

# STANDARD DRAWING

TMC PART NUMBER	MANUFACTURERS PART NUMBER	CONTACTS NORMALLY	OPER. TEMP. SETTING		TEMP. DIFF.	
			°C	°F	°C	°F
SS 106-1	(B) 292 - ABC	Closed	+72 <sub>+4</sub>	+162 <sub>+7</sub>	3	5.4
	(A) VAL-90 NC-700C					

SS 106

REVISIONS						
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
A	ON SS-106-1, OPER. TEMP. SETTING WAS +70±2°C, +158±3°F	7-5-63	9465			
B	OPER. TEMP SETTING WAS +72±2° ± +162±3°	7-25-63	9674			
C	TEMP. SPECS. REVISED ON SS 106-1 IT. 9 IN SPECS. WAS 500,000	4-16-64	11232	WJB	@	
D	COMPLETELY REVISED	9/21/65	14864	J.V.V.		
E	MFG P/N COL. 292-ABC WAS 292-EBC., PICTORIAL CLARIFIED	10/5/67	18538	ENJ		

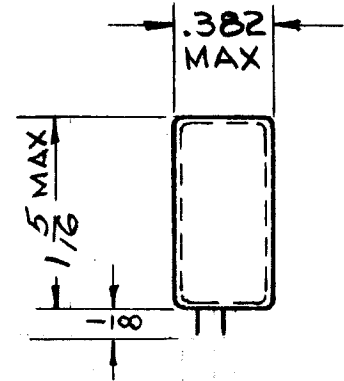
**SPECIFICATIONS**

1. CONTACT ARRANGEMENT: SPST
2. TEMPERATURE DATA:
  - A. ON TEMPERATURE INCREASE, CONTACTS WILL OPEN OR CLOSE (PER CHART).
  - B. OPERATING TEMPERATURE SETTING: SEE CHART
  - C. TEMPERATURE DIFFERENTIAL: SEE CHART
3. TEMPERATURE ELEMENT: BIMENTAL TYPE
4. ELECTRICAL RATINGS:
  - A. MAXIMUM CURRENT: 0.5 AMP AT 115VAC OR 28VDC (RESISTIVE LOAD)
  - B. MAXIMUM POWER: 40 WATTS
5. TERMINALS: TWO SIZE 22 TINNED COPPER WIRE LEADS WITH BLACK VINYL SLEEVING.
6. CASE: MUST BE INSULATED OR ISOLATED FROM CONTACTS
7. HERMETICALLY SEALED: YES
8. LIFE: MIN. 300,000 ONE MINUTE CYCLES WITH CONTACT PROTECTION.

**RECOMMENDED CONTACT PROTECTION:**

115VAC - A 10Ω RESISTOR AND A .002 MFD. CAPACITOR IN SERIES ACROSS THE CONTACTS.

230VAC - AN 18Ω RESISTOR AND A .0005 MFD CAPACITOR IN SERIES ACROSS THE CONTACTS.



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
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**LIST OF MATERIAL**

MATERIAL	<b>THE TECHNICAL MATERIEL CORP.</b> MAMARONECK, NEW YORK
FINISH	<b>SWITCH, THERMOSTATIC</b>

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN <i>GDL</i> DATE 3/29/63 CHECKED <i>HQA</i> DATE 4/1/63 ELECT. DES. <i>[Signature]</i> DATE MECH. DES. <i>[Signature]</i> DATE	FINAL APPROVAL <i>[Signature]</i> DATE SHEET <b>SS-106</b> REV. LTR. <b>E</b>
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	<b>TOLERANCES</b> FRACTIONS ± 1/64 ANGLES ± 0° 30'		

**NOTES**

AFC-2A	
Q'TY./UNIT	MODEL USED ON
SCALE	ASS'Y. NO.
NO SCALE	CODE <i>B-5401-392</i> <i>(A)-5401-208</i>
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