIL-E-2036	See figure 6b
07	Wiring diagram	<u>3/</u> 1	MIL-E-2036	See figure 6c
08	Switch (type JRM 300)	1	MIL-DTL-21604/7	----
09 thru 16	Identification plate	<u>3/</u> 1 ea.	ASTM-B36/B36M, ASTM-B121/B121M	See figure 7

1/ Numbers in circles shown on the figures are the same as the item numbers shown in this table.

2/ Modified enclosure to change location of positioning pin and hole (see figures 2 and 3).

3/ See table III for switch-function marking and parts selection.

TABLE III. Switch function and parts selection data.

Switch function <u>1/</u> (see figure 7)	Parts selection	
	Identification plate item no.	Wiring diagram item no.
Blank	09	None
Whistle switch	10	07
Cease firing	11	06
More feed	12	05
Feed started	13	05
Emergency feed started	14	05
Start emergency feed	15	05
Aircraft contact	16	<u>2/</u>

1/ Switch function shall be as specified in the ordering data. When not specified, or when enclosed switches are being ordered for stock in the supply system, the switch function shall be blank (item 09).

2/ Wiring diagram shall be as specified in the ordering data.

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Referenced documents, In addition to MIL-DTL-15743, this document references the following:

MIL-DTL-21604/7

MIL-E-2036

MIL-E-24142/5

ASTM-B36/B36M

ASTM-B121/B121M

NAVSEA DWG 803-74055

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodian:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2007-019)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil/>.