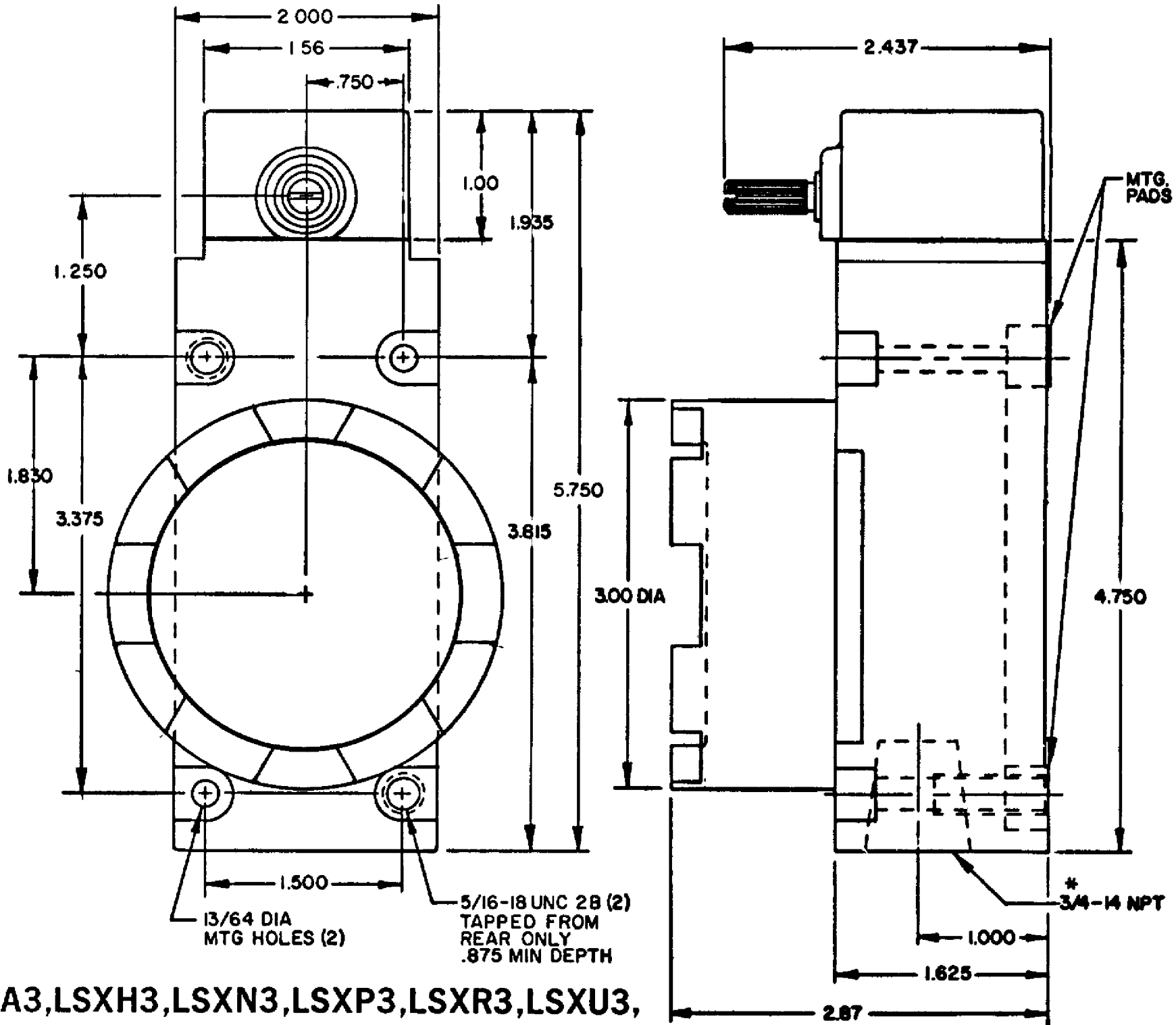
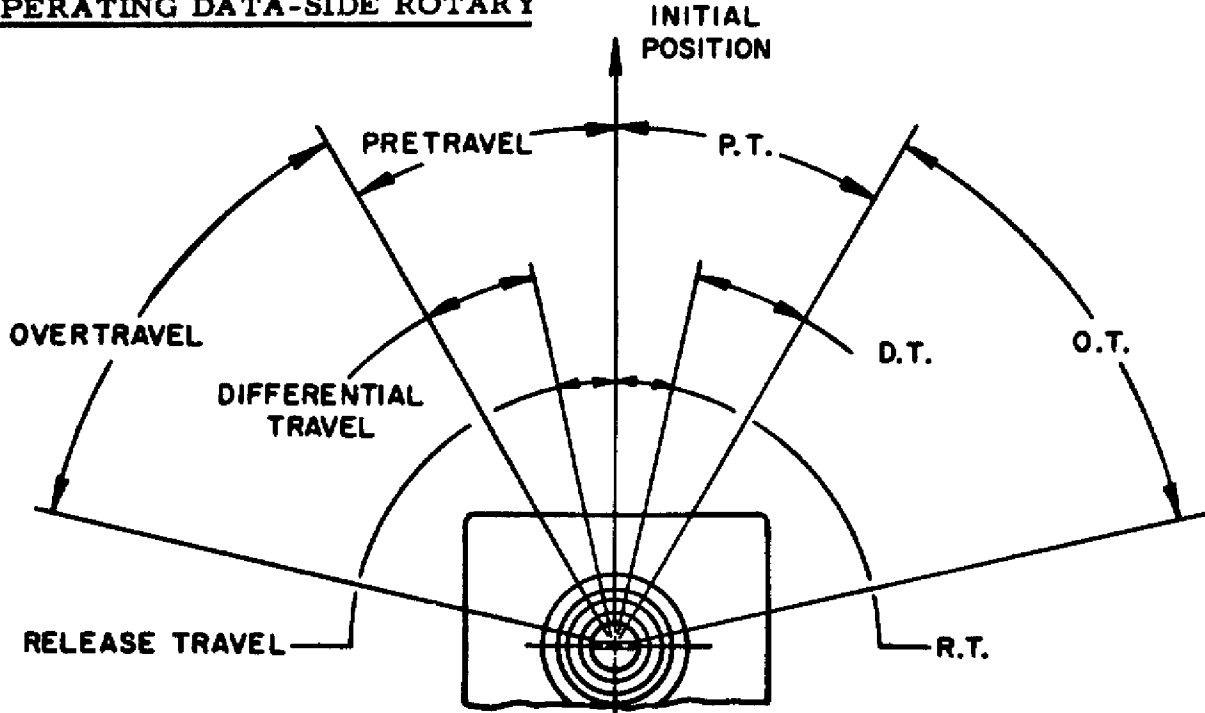


SIDE ROTARY

NOTE

1 - EXPLOSION PROOF-UNDERWRITERS LAB INC. LISTED FOR HAZARDOUS LOCATIONS CLASS I, GROUPS B,C, AND D; CLASS II GROUPS E,F AND G

OPERATING DATA-SIDE ROTARY



TYPE LSXA3,LSXH3,LSXN3,LSXP3,LSXR3,LSXU3,
 LSXA4,LSXH4,LSXN4,LSXP4,LSXR4 and LSXM4 and LSXU4
 *(LSXA3,LSXH3,LSXN3 LSXP3,LSXR3 and LSXU3
 HAVE 1/2-14 NPT CONDUIT OPENINGS)

ELECTRICAL RATINGS

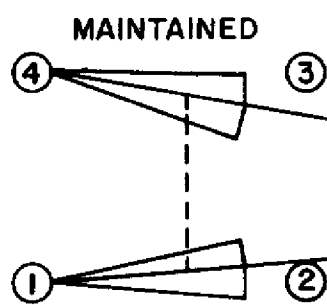
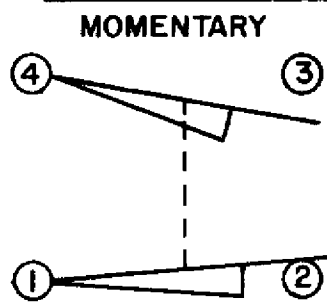
10 AMP CONT.

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

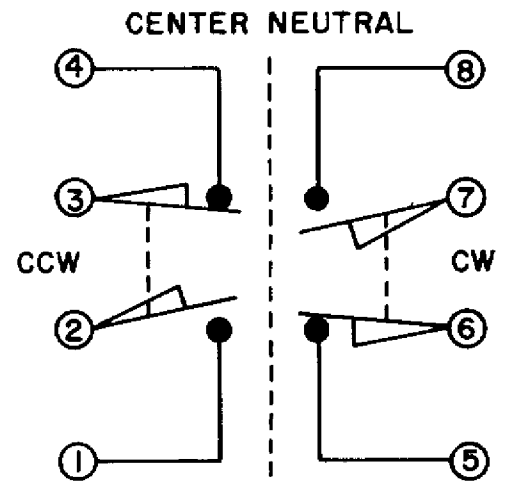
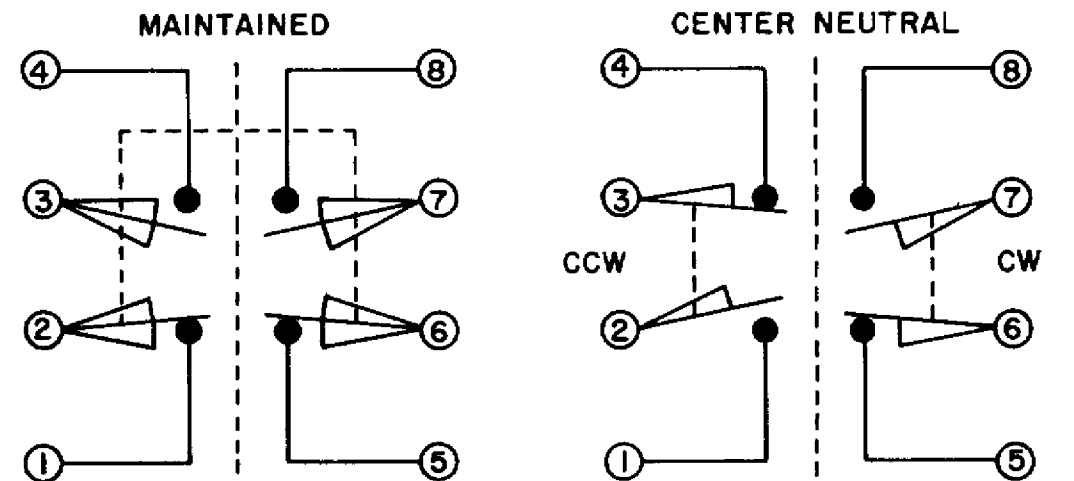
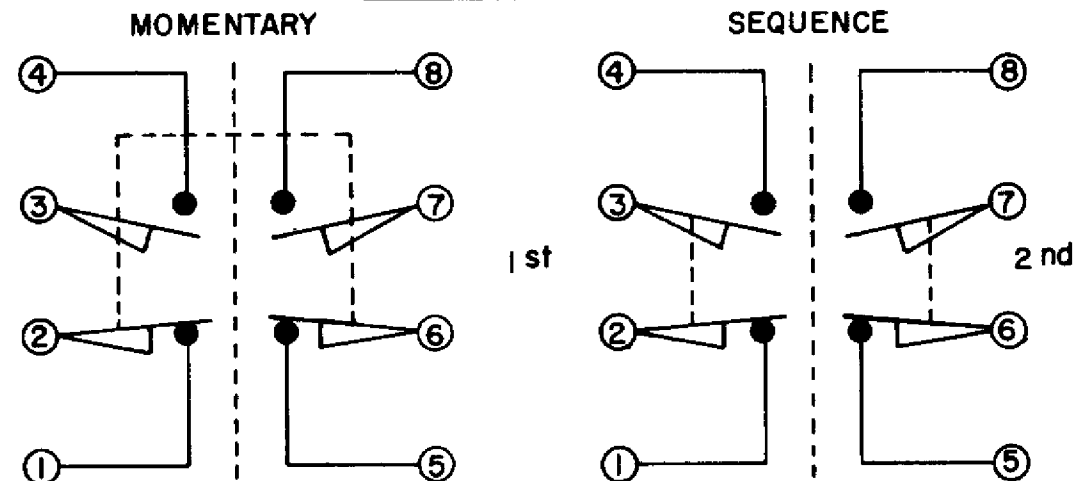
D.C. VOLTAGE	MAKE & BREAK INDUCTIVE	RESISTIVE
120	0.25	0.80
240	0.15	0.40

WIRING BASIC SWITCH (SAME POLARITY MUST BE OBSERVED)

SINGLE POLE



DOUBLE POLE



OPERATING CHARACTERISTICS	LSXA MOMENTARY	LSXR MOMENTARY LOW TORQUE	LSXN MAINTAINED	LSXP MOMENTARY LOW PRETRAVEL AND DIFF. TRAVEL	LSXH MOMENTARY LOW PRETRAVEL AND LOW TORQUE	LSXL SEQUENCE DOUBLE POLE ONLY	LSXM CENTRAL NEUTRAL DOUBLE POLE ONLY	LSXU LOW PRETRAVEL
PRETRAVEL (MAX)	15°	15°	65°	9°	9°	1st Step 15° 2nd Step 10° Additional	18°	5°
OVERTRAVEL (MIN)	60°	60°	20°	68°	68°	48°	57°	70°
DIFFERENTIAL TRAVEL (MAX)	Single Pole 5° Double Pole 7°	Single Pole 5° Double Pole 7°	40°	Single Pole 3° Double Pole 4°	Single Pole 3° Double Pole 4°	5°	10°	Single Pole 5° Double Pole 4°
TOTAL TRAVEL (REF)	75°	75°	90°	75°	75°	75°	75°	75°
OPERATING TORQUE (MAX)	4 IN. LBS	1.7 IN. LBS	4 IN. LBS	4 IN. LBS	1.7 IN. LBS	4 IN. -LBS	4 IN. - LBS.	4 IN. LBS
FULL TRAVEL TORQUE (MAX)	4 IN. LBS	1.7 IN. LBS	—	4 IN. LBS	1.7 IN. LBS	4 IN. -LBS	4 IN. - LBS	4 IN. LBS

MICRO SWITCH
 a Honeywell Division
 FED. REG. CODE 91929

SWITCH - ENCLOSED

LSX SERIES

CHART 1

M LSX SERIES
 CHART 1
 PAGE 1 OF 3

PAGE 1 OF 3

SCALE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED

TOLERANCES ARE

ONE PLACE (0) ±.020

TWO PLACES (00) ±.015

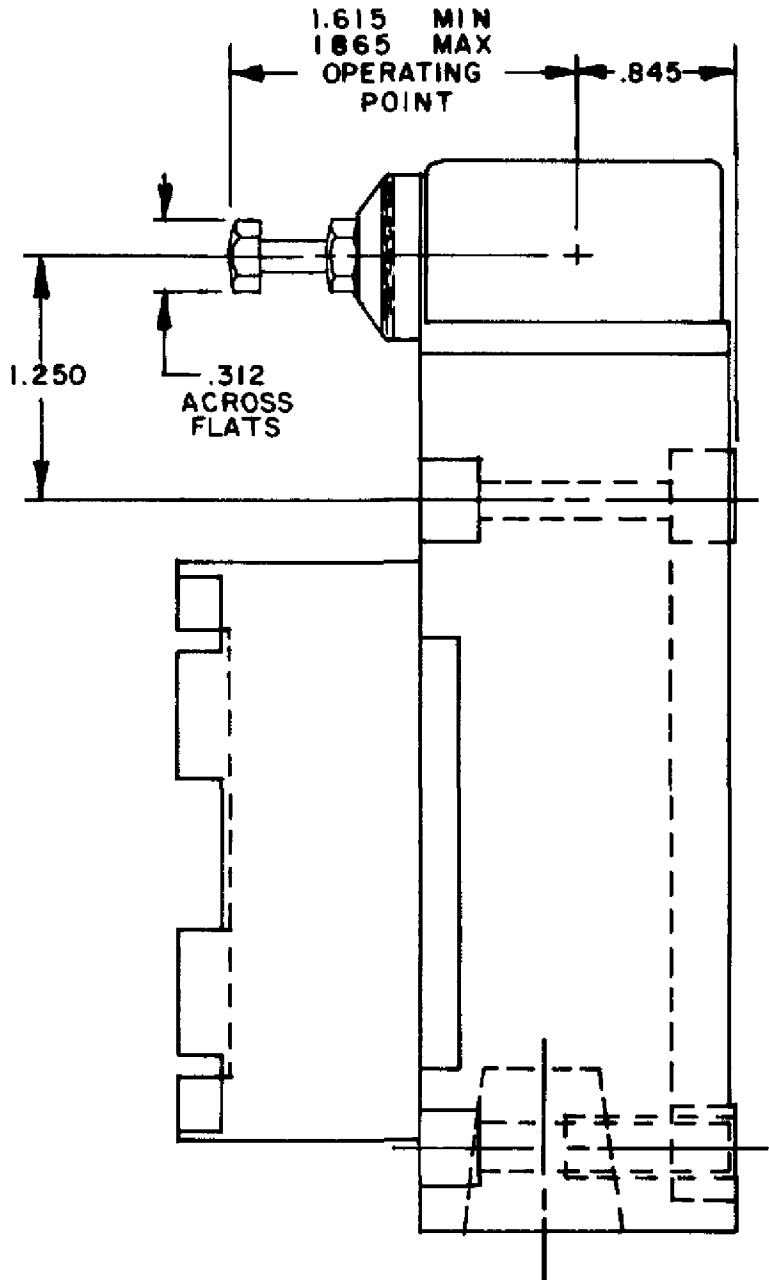
THREE PLACES (000) ±.005

ANGLES

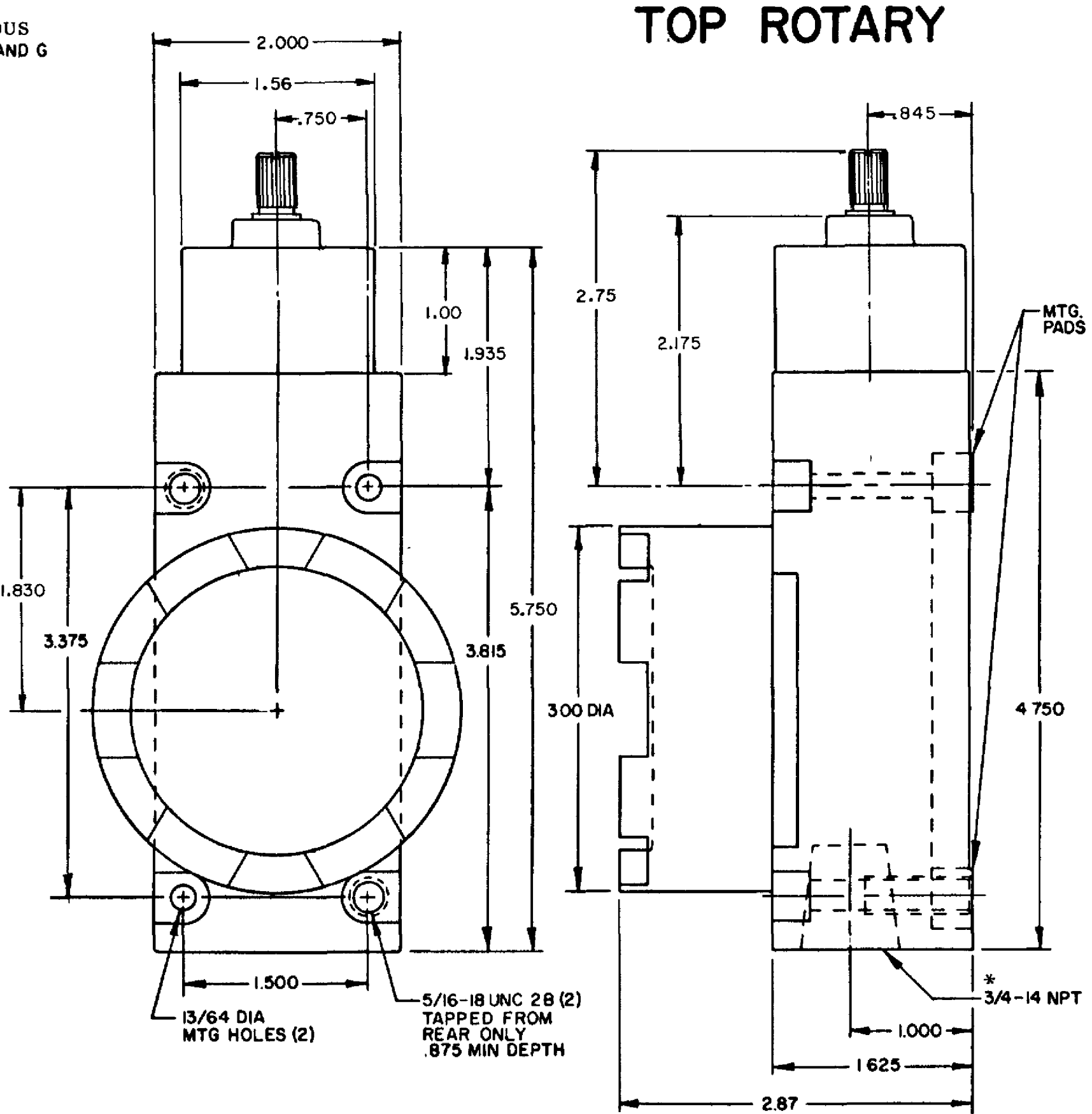
THIRD ANGLE PROJECTION

NOTE
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	SINGLE POLE	DOUBLE POLE
PRETRAVEL MAX	35°	35°
OVERTRAVEL MIN	100°	100°
DIFFERENTIAL TRAVEL MAX	8°	12°
OPERATING TORQUE MAX	2.5 IN. LBS.	2.5 IN. LBS.
TOTAL TRAVEL (REF)	135°	135°

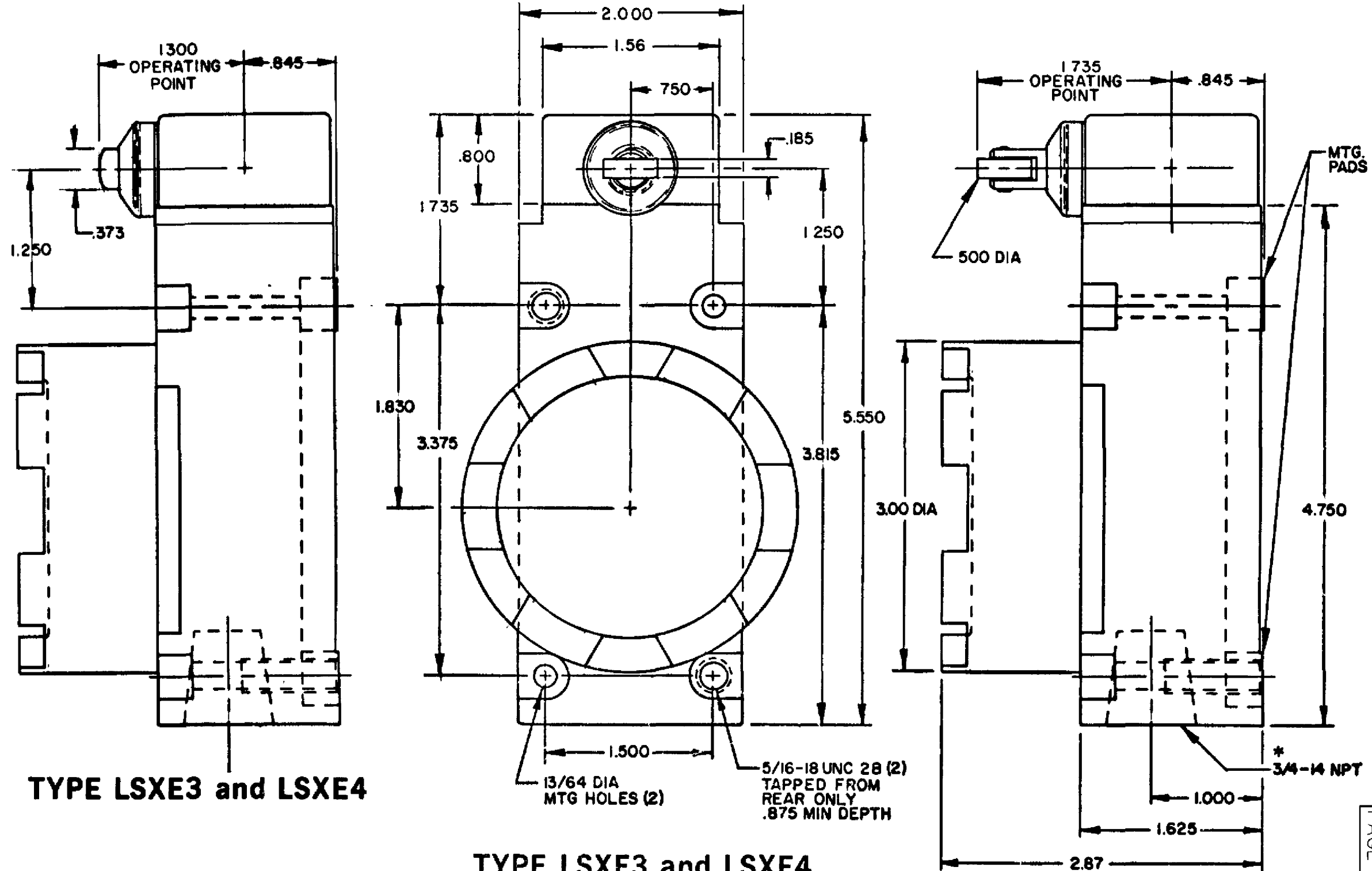


TYPE LSXW3 and LSXW4



TYPE LSXB3 and LSXB4 (LSXB3 HAS A 1/2-14 NPT CONDUIT OPENING)

SIDE PLUNGER TYPE



TYPE LSXE3 and LSXE4

TYPE LSXF3 and LSXF4

*(LSXE3 and LSXF3 HAVE 1/2-14 NPT CONDUIT OPENINGS)

MICRO SWITCH

a Honeywell Division

FED. MFG. CODE 81828

SWITCH - ENCLOSED

LSX SERIES

CHART 1

PAGE 2 OF 3

CATALOG LISTING

THIRD ANGLE PROJECTION

DO NOT SCALE PRINT

TOLERANCES

APPLY TO DIMENSIONS UNLESS OTHERWISE SPECIFIED

ALL DIMENSIONS ARE IN INCHES

DECIMALS: .005, .010, .015, .020, .025, .030, .035, .040, .045, .050, .055, .060, .065, .070, .075, .080, .085, .090, .095, .100

FRAC: 1/32, 1/16, 1/8, 1/4, 1/2, 3/4, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

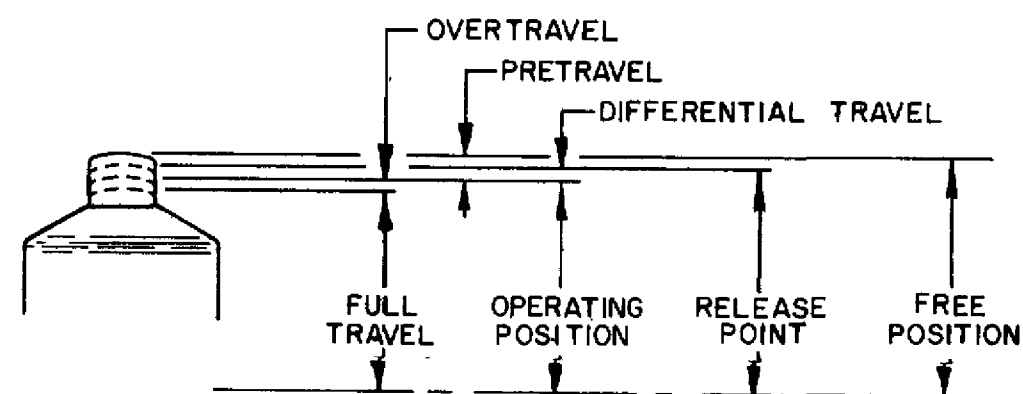
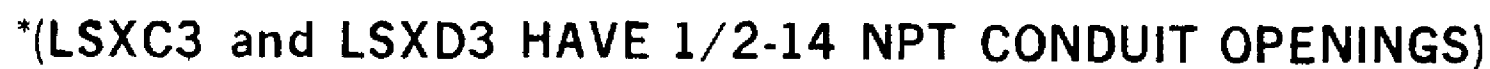
DESIGN UNITS

ALL DIMENSIONS ARE IN INCHES

DECIMALS: .005, .010, .015, .020, .025, .030, .035, .040, .045, .050, .055, .060, .065, .070, .075, .080, .085, .090, .095, .100

FRAC: 1/32, 1/16, 1/8, 1/4, 1/2, 3/4, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

CATALOG LISTING
LSX SERIES CHART 1
PAGE 3 OF 4



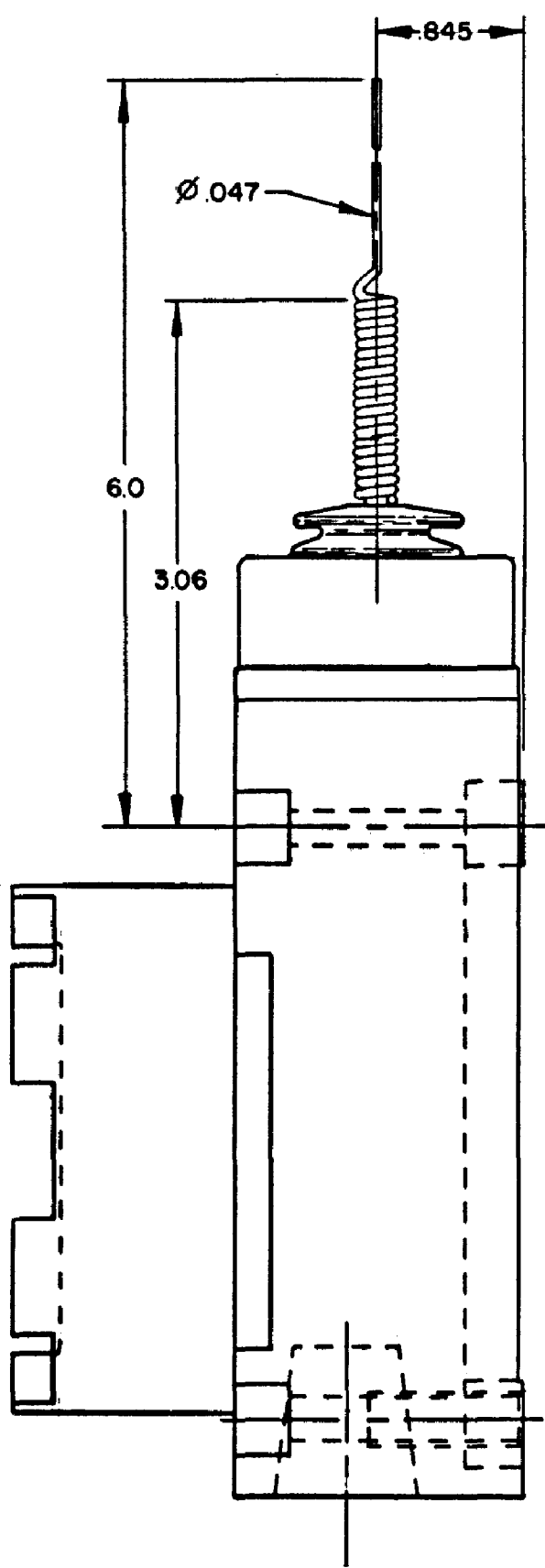
OPERATING POINT GIVEN
IN RELATION TO
TOP MOUNTING HOLES

OPERATING POINT GIVEN IN
RELATION TO CENTER OF HEAD

CHARACTERISTICS	LSXE PLUNGER	LSXF ROLLER PLUNGER	LSXW ADJUSTABLE PLUNGER	SEQUENCE BASIC		
				LSXE	LSXF	LSXW
PRETRAVEL (MAX)	.100	.100	.100	1ST STEP .100 2ND STEP .020 MIN ADD'L		
DIFFERENTIAL TRAVEL (MAX)	.045	.045	.045	.025 EACH STEP		
OVERTRAVEL (MIN)	.190	.190	.190	.170		
OPERATING FORCE (MAX)	6 LBS	6 LBS	6 LBS	6 LBS		
OPERATING POINT	1.300 ± .030	1.735 ± .040	1.615 MIN 1.865 MAX	1ST STEP 1.310±.030 1.745±.040 1.625 MIN / 1.875 MAX		
FULL OVERTRAVEL FORCE (MAX)	6 LBS	6 LBS	6 LBS	6 LBS		

NOTE
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LOCATIONS CLASS I, GROUPS B,C, AND D; CLASS II GROUPS E,F AND G

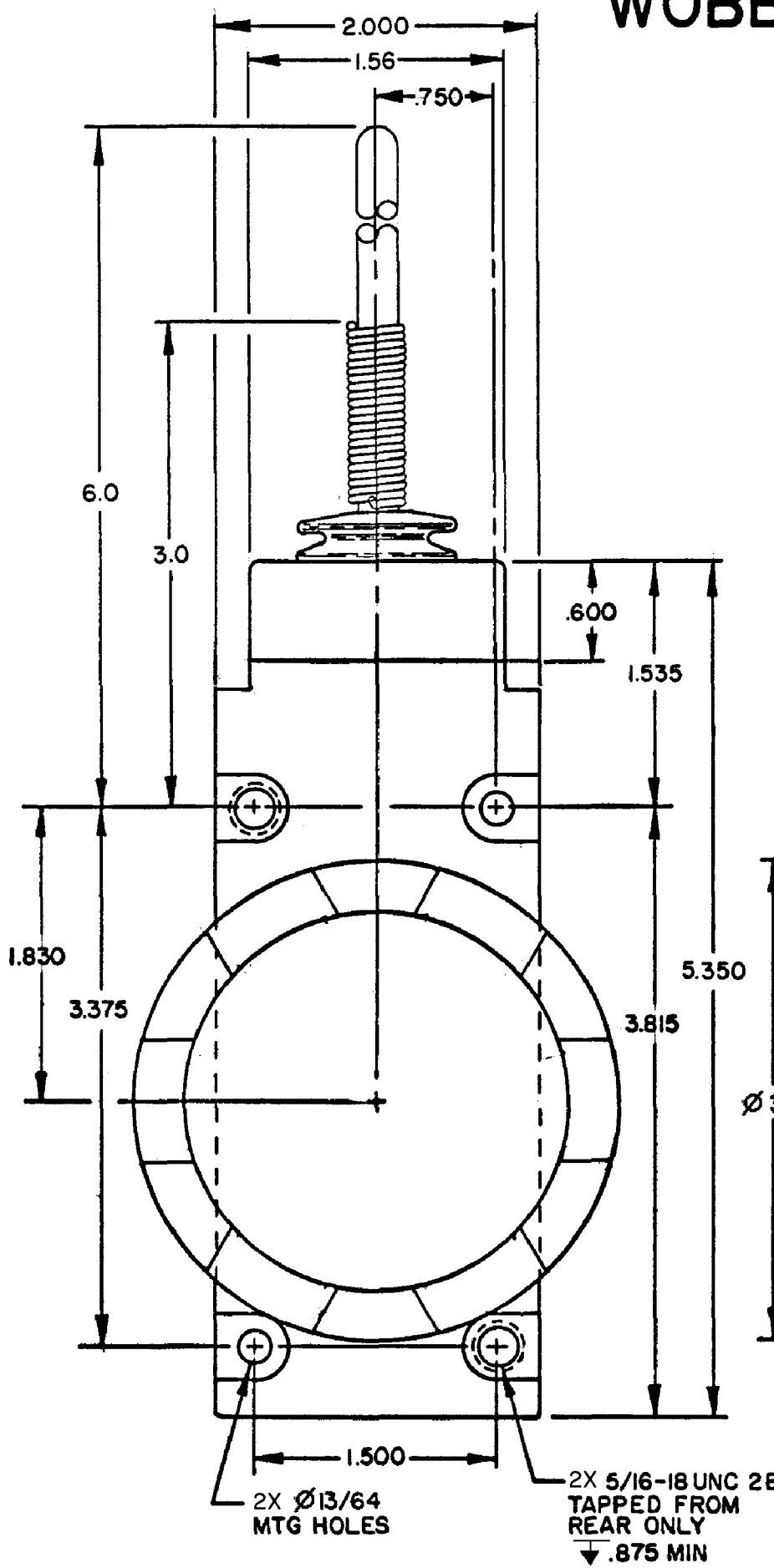
CAT WHISKER



WIRE EXTENSION
TYPE 8A ACTUATOR

TYPE LSXK3 and LSXK4
(LSXK3 HAS 1/2-14 NPT CONDUIT OPENING)
REPLACEMENT ACTUATOR
LSXZ-4012

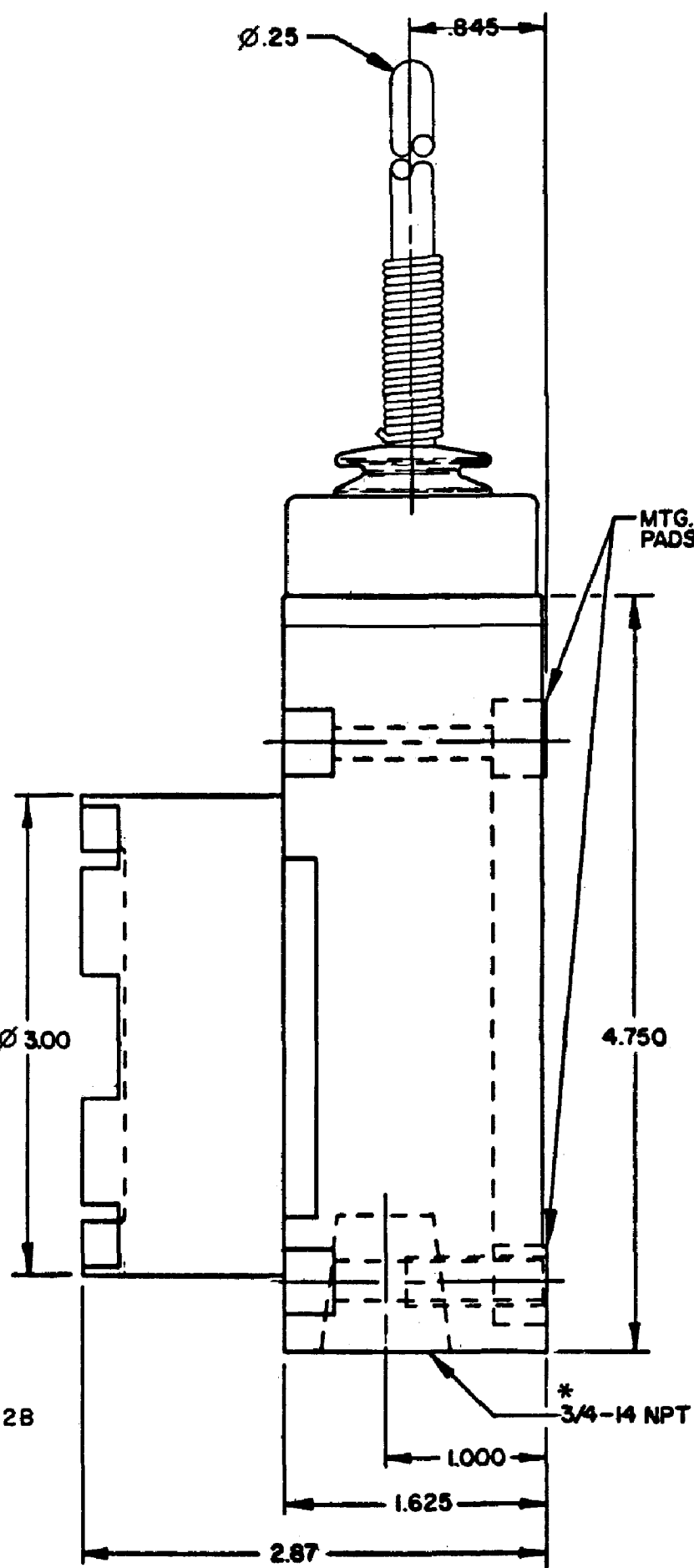
WOBBLE STICK



PLASTIC EXTENSION
TYPE 7A ACTUATOR

TYPE LSXJ3 and LSXJ4
(LSXJ3 HAS 1/2-14 NPT CONDUIT OPENING)

REPLACEMENT ACTUATOR
LSZ-4009



NOTE
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LOCATIONS CLASS I, GROUPS B,C, AND D; CLASS II GROUPS E,F AND G

	CAT WHISKER	WOBBLE STICK
PRETRAVEL (APPROX)	6" WIRE	ROD
IN. RADIUS	2	1.0
OPERATING FORCE - OZ (MAX)	5.0	10.0

MASTER REDUCED

MICRO SWITCH
a Honeywell Division

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SWITCH - ENCLOSED

LSX SERIES CHART 1

CATALOG LISTING

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE (0) ±.030

TWO PLACES (00) ±.015

THREE PLACES (000) ±.005

ANGLES ±

WEIGHT