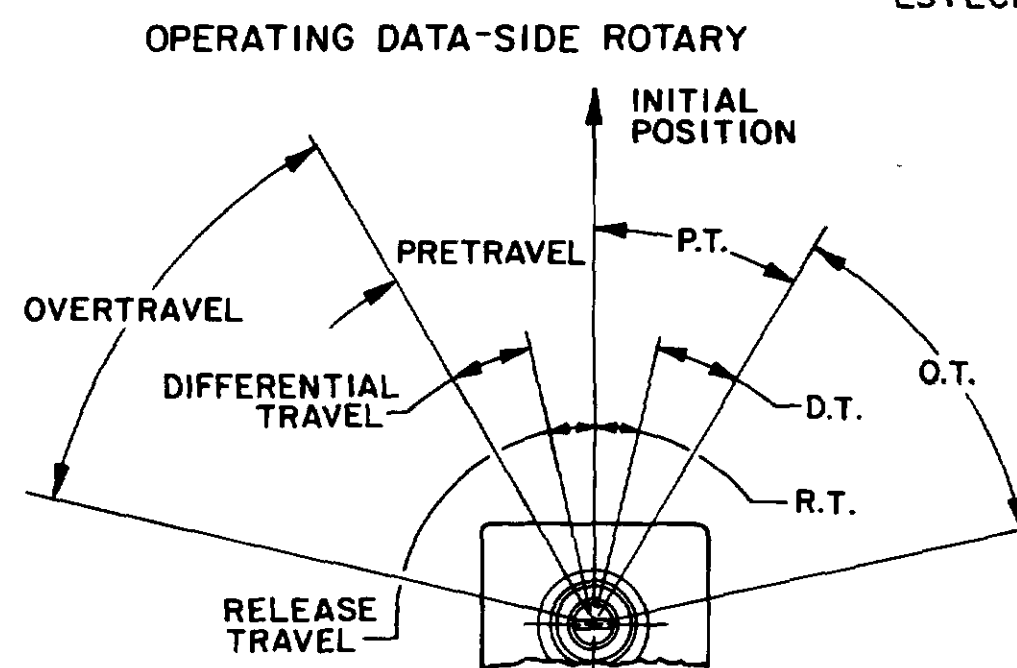
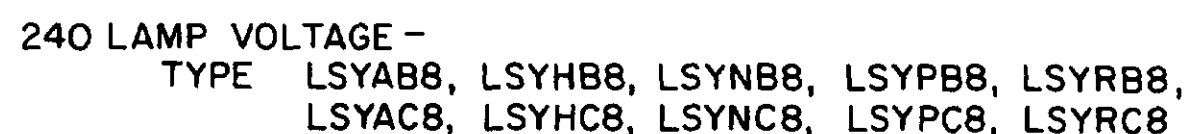
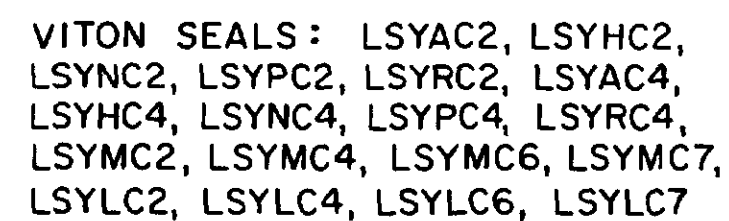


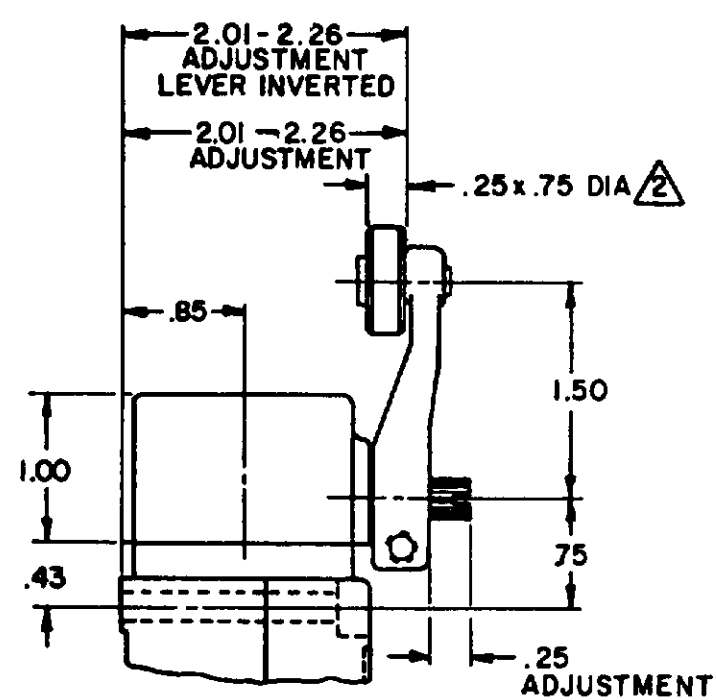
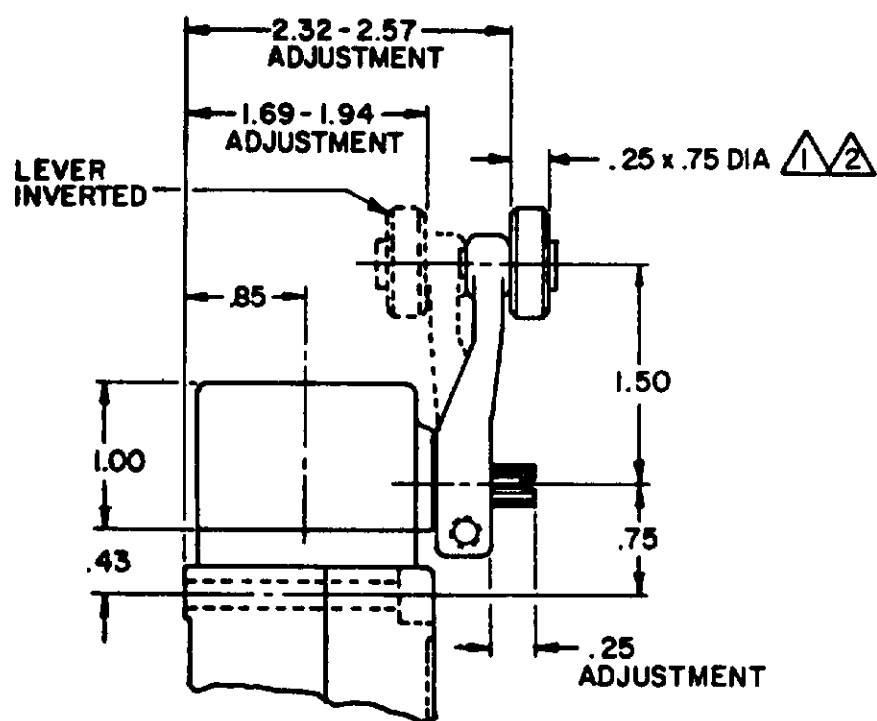
DOUBLE POLE



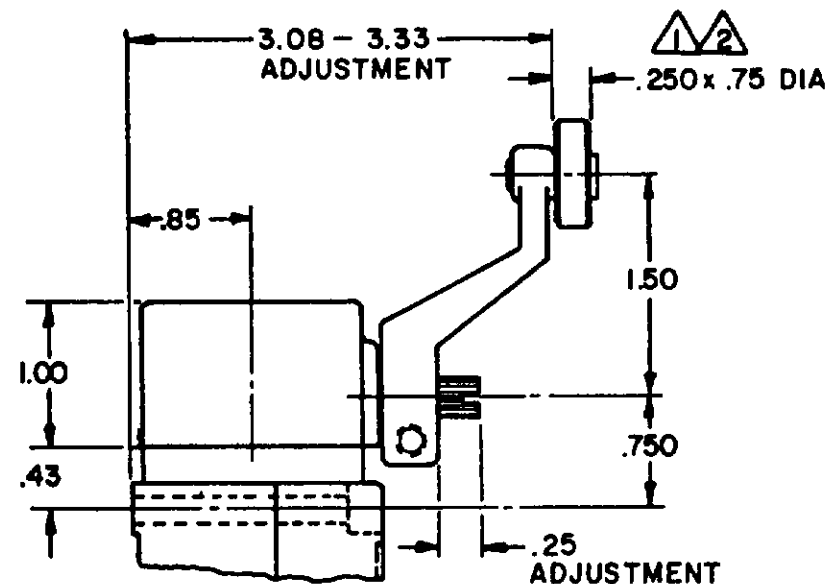
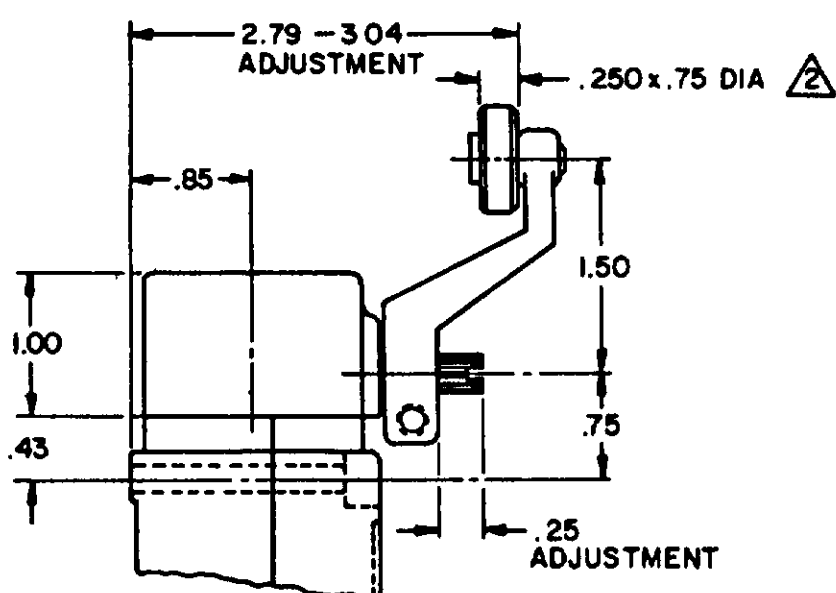
Technical drawing of a rectangular panel with the following dimensions and labels:

- Width: 1.156
- Height: 2.344
- Internal height: 2.250
- Labels:
 - SEAL GASKET (pointing to the top edge)
 - .500 DIA HOLE (.625 DIA MAX PANEL HOLE RECOMMENDED) (pointing to a hole on the left side)
 - NO CONDUIT HOLE (pointing to a hole on the bottom edge)

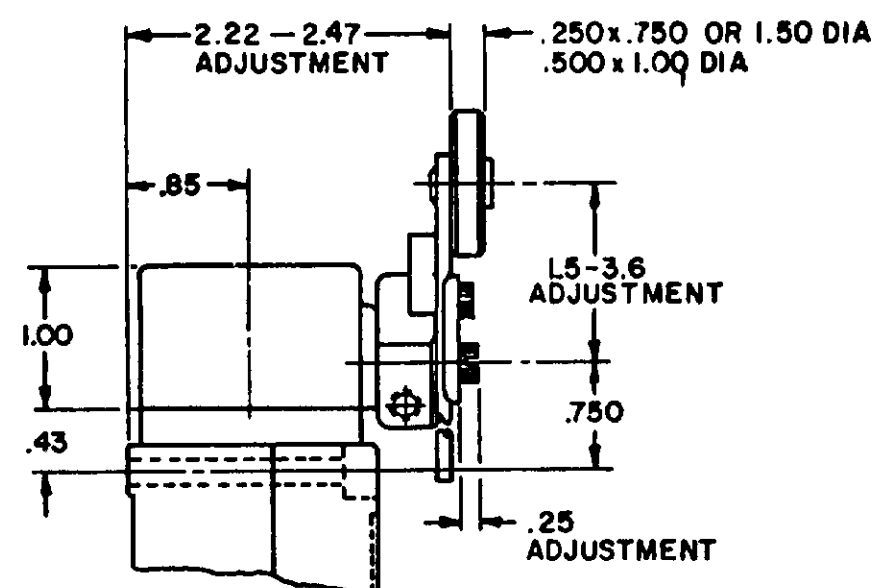
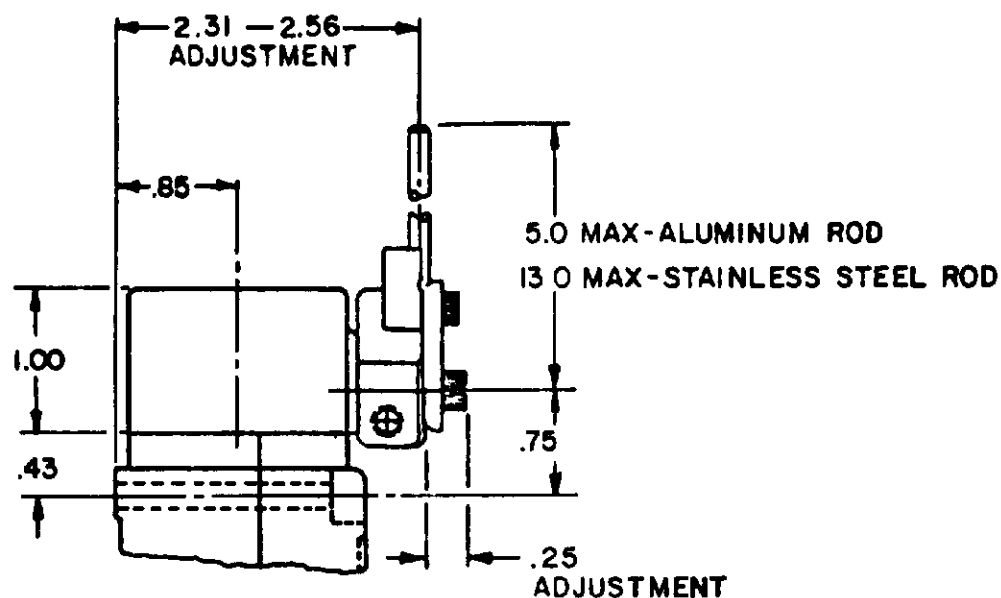
SIDE ROTARY CAM TRACKING



LSZ51 TYPE LEVERS

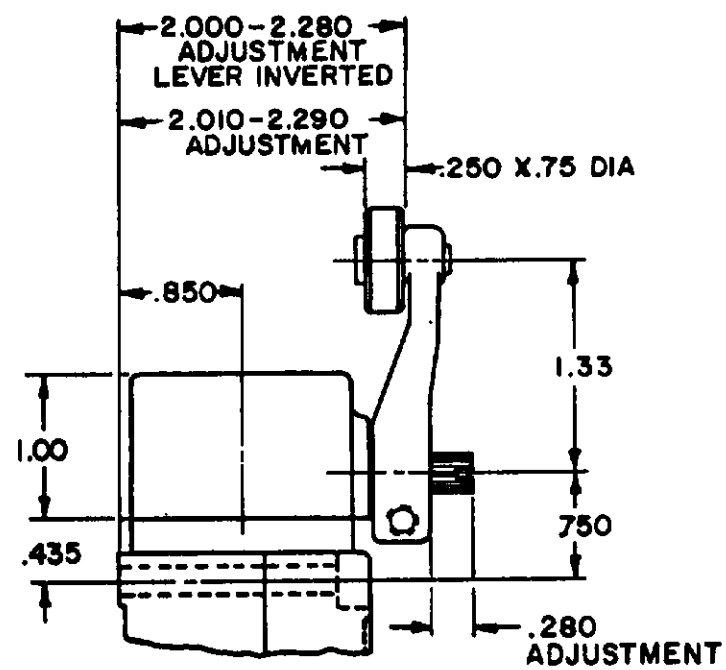
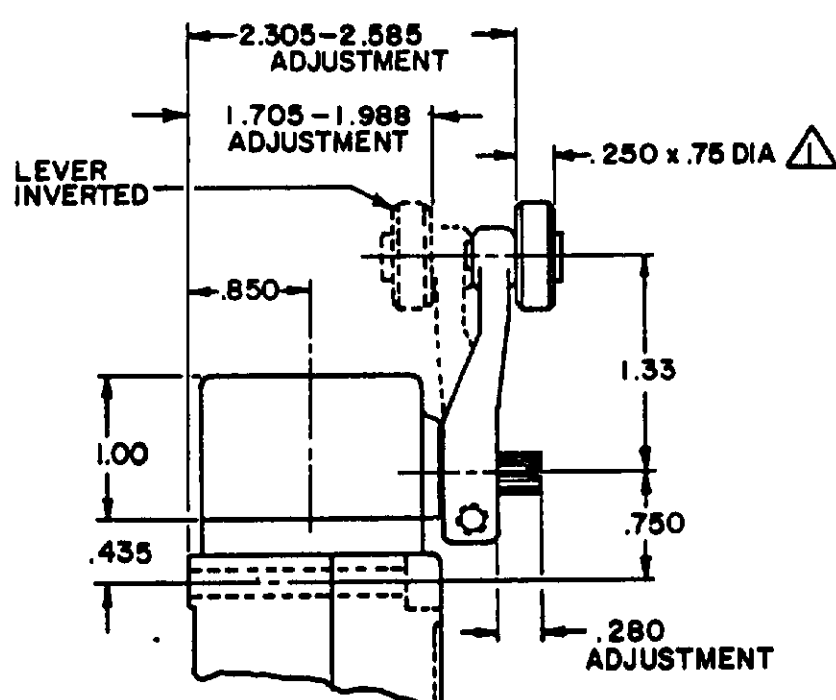


LSZ55 TYPE LEVERS



LSZ54 TYPE LEVER

LSZ52 TYPE LEVER



LSZ59 TYPE LEVERS

NOTES

- 1 - ALSO AVAILABLE IN .250 X 1.500 DIA NYLON, BUT LEVER CANNOT BE INVERTED
- 2 - FOR ADDITIONAL ROLLER WIDTHS AND/OR DIAMETERS REFER TO (M)
- 3 - FOR ADDITIONAL TYPES OF ROLLERS AND LEVERS REFER TO LSZ CHART 1 (M)

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MICRO SWITCH
a Honeywell Division

FEEDING CODE 31829

CHART 1

LSY SERIES

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE (.0) ± .030

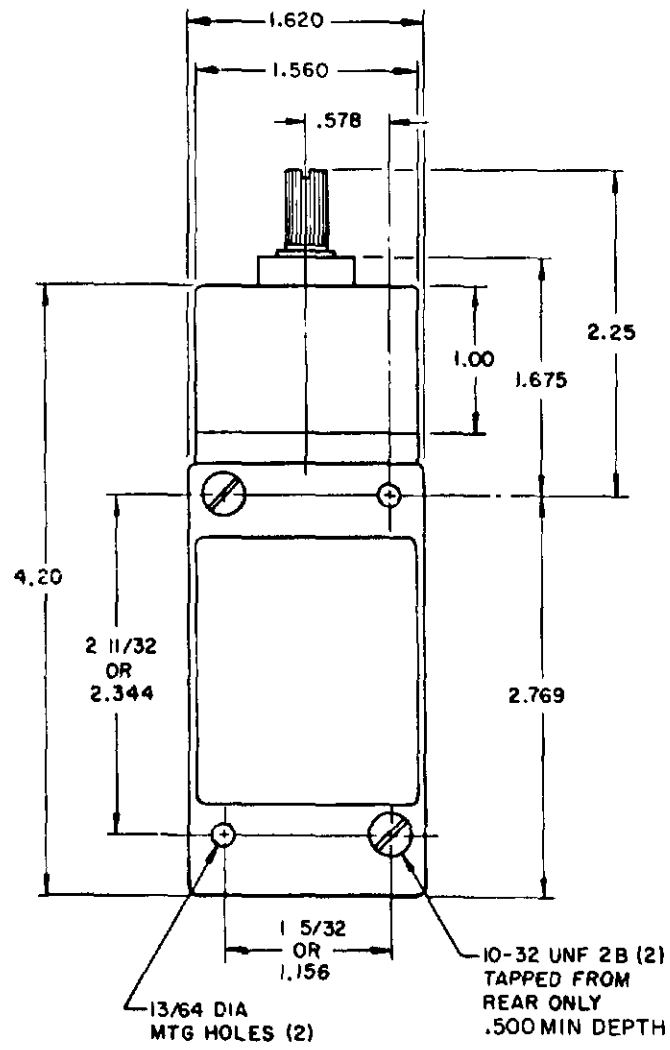
TWO PLACE (.00) ± .015

THREE PLACE (.000) ± .005

ANGLES ±

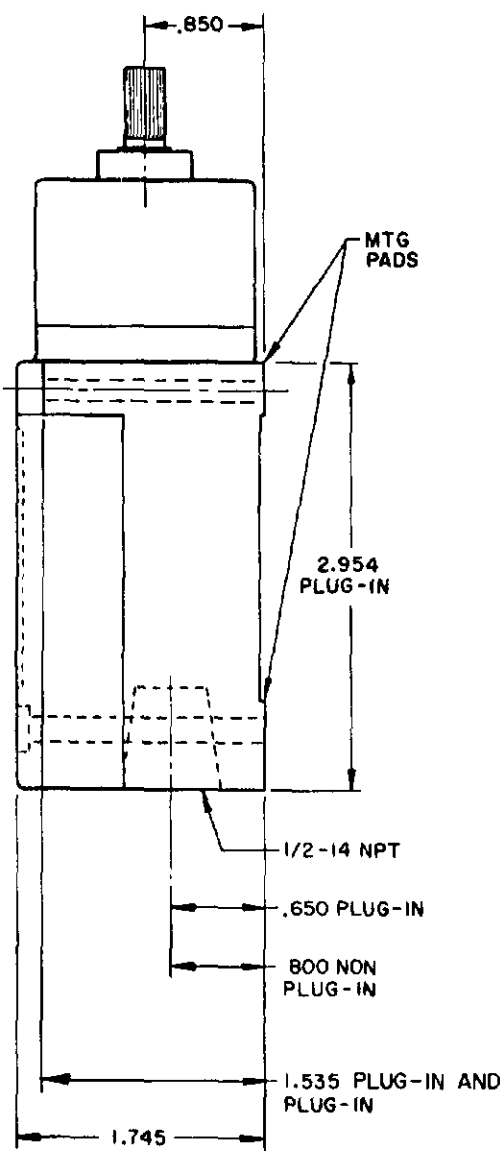
TOP ROTARY

SINGLE POLE

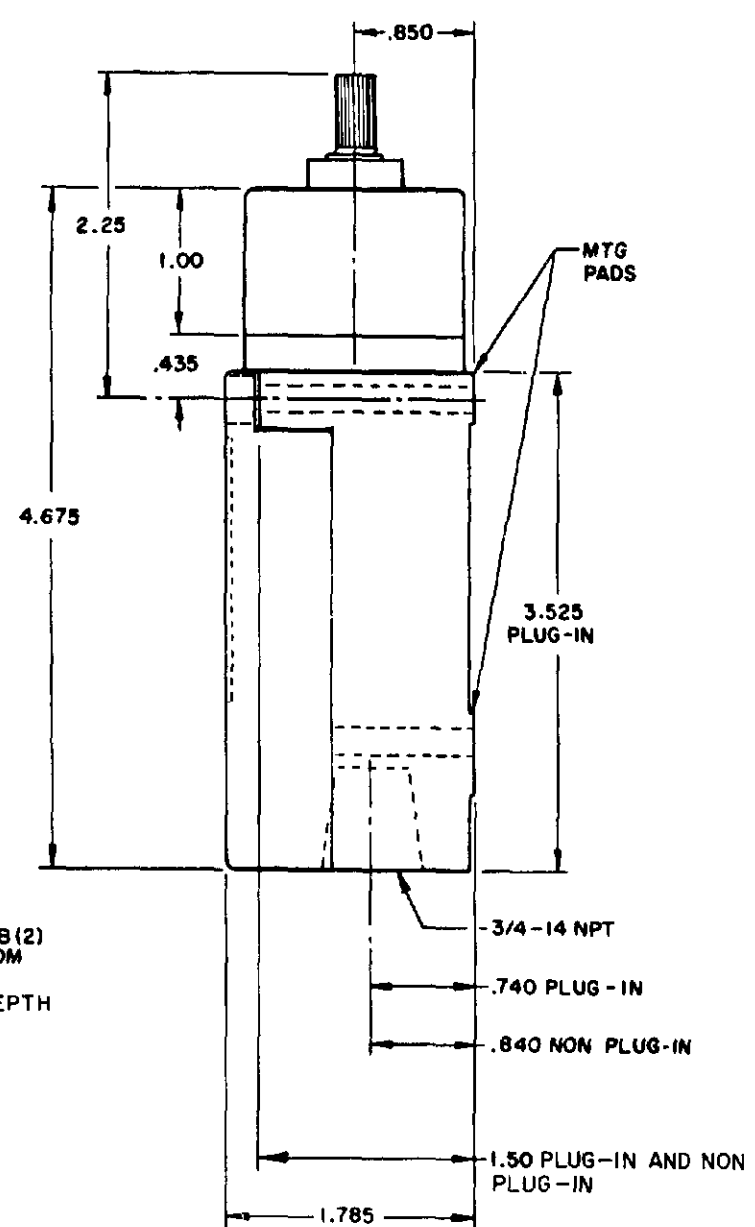
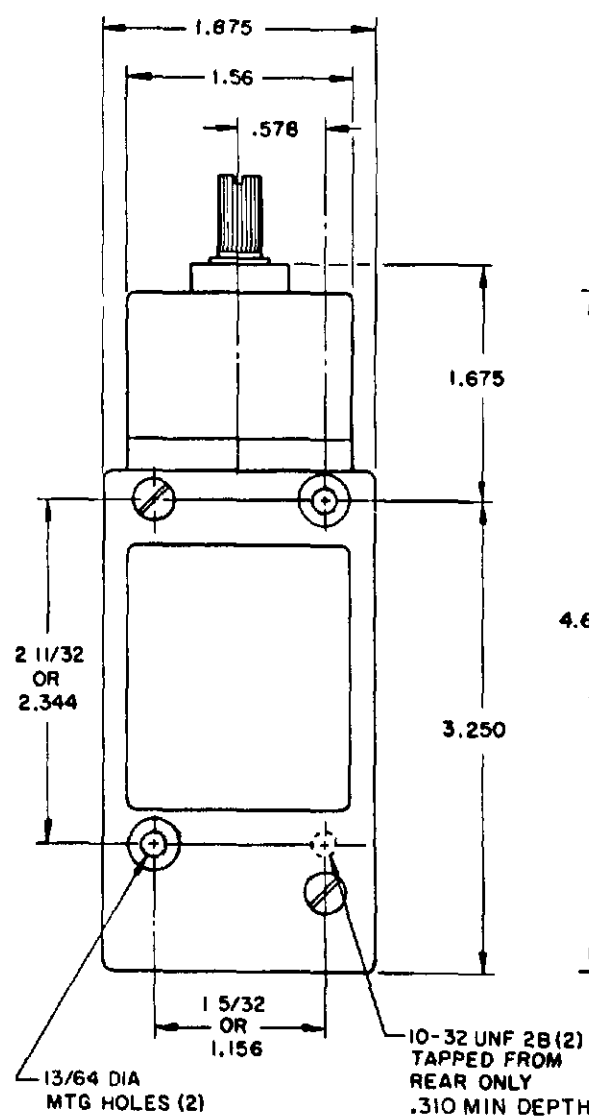


FLOUROSILICONE SEALS
LSYBB1 & LSYBB3

VITON SEALS
LSYBC1 & LSYBC3



DOUBLE POLE



FLOUROSILICONE SEALS
LSYBB2 & LSYBB4
LSYBB6 & LSYBB7 HAVE 1/2-14NPT
CONDUIT HOLE

VITON SEALS
LSYBC2 & LSYBC4, LSYBC6 & LSYBC7
HAVE 1/2-14NPT CONDUIT HOLE

PRETRAVEL MAX	SINGLE POLE 25°	DOUBLE POLE 25°
OVERTRAVEL MIN	110°	110°
DIFFERENTIAL TRAVEL MAX	10°	12°
OPERATING TORQUE MAX	2.5 IN. LBS	2.5 IN. LBS
TOTAL TRAVEL (REF)	135°	135°

ELECTRICAL RATINGS

10 AMP CONT.

A.C. VOLTAGE	AMPS AT .35 POWER FACTOR			
	SINGL. POL.		DOUBLE POL.	
	MAKE	BREAK	MAKE	BREAK
120	60	6	10	3
240	30	3	15	1.5
480	15	1.5	7.5	.75
600	12	1.2	6	.6

D.C. VOLTAGE	MAKE & BREAK INDUCTIVE	RESISTIVE
120	0.25	0.80
240	0.15	0.40

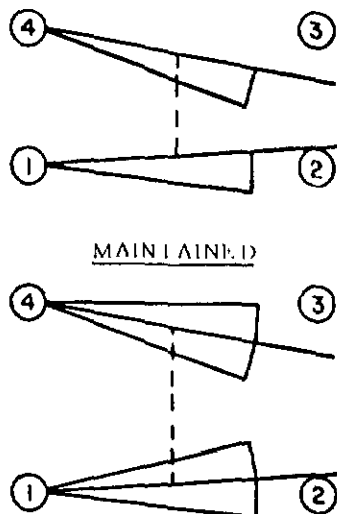
ELECTRONIC DUTY BASIC SWITCH
10 AMP CONT.

VOLTAGE	
5 AC OR DC MIN	.01 AMP MIN
600 AC	720 VA
240 DC	30 WATT

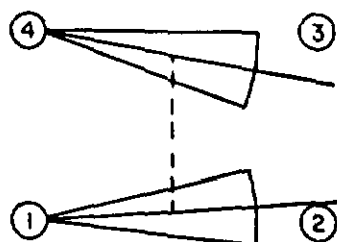
WIRING BASIC SWITCH (SAME POLARITY MUST BE OBSERVED FOR EACH POLE)

SINGLE POLE

MOMENTARY



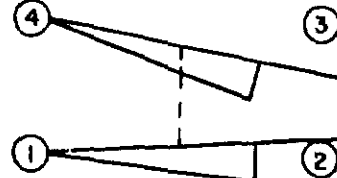
MAINTAINED



SINGLE POLE

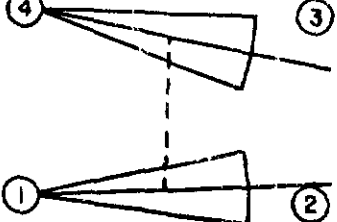
ELECTRONIC DUTY

MOMENTARY



ELECTRONIC DUTY

MAINTAINED

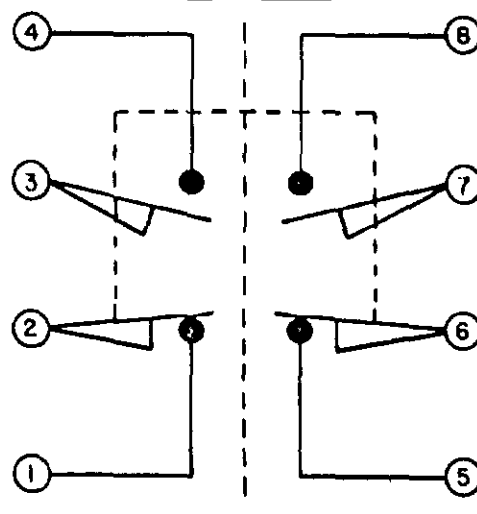


DIRECT ACTING

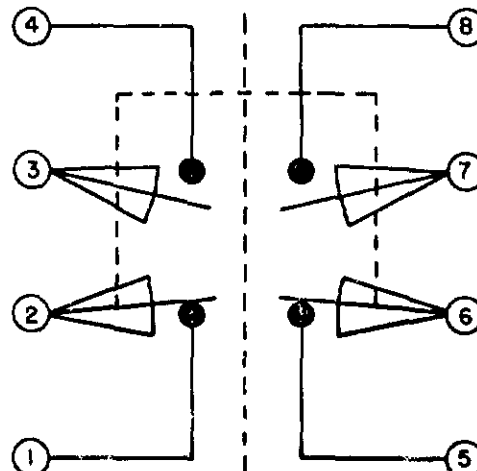


DOUBLE POLE

MOMENTARY



MAINTAINED



DIRECT ACTING (ALSO RATED AT A.C. 10
AMP CONT.)

D.C. VOLTAGE	MAKE AND BREAK AMPS	
	INDUCTIVE	RESISTIVE
30	4.2	4.2
120	1.1	1.1
240	.55	.55

NOTES:
1 - ALL UNITS AVAILABLE WITH
FLOUROSILICONE AND VITON SEALS

2 DIFFERENTIAL TRAVEL ON ALL
OPERATING CHARACTERISTICS NOT
APPLICABLE

MICRO SWITCH
FREEPORT, L.I., N.Y. U.S.A.
A DIVISION OF HONEYWELL
FED. REG. CODE 91918

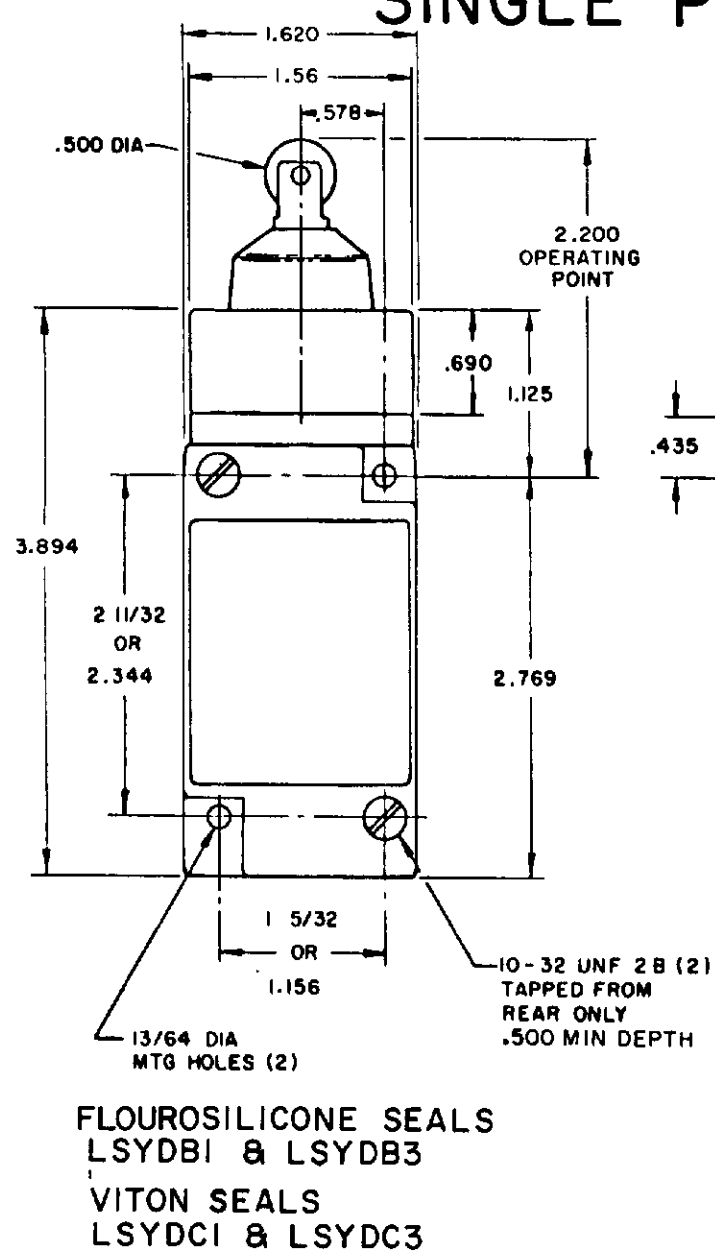
SWITCH - ENCLOSED

LSY SERIES
CHART 1

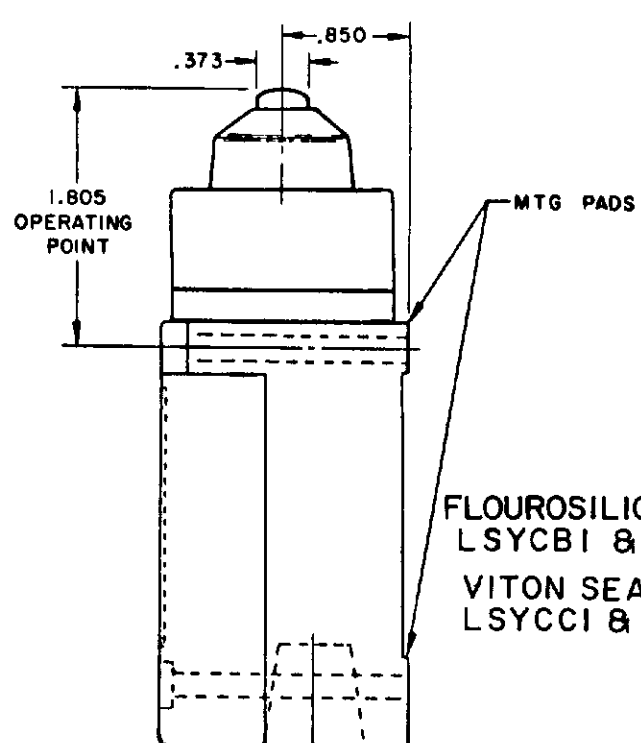
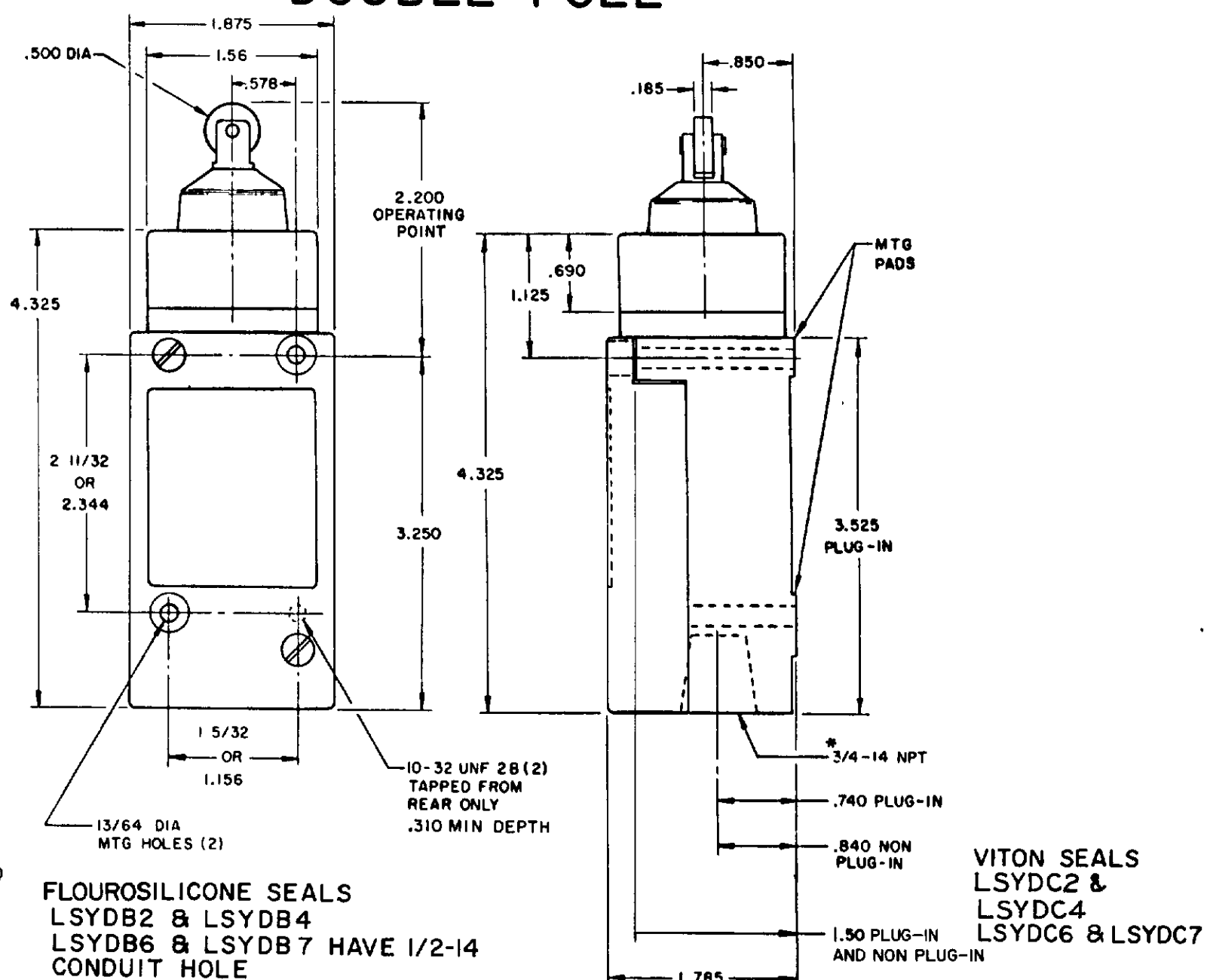
SCALE NONE
DO NOT SCALE PRINT

PLUNGER TYPE TOP

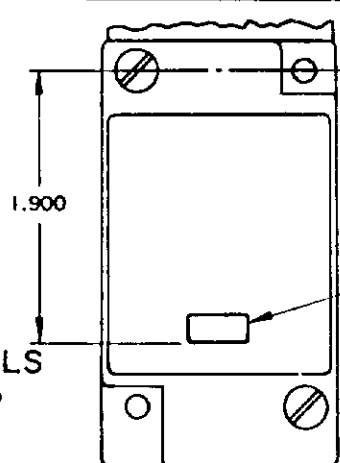
SINGLE POLE



DOUBLE POLE

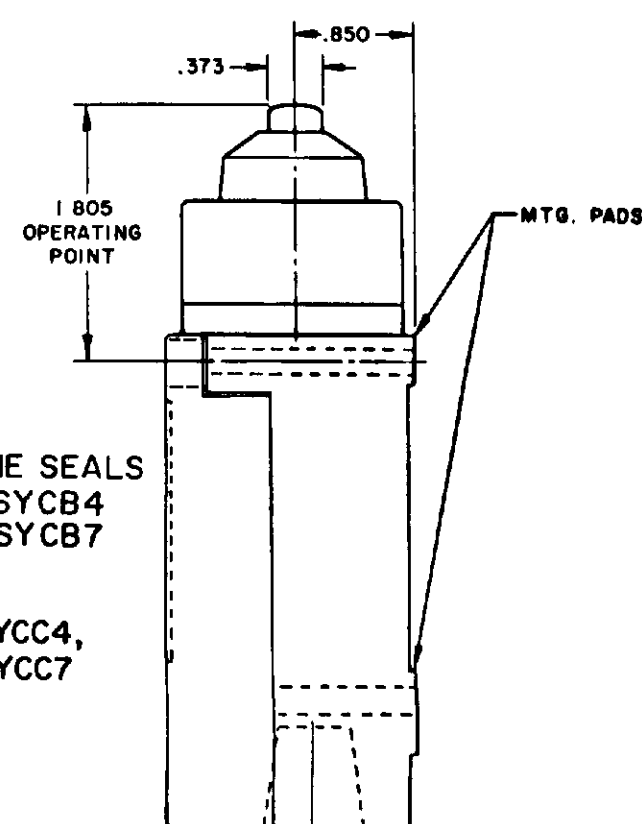


SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP



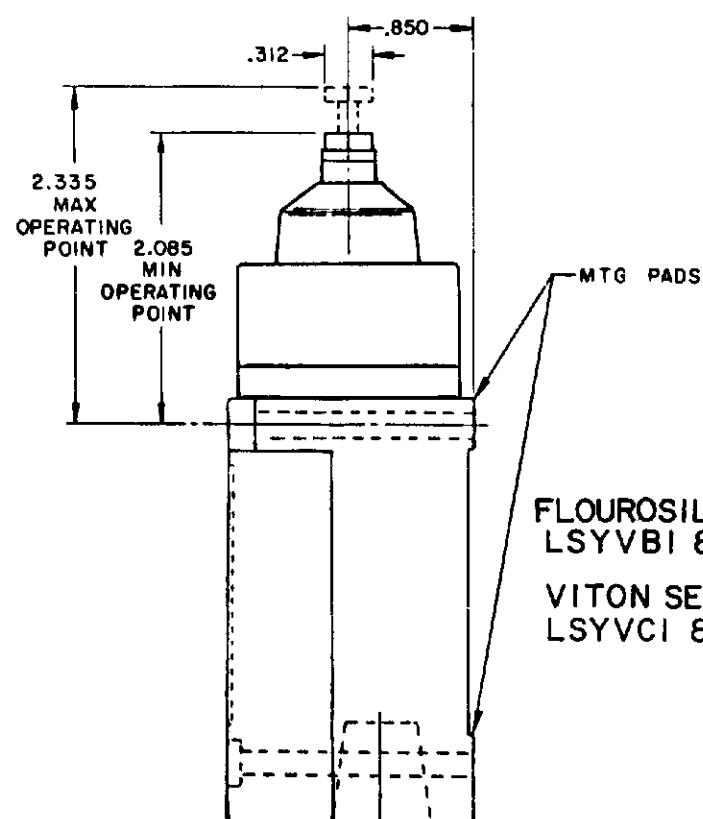
FLOUROSILICONE SEALS
LSYCB1 & LSYCB3
VITON SEALS
LSYCC1 & LSYCC3

120 LAMP VOLTAGE -
LSYCB 5, LSYDB5, LSYVB5
LSYCC 5, LSYDC5, LSYVC5
240 LAMP VOLTAGE -
LSYCB8, LSYDB8, LSYVB8
LSYCC8, LSYDC8, LSYVC8

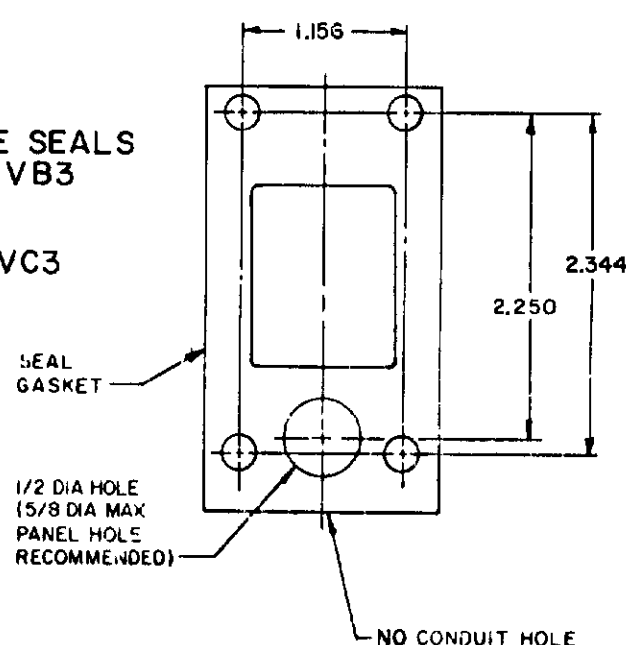


FLOUROSILICONE SEALS
LSYCB2 & LSYCB4
LSYCB6 & LSYCB7

VITON SEALS
LSYCC2 & LSYCC4,
LSYCC6 & LSYCC7



MANIFOLD MOUNT (PLUG-IN ONLY)
SINGLE POLE AND DOUBLE POLE
TYPE LSYA THROUGH LSYW SERIES

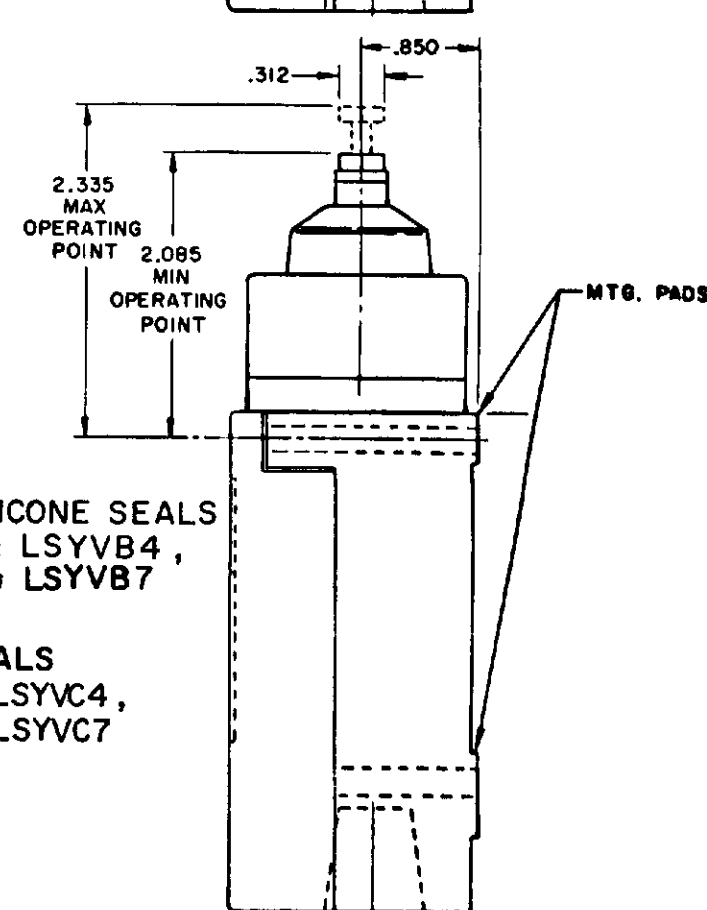


FLOUROSILICONE SEALS
LSYVBI & LSYVB3

VITON SEALS
LSYVCI & LSYVC3

FLOUROSILICONE SEALS
LSYVB2 & LSYVB4,
LSYVB6 & LSYVB7

VITON SEALS
LSYVC2 & LSYVC4,
LSYVC6 & LSYVC7



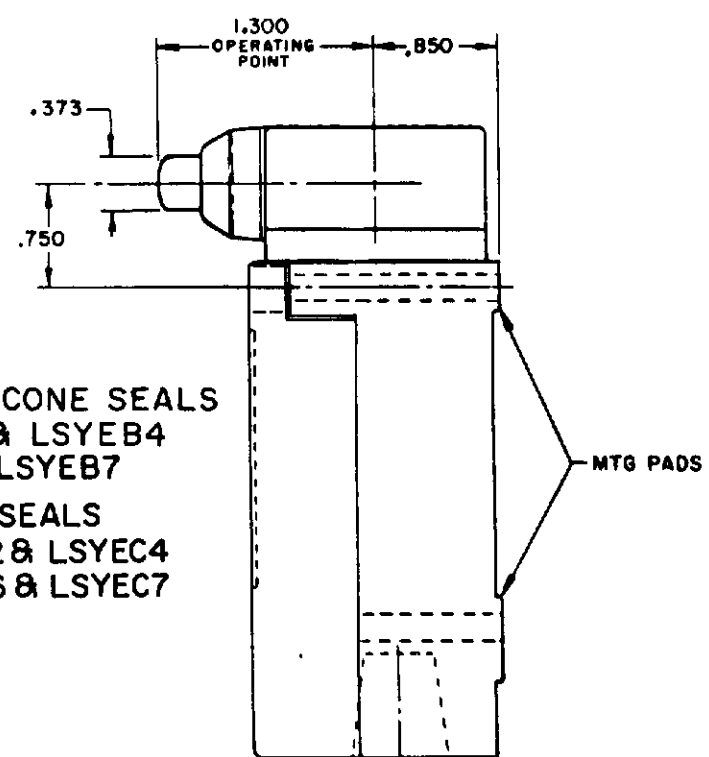
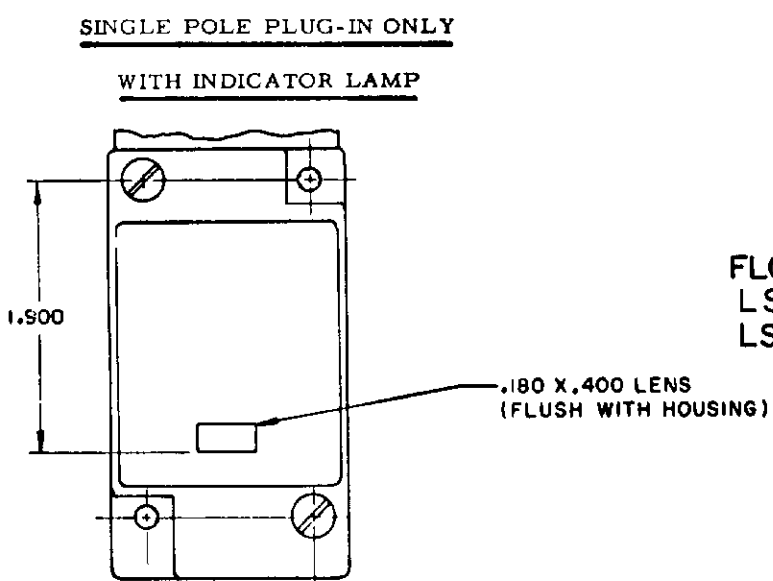
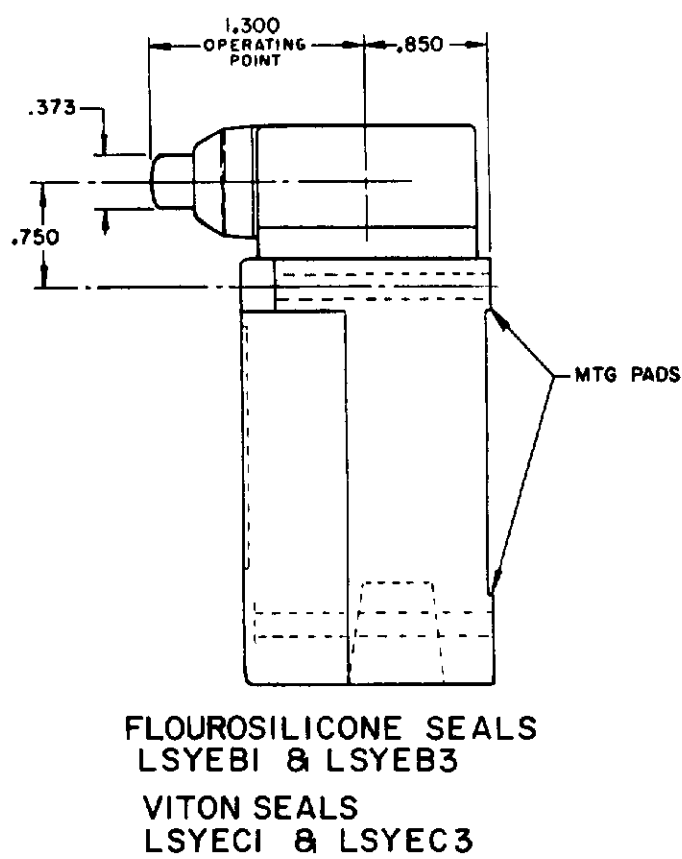
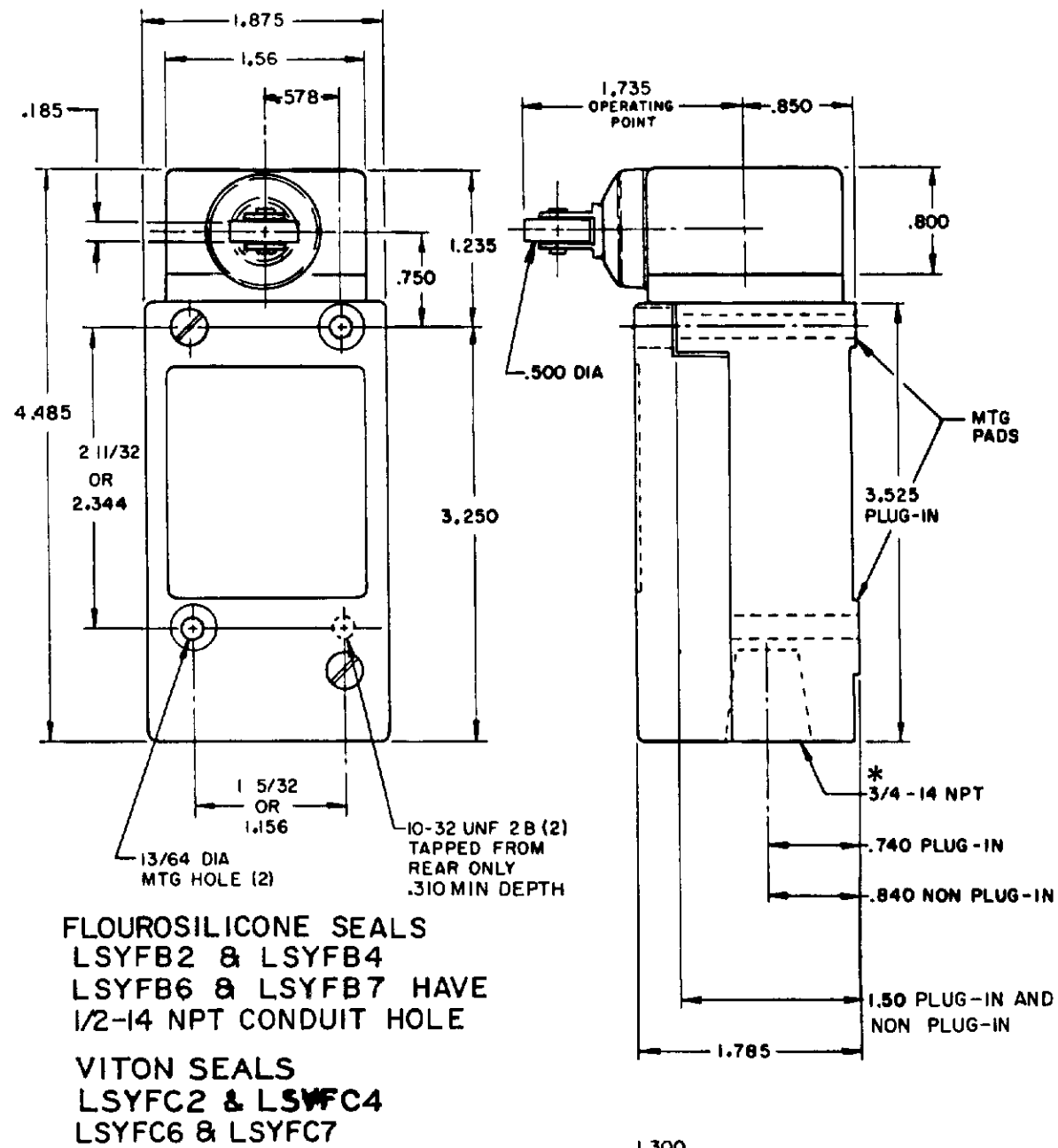
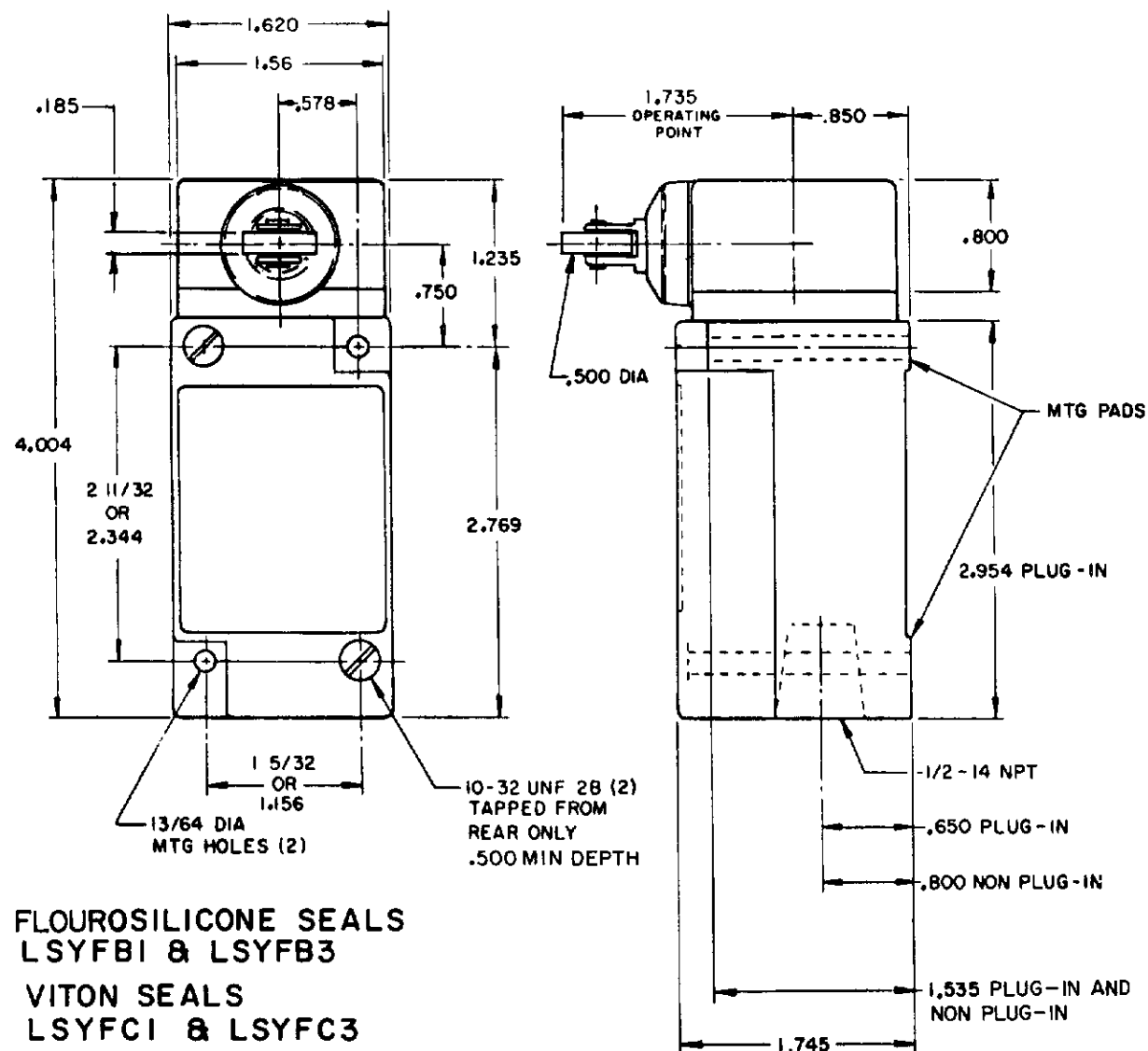
NOTES:
1 - ALL UNITS AVAILABLE WITH
FLOUROSILICONE AND VITON SEALS

MICRO SWITCH PREPARED BY: L.S.Y. U.S.A. A DIVISION OF: HONEYWELL 1430 MICRO SWITCH DRIVE	SWITCH - ENCLOSED	
	CATALOG LISTING LSY SERIES CHART 1	

SIDE PLUNGER TYPE

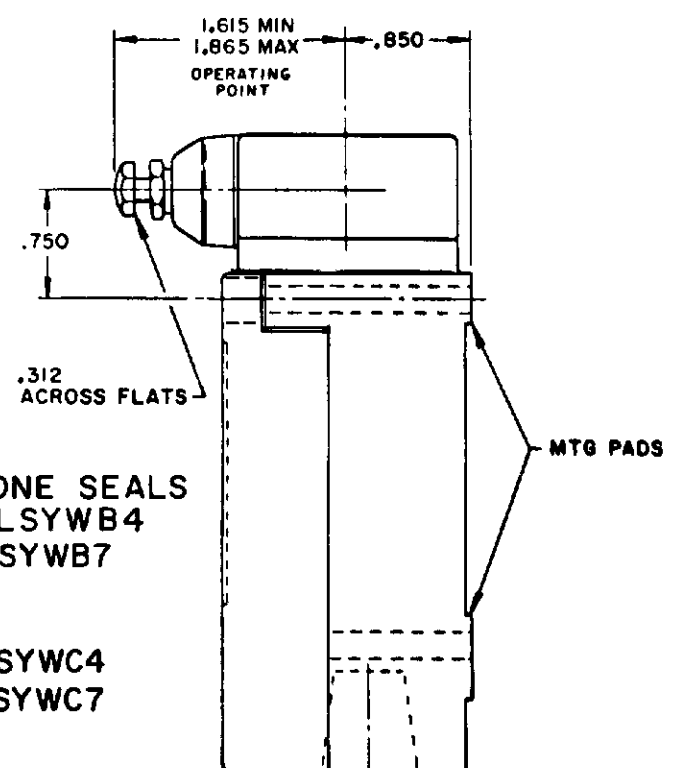
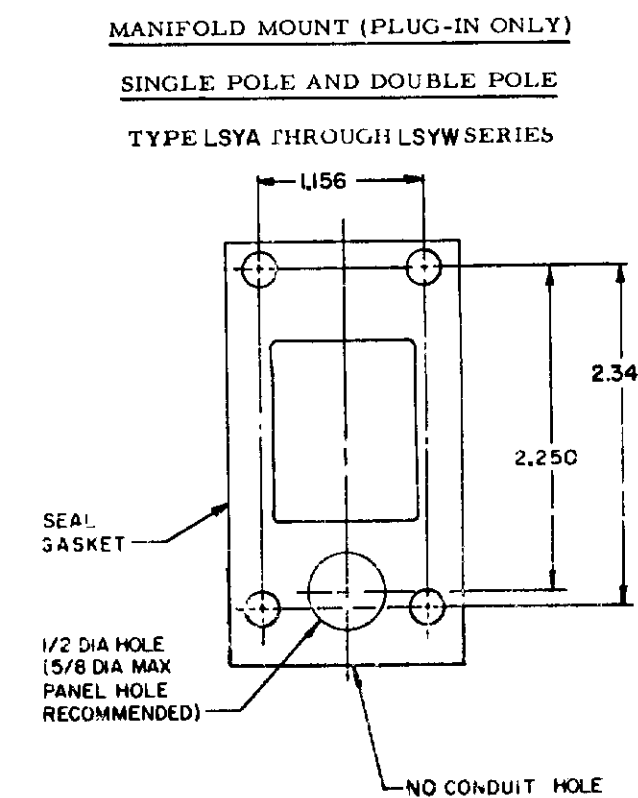
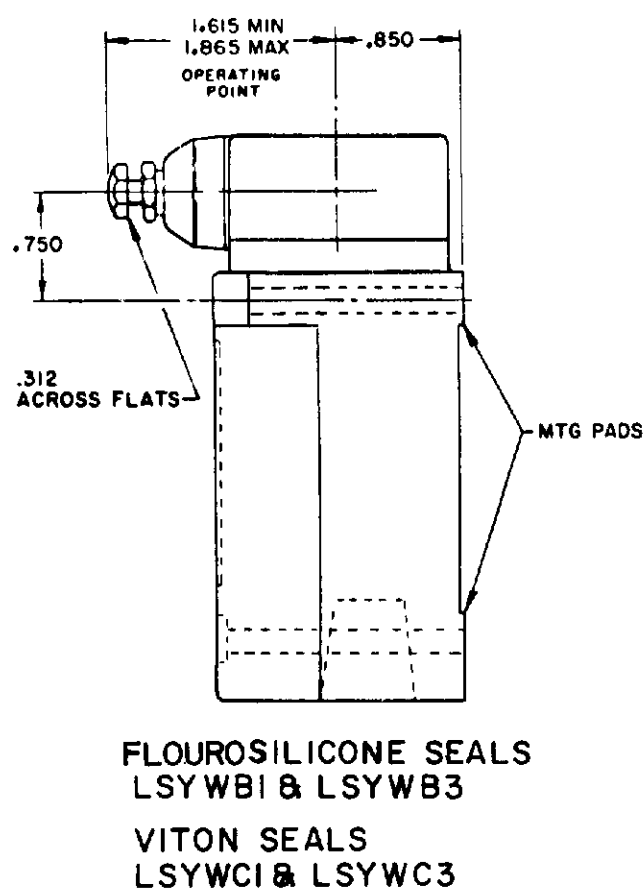
SINGLE POLE

DOUBLE POLE



120 LAMP VOLTAGE -
LSYFB5, LSYEB5, LSYWB5
LSYFC5, LSYEC5, LSYWC5

240 LAMP VOLTAGE -
LSYFB8, LSYEB8, LSYWB8
LSYFC8, LSYEC8, LSYWC8



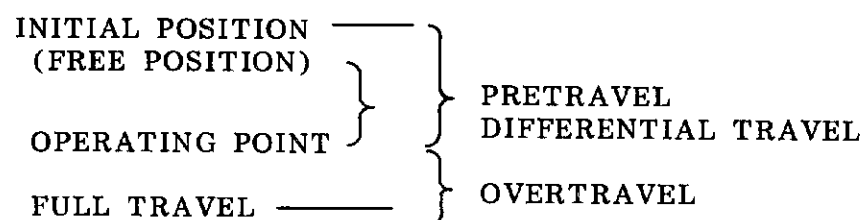
NOTES:
1 - ALL UNITS AVAILABLE WITH
FLOUROSILICONE AND VITON SEALS

MICRO SWITCH
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FED. REG. COPY # 938

SWITCH - ENCLOSED

LSY SERIES
CATALOG LISTING
CHART 1

SCALE NONE
DO NOT SCALE PRINT



OPERATING POINT GIVEN IN RELATION TO TOP MOUNTING HOLE TOP PLUNGER TYPES

CHARACTERISTICS	LSYC PLUNGER		LSYD ROLLER PLUNGER		LSYV ADJ PLUNGER		SEQUENCE BASIC			
	LSYC	LSYD	LSYC	LSYD	LSYV	LSYD	LSYV			
PRETRAVEL (MAX)	.070		.070		.070		1ST STEP .070 2ND STEP .016 MIN ADD'L			
DIFFERENTIAL TRAVEL (MAX)	SINGLE POLE .015	DOUBLE POLE .020	SINGLE POLE .015	DOUBLE POLE .020	SINGLE POLE .015	DOUBLE POLE .020	.015 EACH STEP			
OVERTRAVEL (MIN)	.190		.190		.190		.170			
OPERATING FORCE (MAX)	4 LBS		4 LBS		4 LBS		4 LBS			
OPERATING POINT	1.805 ± .030		2.200 ± .040		2.085 MIN 2.335 MAX		1ST STEP 1.815±.030 2.210±.040 2.095 MIN / 2.345 MAX			
FULL OVERTRAVEL FORCE (MAX)	7 LBS		7 LBS		7 LBS		7 LBS			

OPERATING POINT GIVEN IN RELATION TO CENTER OF HEAD	SIDE	PLUNGER TYPES
BEFORE	1	1
AFTER	2	2

CHARACTERISTICS	LSYE PLUNGER	LSYF ROLLER PLUNGER	LSYW ADJ PLUNGER	LSYG PLUNGER MAINTAINED	SEQUENCE BASIC		
					LSYE	LSYF	LSYW
PRETRAVEL (MAX)	.100	.100	.100	.170	1ST STEP .100		
DIFFERENTIAL TRAVEL (MAX)	.045	.045	.045	.090	2ND STEP .020 MIN ADD'L		
OVERTRAVEL (MIN)	.190	.190	.190	.080	.025 EACH STEP		
OPERATING FORCE (MAX)	6 LBS	6 LBS	6 LBS	10 LBS	6 LBS		
OPERATING POINT	1.300 ± .030	1.735 ± .040	1.615 MIN 1.865 MAX	1.480 ± .030	1ST STEP		
FULL OVERTRAVEL FORCE (MAX)	6 LBS	6 LBS	6 LBS	10 LBS	1.310±.030	1.745±.040	1.625 MIN / 1.875 MAX

THIRD ANGLE PROJECTION

NAME	DATE	TIME	LOCATION	REMARKS
ALF	NONE			

DO NOT SCALE PRINTING

TOLERANCES

DATE	TIME	REFERENCE	UNLESS NOTED TOLERANCE
------	------	-----------	------------------------

Year	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

PLACES	M, M	0 4/018	M
PLACES	M, M	0 18/006	M
PLACES	M, M		M
PLACES	M, M		M
PLACES	M, M		M
PLACES	M, M		M

SYNTHETIC US

GM UNITS	☐
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RAW MATERIAL—COMMERCIAL STANDARDS

PROTECTIVE COATINGS ARE APPLIED

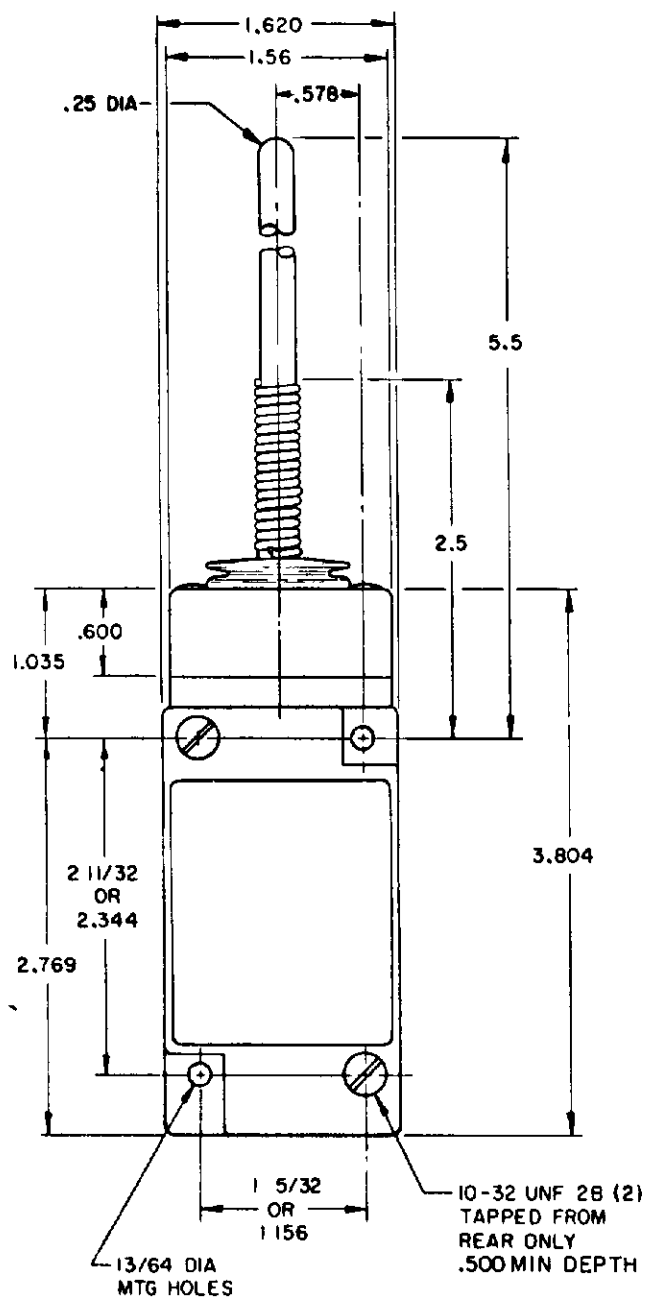
EIGHT

Abstract

WOBBLE STICK

SINGLE POLE

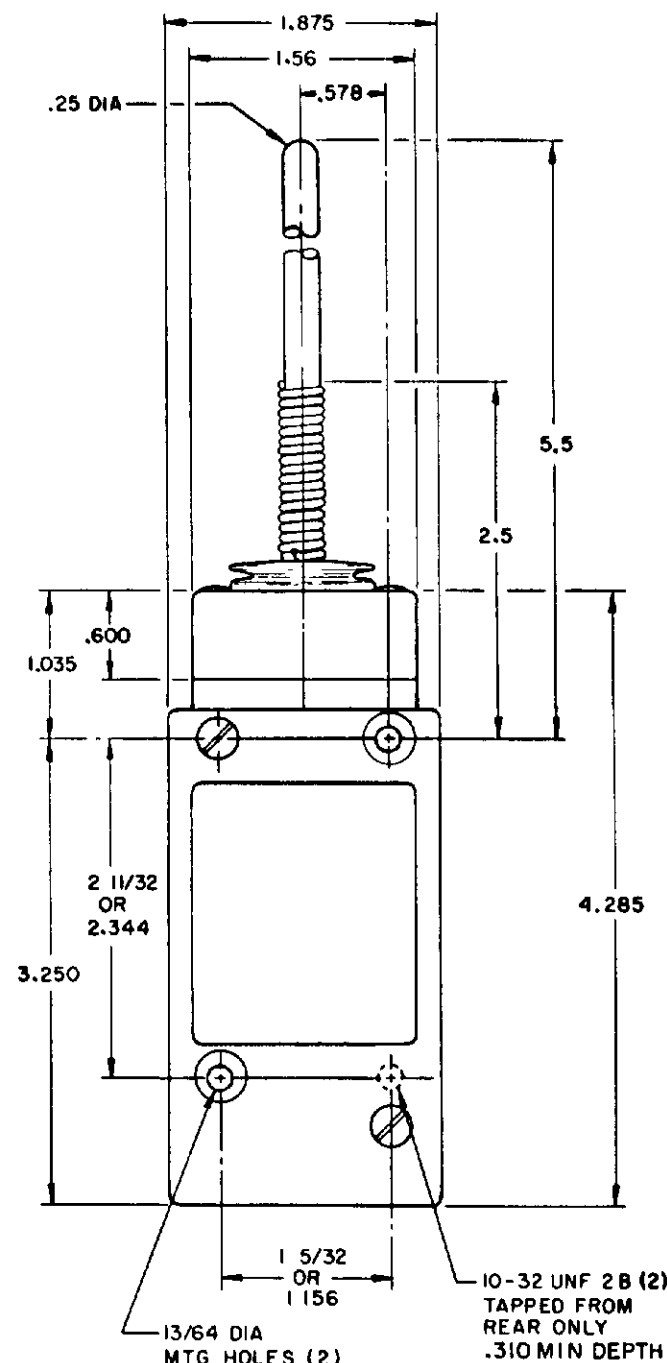
DOUBLE POLE



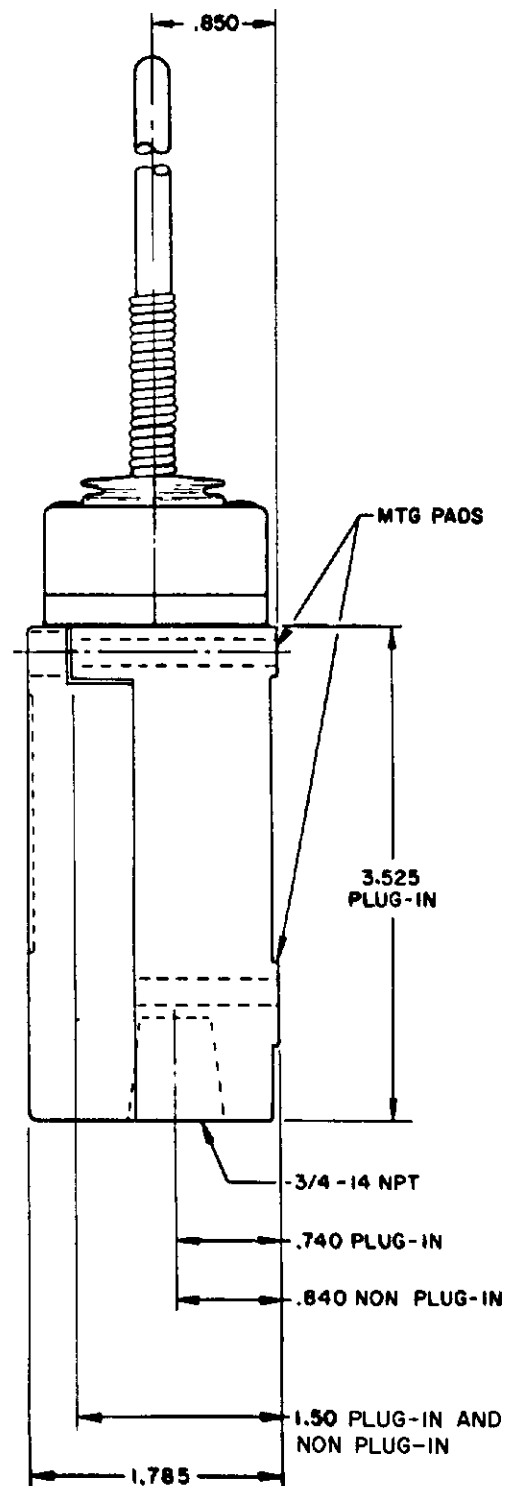
**PLASTIC EXTENSION
TYPE 7A ACTUATOR**



**REPLACEMENT ACTUATOR
LSZ 4009**



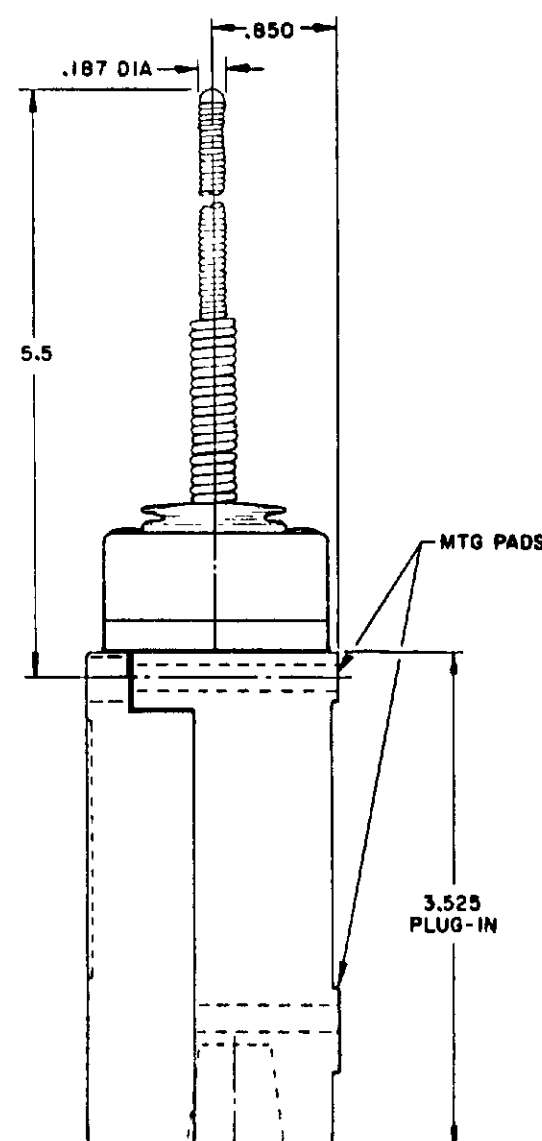
**PLASTIC EXTENSION
TYPE 7A ACTUATOR**



**REPLACEMENT ACTUATOR
LSZ 4011**



**CABLE EXTENSION
TYPE 7N ACTUATOR**



**CABLE EXTENSION
TYPE 7N ACTUATOR**

MANIFOLD MOUNT (PLUG-IN ONLY)
SINGLE POLE AND DOUBLE POLE
TYPE LSYA THROUGH LSYW SERIES



NOTES:
1 - ALL UNITS AVAILABLE WITH
FLUOROSILICONE AND VITON SEALS

MICRO SWITCH
FREEPORT ILLINOIS U.S.A.
A DIVISION OF HONEYWELL

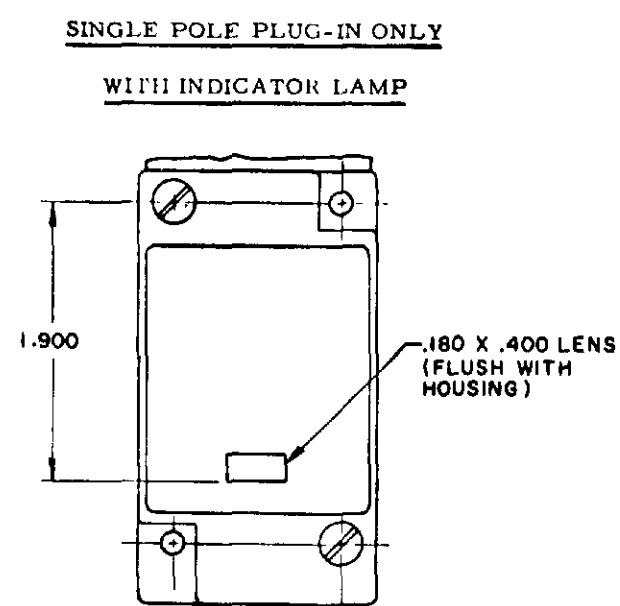
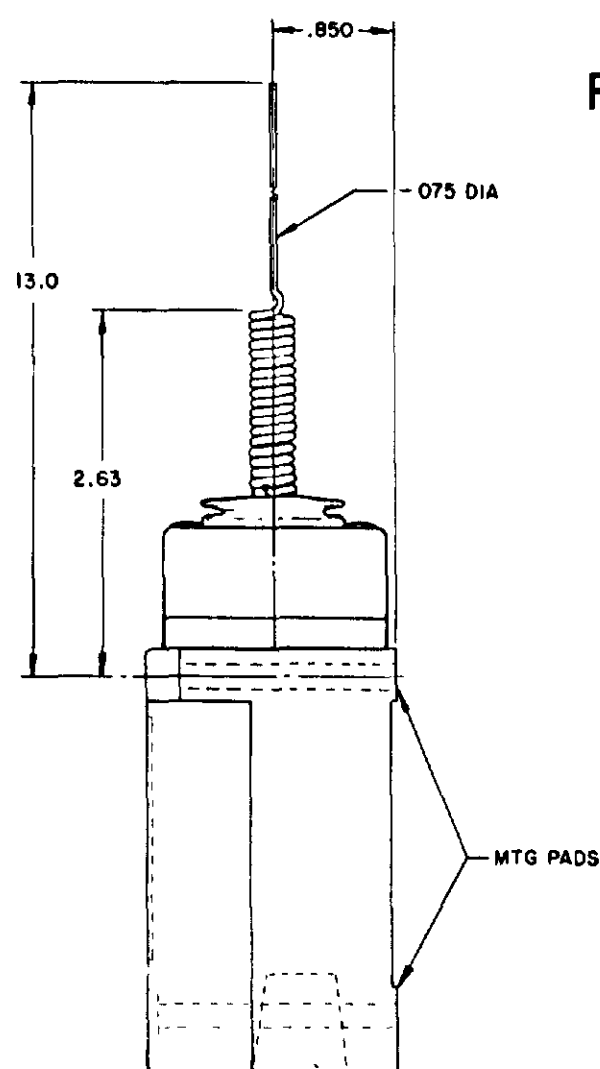
SWITCH-ENCLOSED

CHART 1

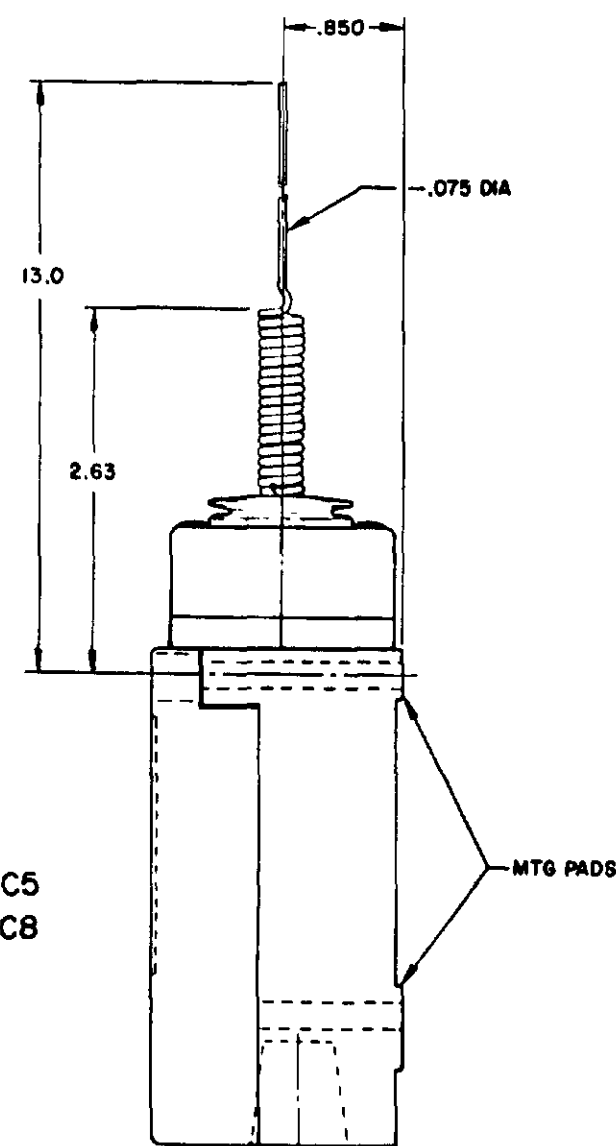
LSY SERIES

SCALE NONE
DO NOT SCALE PRINT

REPLACEMENT ACTUATOR LSZ40IO



120 LAMP VOLTAGE TYPE-LSYJB5 & LSYJC5
240 LAMP VOLTAGE TYPE-LSYJB8 & LSYJC8



WIRE EXTENSION TYPE 7M ACTUATOR

FLOUROSILICONE SEALS
LSYJBI & LSYJB3

VITON SEALS
LSYJC1 & LSYJC3

WIRE EXTENSION TYPE 7M ACTUATOR

FLOUROSILICONE SEALS

LSYJB2 & LSYJB4

LSYJB6 & LSYJB7 HAVE 1/2 -14 NPT CONDUIT HOLE

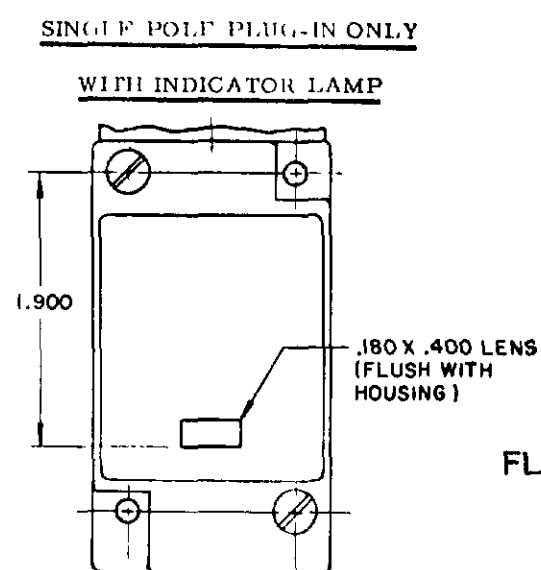
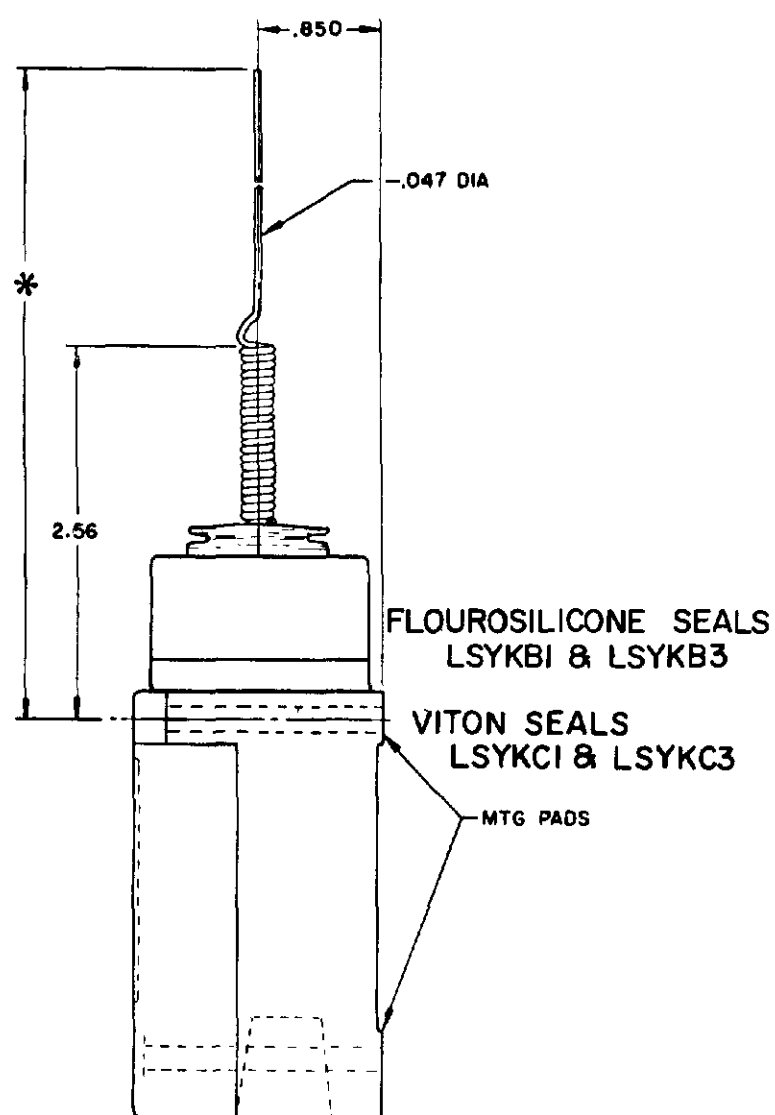
VITON SEALS LSYJC2 & LSYJC4

LSYJC6 & LSYJC7 HAVE 1/2-14 NPT CONDUIT HOLE

REPLACEMENT ACTUATOR LSZ 4010

CAT WHISKER

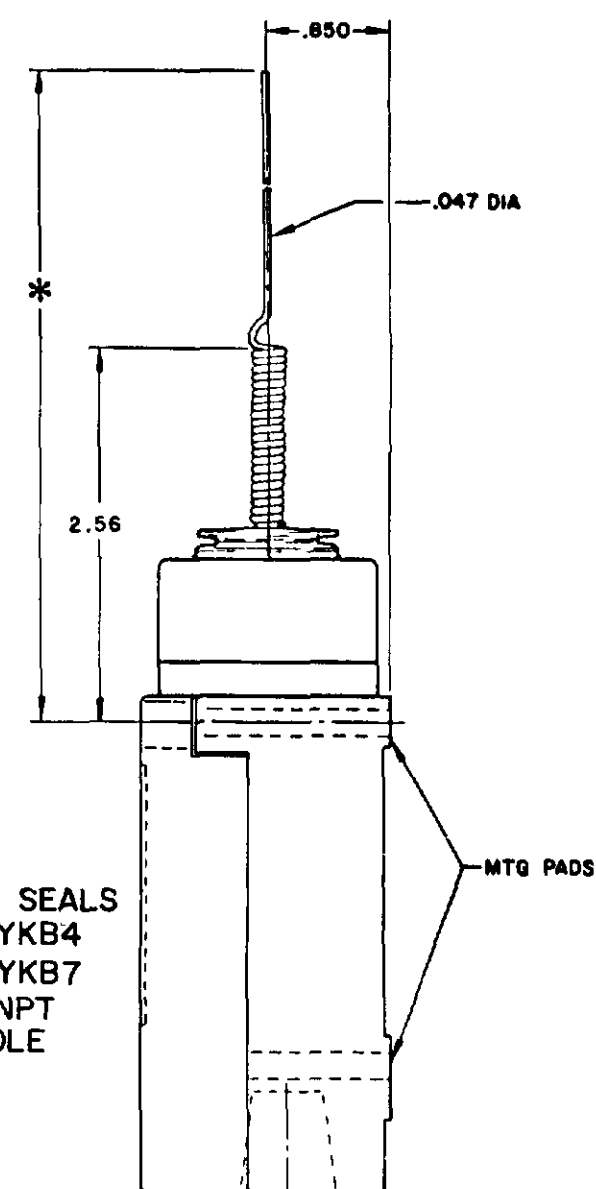
SINGLE POLE



FLOUROSILICONE SEALS
120 LAMP VOLTAGE
LSYKB5 CAT WHISKER LSYBB5 TOP ROTARY
240 LAMP VOLTAGE
LSYKB8 CAT WHISKER LSYBB8 TOP RATORY

VITON SEALS
120 LAMP VOLTAGE
LSYKC5 CAT WHISKER LSYBC5 TOP ROTARY
240 LAMP VOLTAGE
LSYKC8 CAT WHISKER LSYBC8 TOP ROTARY

DOUBLE POLE



WIRE EXTENSION REPLACEMENTS

*TYPE 8A ACTUATOR 5.5 IN. - LSZ 4012
TYPE 8B ACTUATOR 7.5 IN. - LSZ 4013
TYPE 8C ACTUATOR 5.5 IN. - LSZ 4014

NOTE-
1 - ALL UNITS AVAILABLE WITH
FLOUROSILICONE AND VITON SEALS

	CAT WHISKER			WOBBLE STICK		
PRETRAVEL (APPROX) IN. RADIUS	5 1/2" COIL WIRE	5 1/2" WIRE	7 1/2" WIRE	ROD	CABLE	WIRE
	2	2	4.5	1.0	1.5	4.0
OPERATING FORCE-OZ (MAX)	7.0	5.0	3.0	10.0	7.0	5.0

MICRO SWITCH
FREEPORT ILLINOIS U.S.A.
A DIVISION OF HONEYWELL
FED. REG. CODE 91939

SWITCH-ENCLOSED

CHART 1

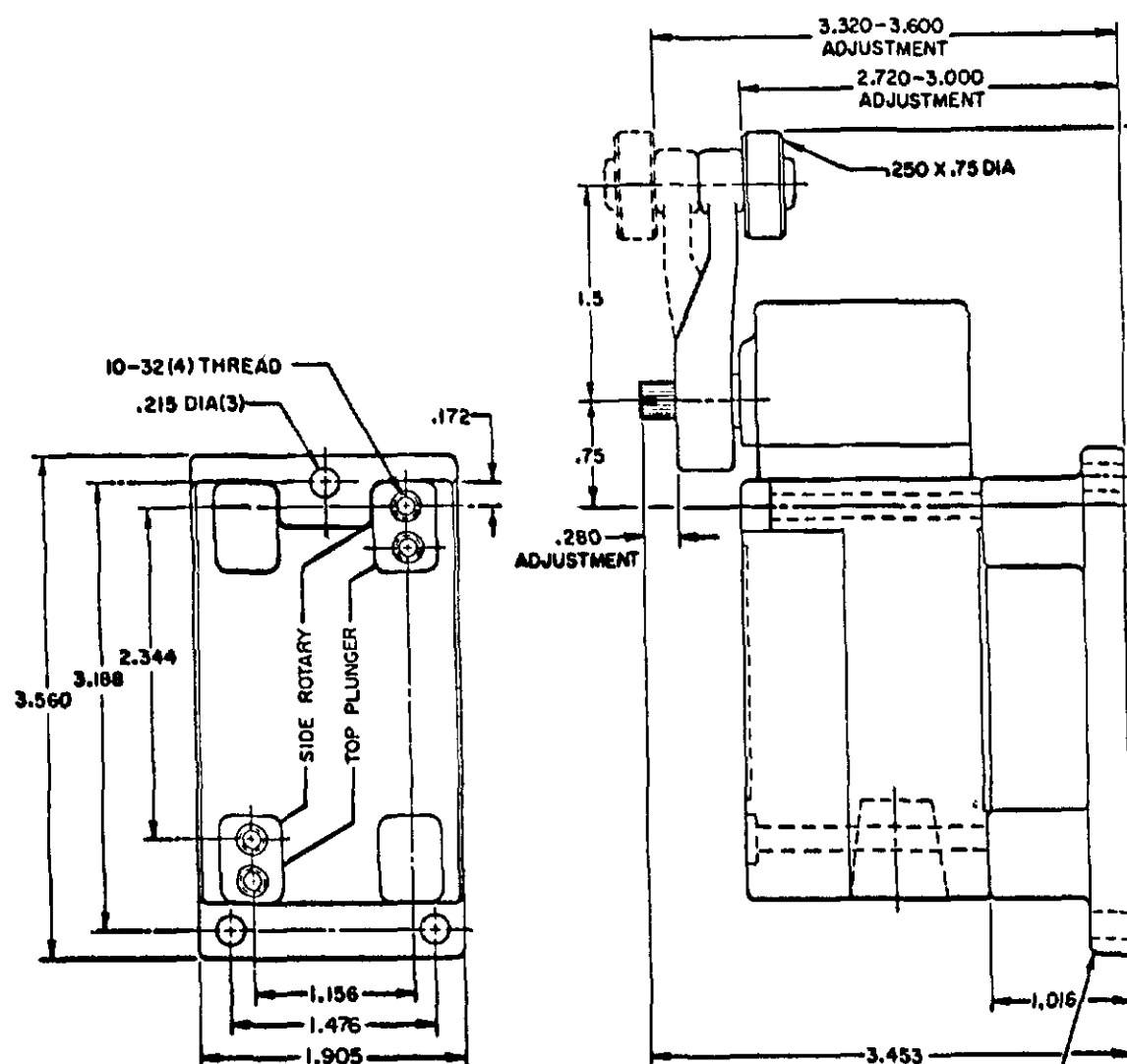
LSY SERIES

SCALE NONE
DO NOT SCALE PRINT

LSY SERIES CHART
PAGE 8 OF 10

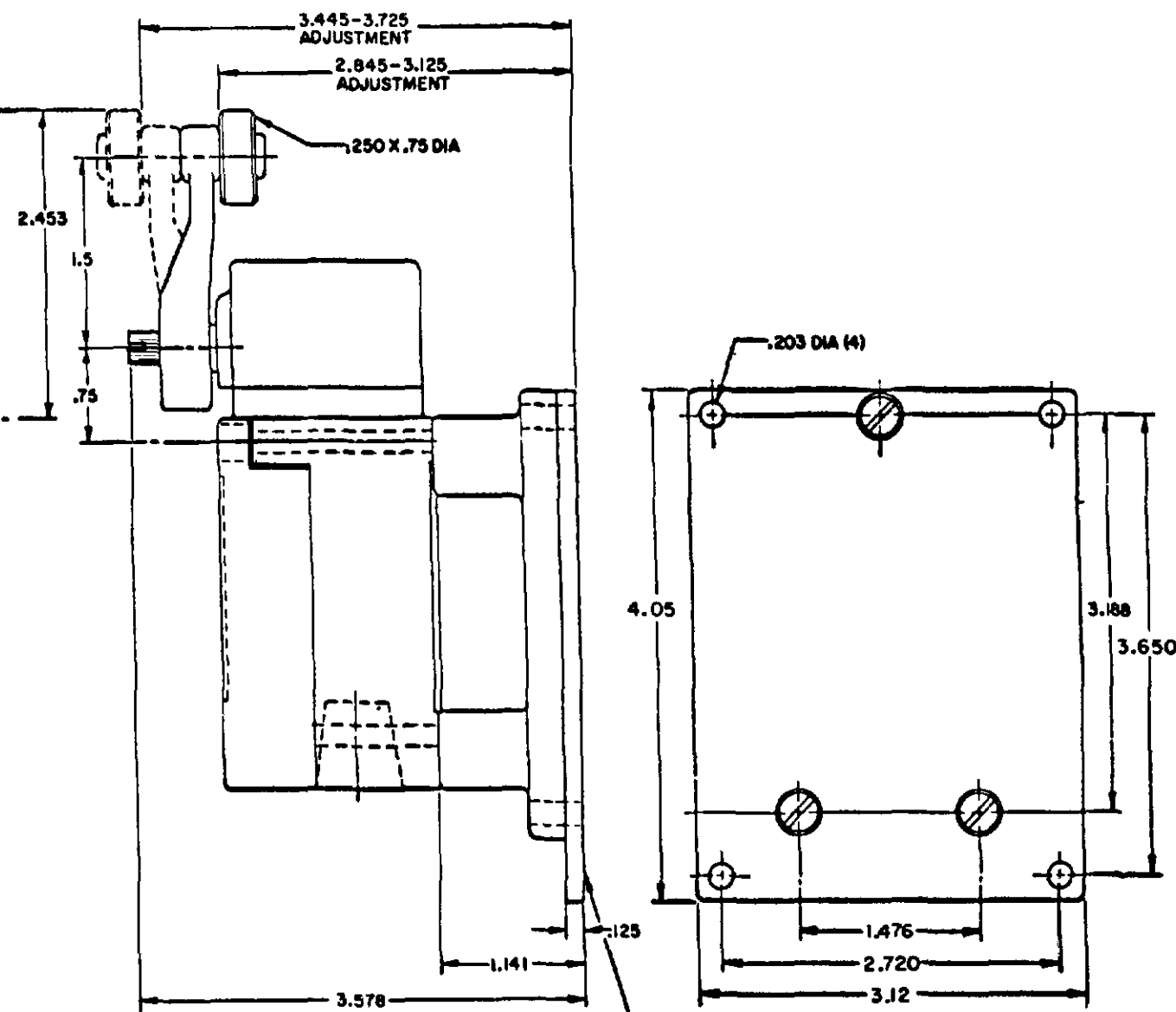
CONVERSION BASES

SINGLE POLE (SIDE ROTARY) LSZ 4003



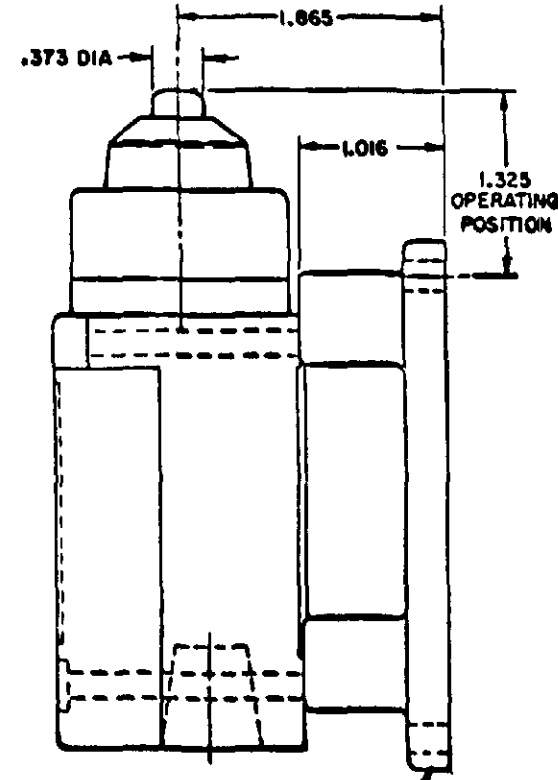
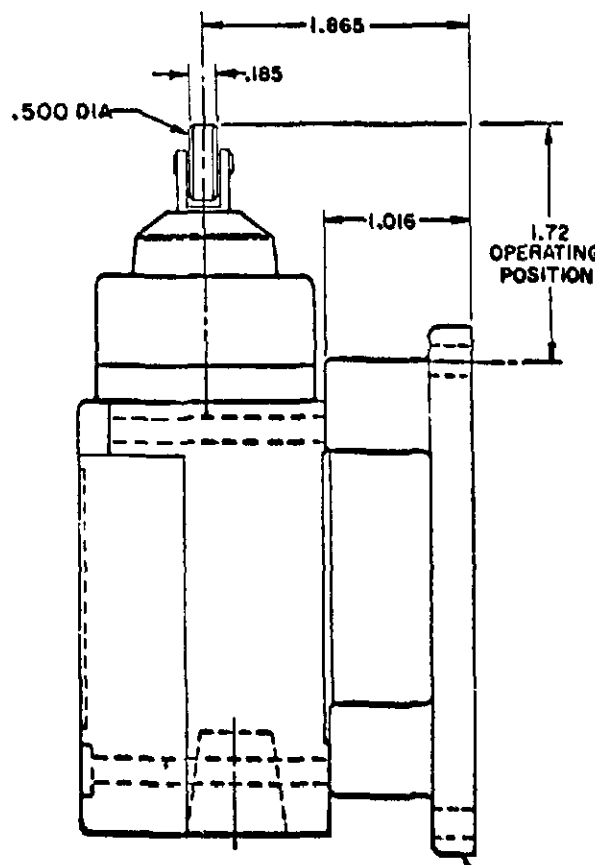
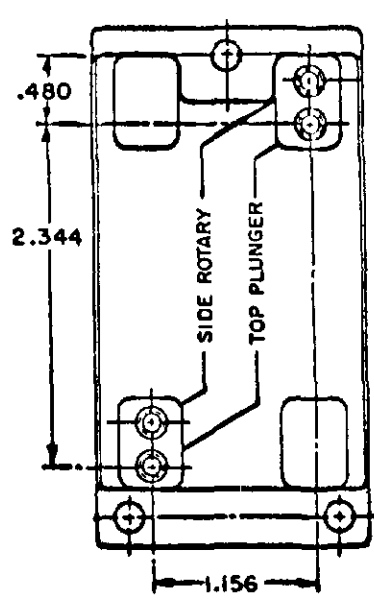
LSZ4003 CONVERSION BASE, WHEN USED WITH HEAVY DUTY LS WILL GIVE SAME TRACKING AS 201LS TYPE (LIMIT SWITCH NOT INCLUDED)

DOUBLE POLE (SIDE ROTARY) LSZ4004



LSZ4004 (FURNISHED ASSEMBLED) CONVERSION BASE, WHEN USED WITH HDLS WILL GIVE SAME TRACKING AS 301LS TYPE (LIMIT SWITCH NOT INCLUDED)

SINGLE POLE TOP PLUNGER LSZ4003



LSZ4003 CONVERSION BASE, WHEN USED WITH HDLS WILL GIVE SAME TRACKING AS 201LS TYPE (LIMIT SWITCH NOT INCLUDED)

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SWITCH - ENCLOSED

LSY SERIES
CATALOG LISTING
CHART 1

SCALE FULL
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TEMPERATURE LIMITATIONS FOR
DEVICES WITH FLUORSILICONE (LSYAB**) AND VITON (LSYAC**) SEALS

[illegible]

CODE: 1 SATISFACTORY 2 FAIR 3 DOUBTFUL 4 UNSATISFACTORY

- 1 FLUORSILICONE SEAL (LSYAB**) FOR LOW TEMPERATURE APPLICATIONS
2 VITON SEALS (LSYAC**) FOR FIRE-RESISTANT FLUIDS
3 ALL EXCEPT A60

	LOW LIMIT	HIGH LIMIT
LSYAB	-40° F	+250° F
LSYAC	+10° F	+250° F
LSYBB	-20° F	+250° F
LSYBC	+30° F	+250° F
LSYCB	-40° F	+200° F
LSYCC	+10° F	+250° F
LSYDB	-40° F	+200° F
LSYDC	+10° F	+250° F
LSYEB	- 40° F	+200° F
LSYEC	+10° F	+250° F
LSYFB	- 40° F	+200° F
LSYFC	+10° F	+250° F
LSYGB	-20° F	+200° F
LSYGC	+30° F	+250° F
LSYHB	-20° F	+250° F
LSYHC	+30° F	+250° F
LSYJB	-40° F	+250° F
LSYJC	+30° F	+250° F
LSYKB	-20° F	+250° F
LSYKC	+30° F	+250° F
LSYLB	-40° F	+250° F
LSYLC	+10° F	+250° F
LSYMB	-40° F	+250° F
LSYMC	+10° F	+250° F
LSYNB	-20° F	+250° F
LSYNC	+30° F	+250° F
LSYPB	-40° F	+250° F
LSYPC	+10° F	+250° F
LSYRB	-20° F	+250° F
LSYRC	+30° F	+250° F
LSYVB	-40° F	+200° F
LSYVC	+10° F	+250° F
LSYWB	- 40° F	+200° F
LSYWC	+10° F	+250° F

SCALE

DO NOT SCALE PRINT

UNLESS OTHERWISE
NOTED

TOLERANCES ARE IN INCHES

TOLERANCES ARE

FIN. PLAYS	(.001)	1.000
FIN. PLAYS	(.001)	1.000
FIN. PLAYS	(.001)	1.000
FIN. PLAYS	(.001)	1.000

NOT TO SCALE

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SWITCH - ENCLOSED

CATALOG LISTING
LSY SERIES
CHART 1

CATALOG LISTING		M		LSY SERIES CHART 1		PAGE 10 OF 10		10JUL07		RELEASE NO CO-78499		REPLACES LSY SERIES																																											
ISSUE		7																																																					
<table border="1"> <tr> <td colspan="2">REVISONS</td> <td colspan="2">CHECK</td> <td colspan="2">CHECK</td> <td colspan="2">CHECK</td> <td colspan="2">CHECK</td> <td colspan="2">CHECK</td> <td colspan="2">CHECK</td> </tr> <tr> <td>A</td> <td>199948</td> <td>CST</td> <td>10 JAN 00</td> <td>B</td> <td>200704</td> <td>CST</td> <td>23 JUN 00</td> <td>C</td> <td>200853</td> <td>CST</td> <td>21 JUL 00</td> <td>D</td> <td>202198</td> </tr> <tr> <td>E</td> <td>0012601</td> <td>CST</td> <td>23 JAN 01</td> <td>F</td> <td>0031956</td> <td>BS</td> <td>10JUL07</td> <td colspan="6"></td> </tr> </table>														REVISONS		CHECK		CHECK		CHECK		CHECK		CHECK		CHECK		A	199948	CST	10 JAN 00	B	200704	CST	23 JUN 00	C	200853	CST	21 JUL 00	D	202198	E	0012601	CST	23 JAN 01	F	0031956	BS	10JUL07						
REVISONS		CHECK		CHECK		CHECK		CHECK		CHECK		CHECK																																											
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GJW		24 AUG 91		JAF		12 SEP 94		JAF		10JUL07		10JUL07																																											

RASTER

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