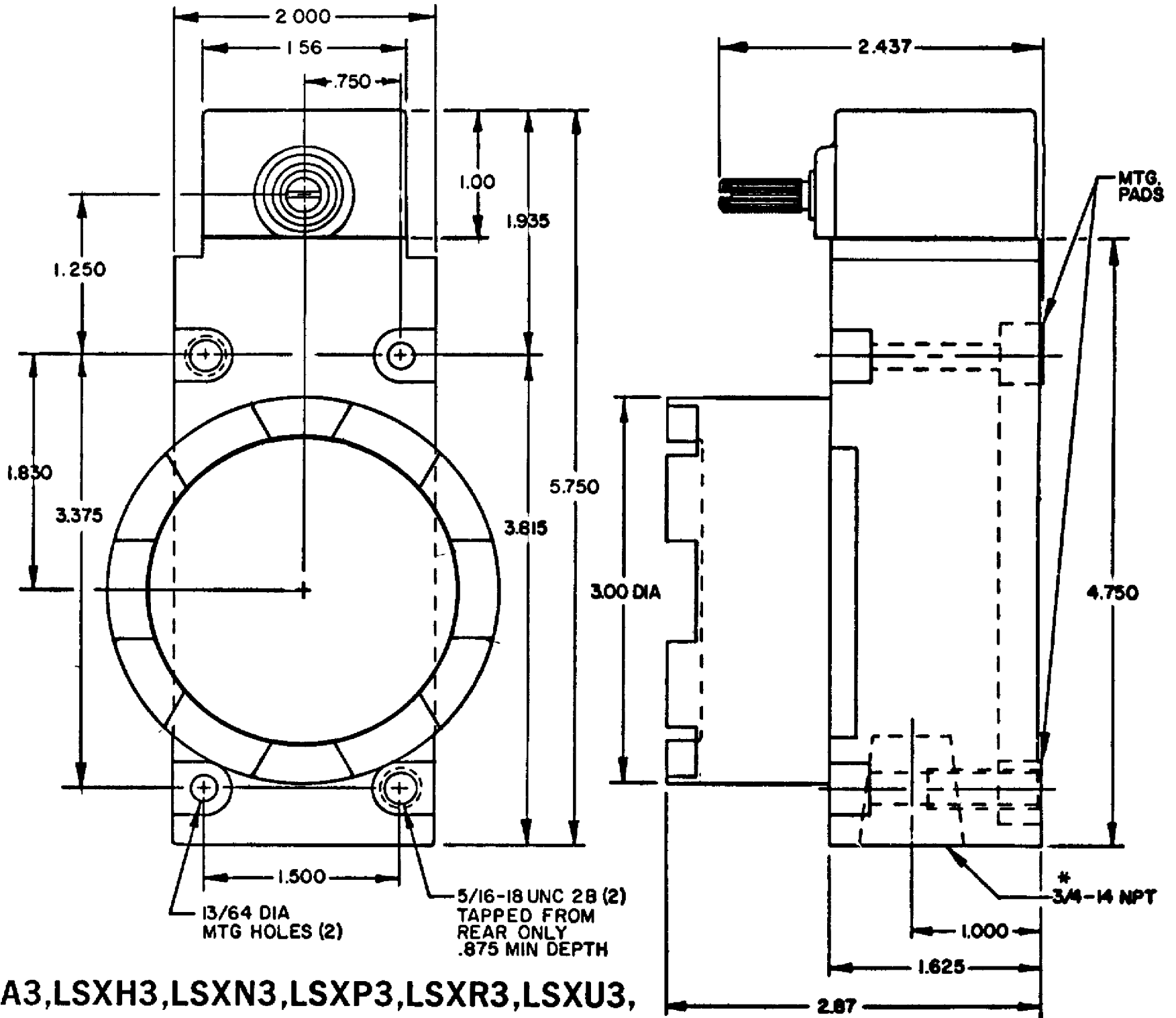
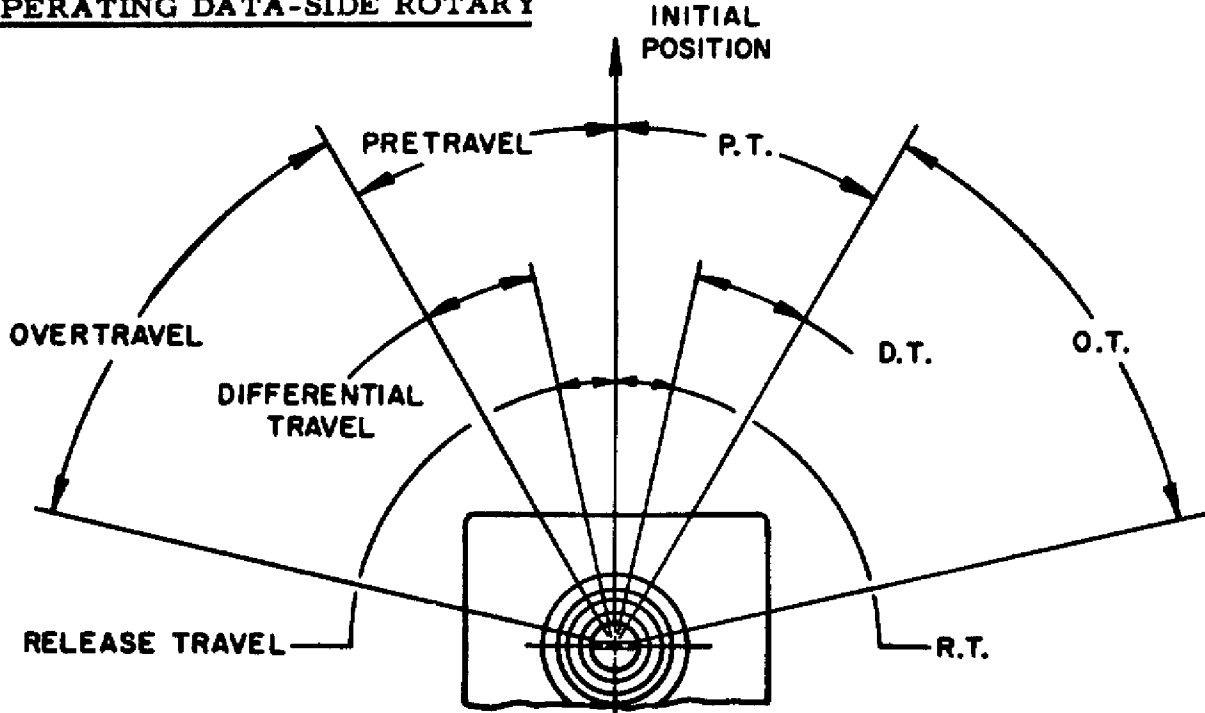


SIDE ROTARY

NOTE

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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

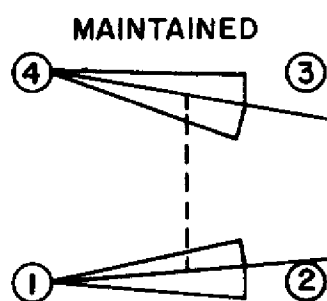
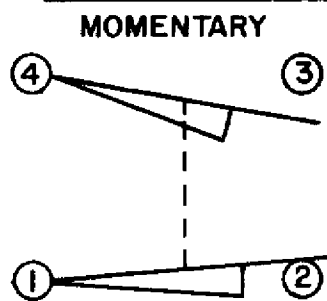
10 AMP CONT.

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

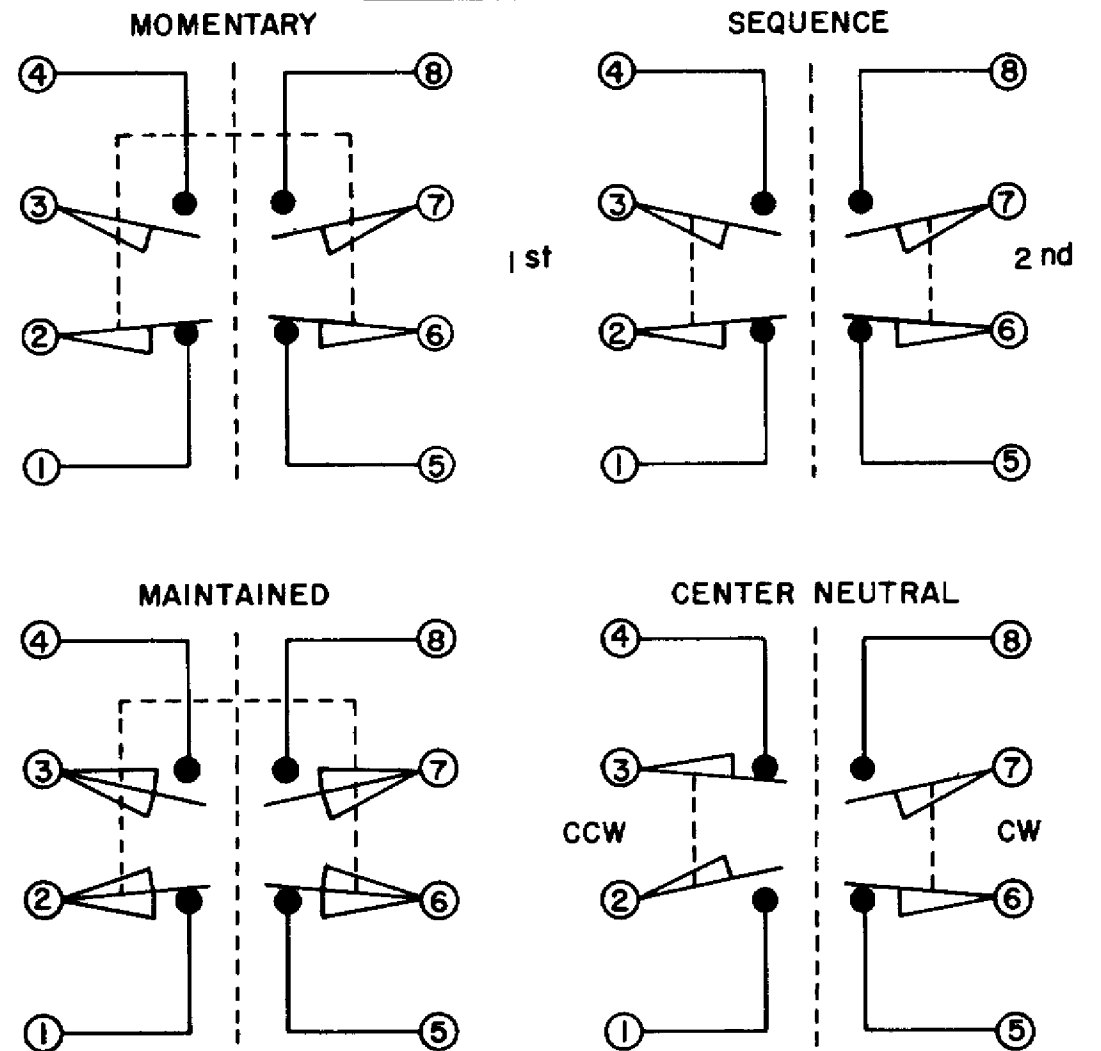
D.C. VOLTAGE	MAKE & BREAK INDUCTIVE	RESISTIVE
120	0.25	0.80
240	0.15	0.40

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

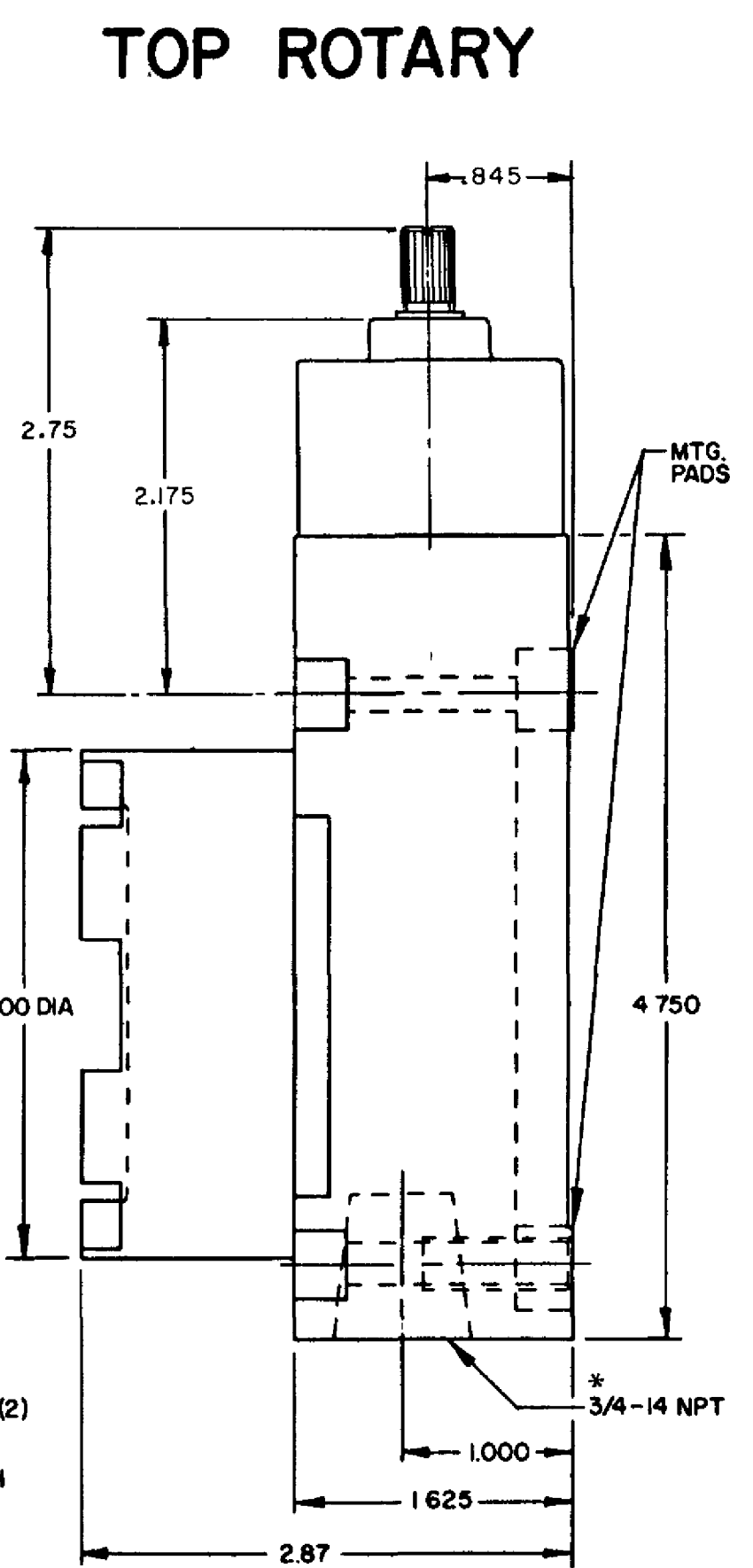
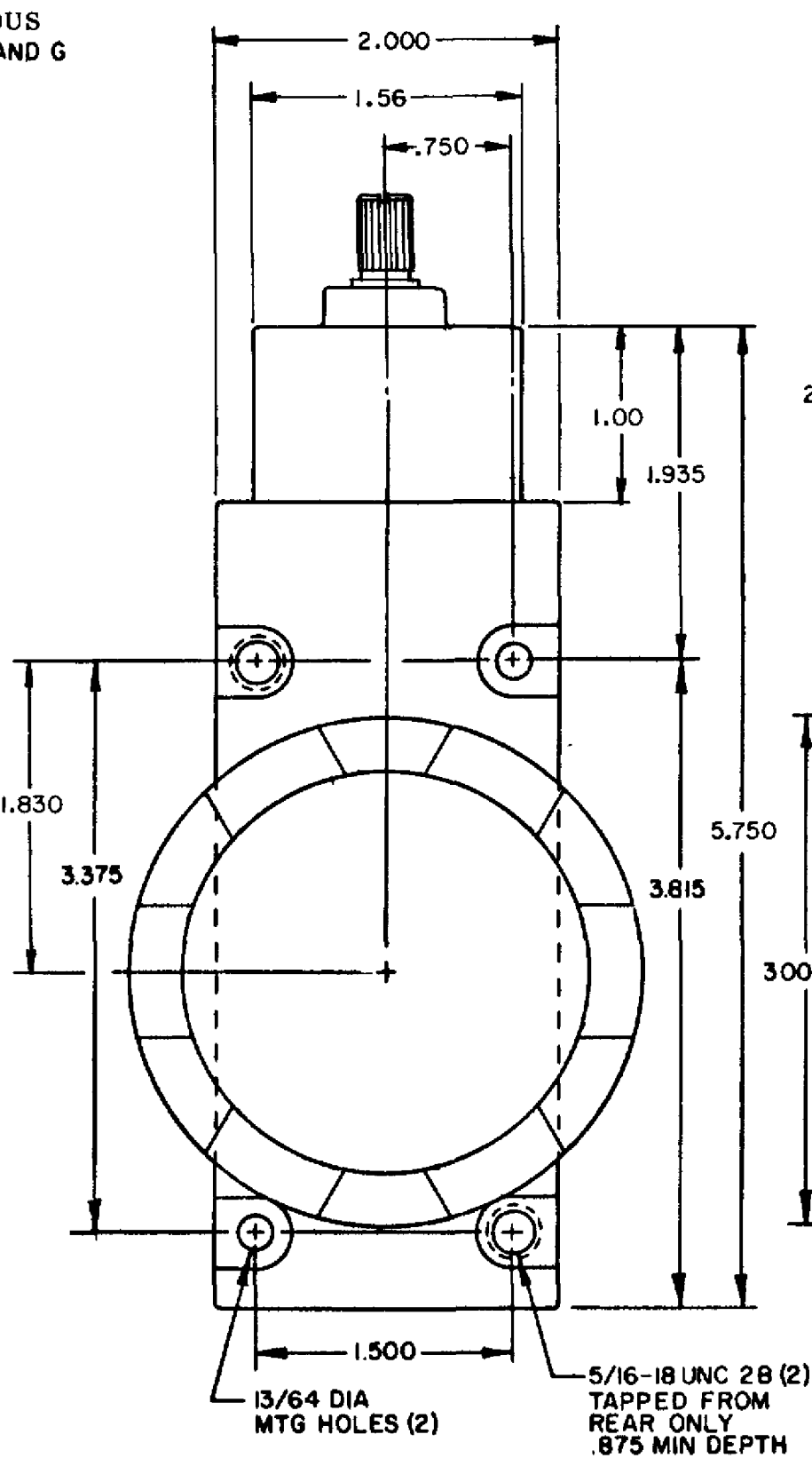
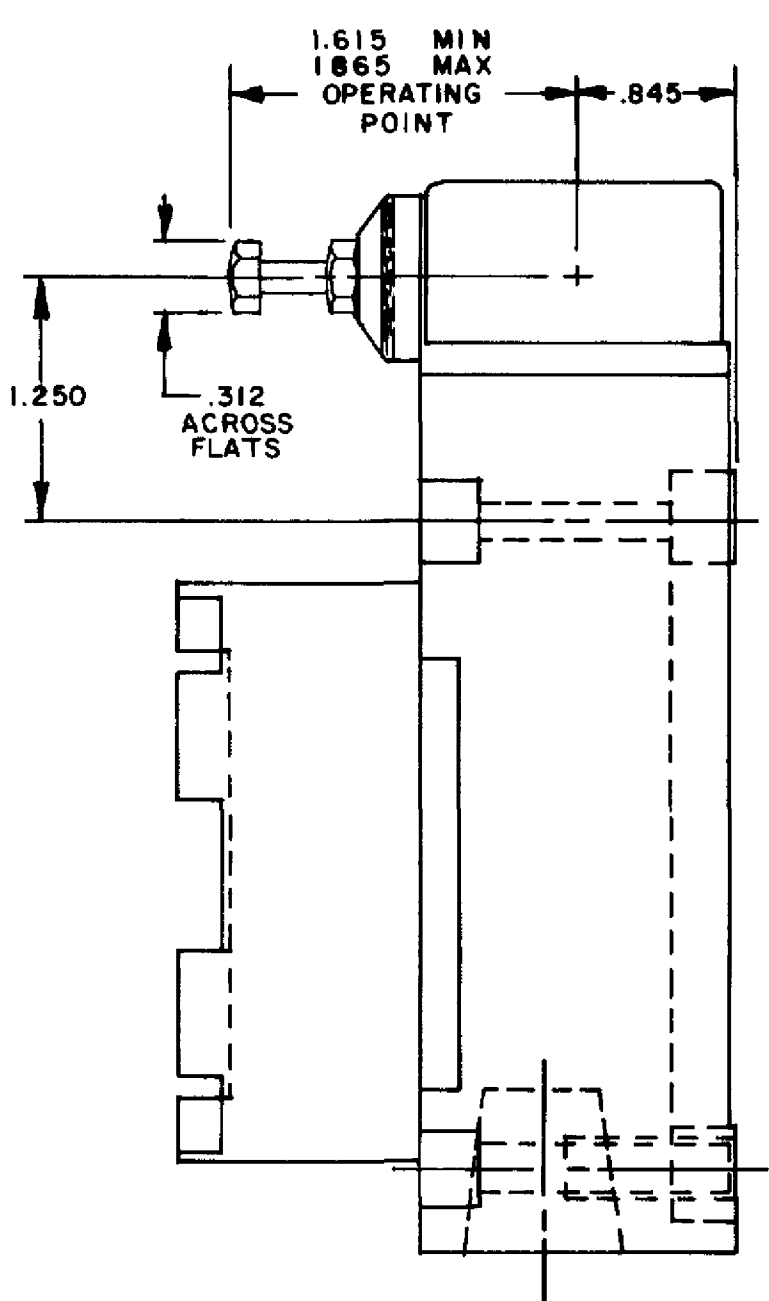
PAGE 1 OF 3

DO NOT SCALE PRINT
UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE:
ONE PLACE .100 ±.020
TWO PLACES .100 ±.015
THREE PLACES .1000 ±.005
ANGLES
THIRD ANGLE PROJECTION

M LSX SERIES
 CHART 1
 PAGE 1 OF 3

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

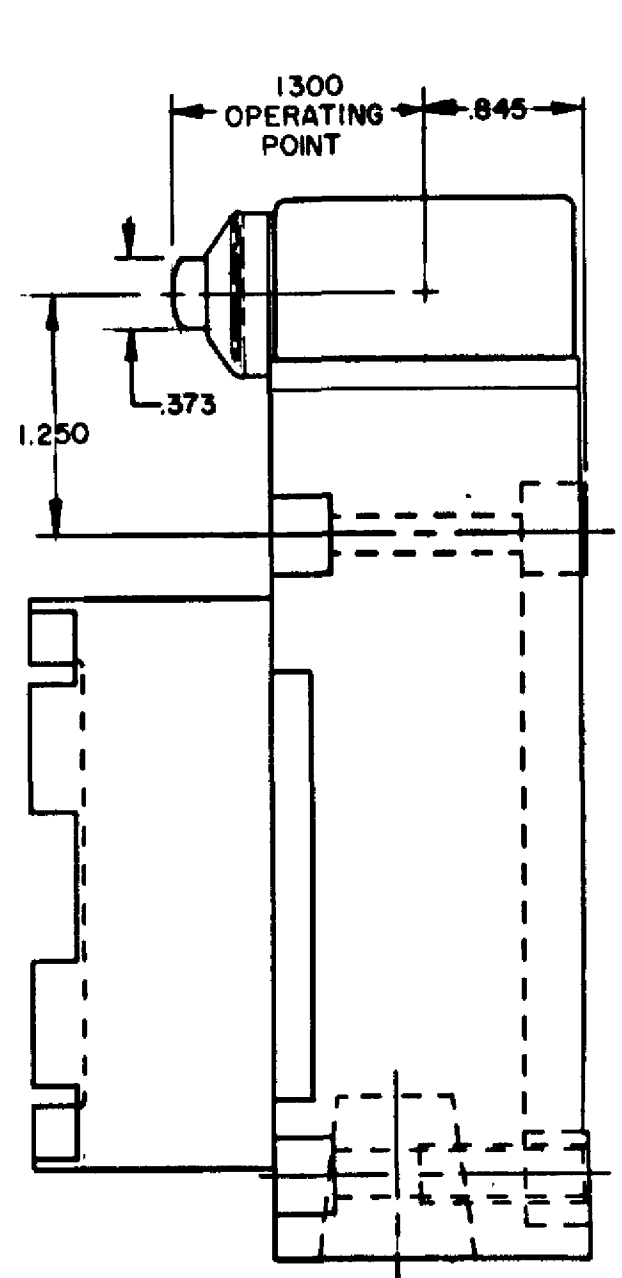
	SINGLE POLE	DOUBLE POLE
PRETRAVEL MAX	35°	35°
OVERTRAVEL MIN	100°	100°
DIFFERENTIAL TRAVEL MAX	8°	12°
OPERATING TORQUE MAX	2.5 IN. LBS.	2.5 IN. LBS.
TOTAL TRAVEL (REF)	135°	135°



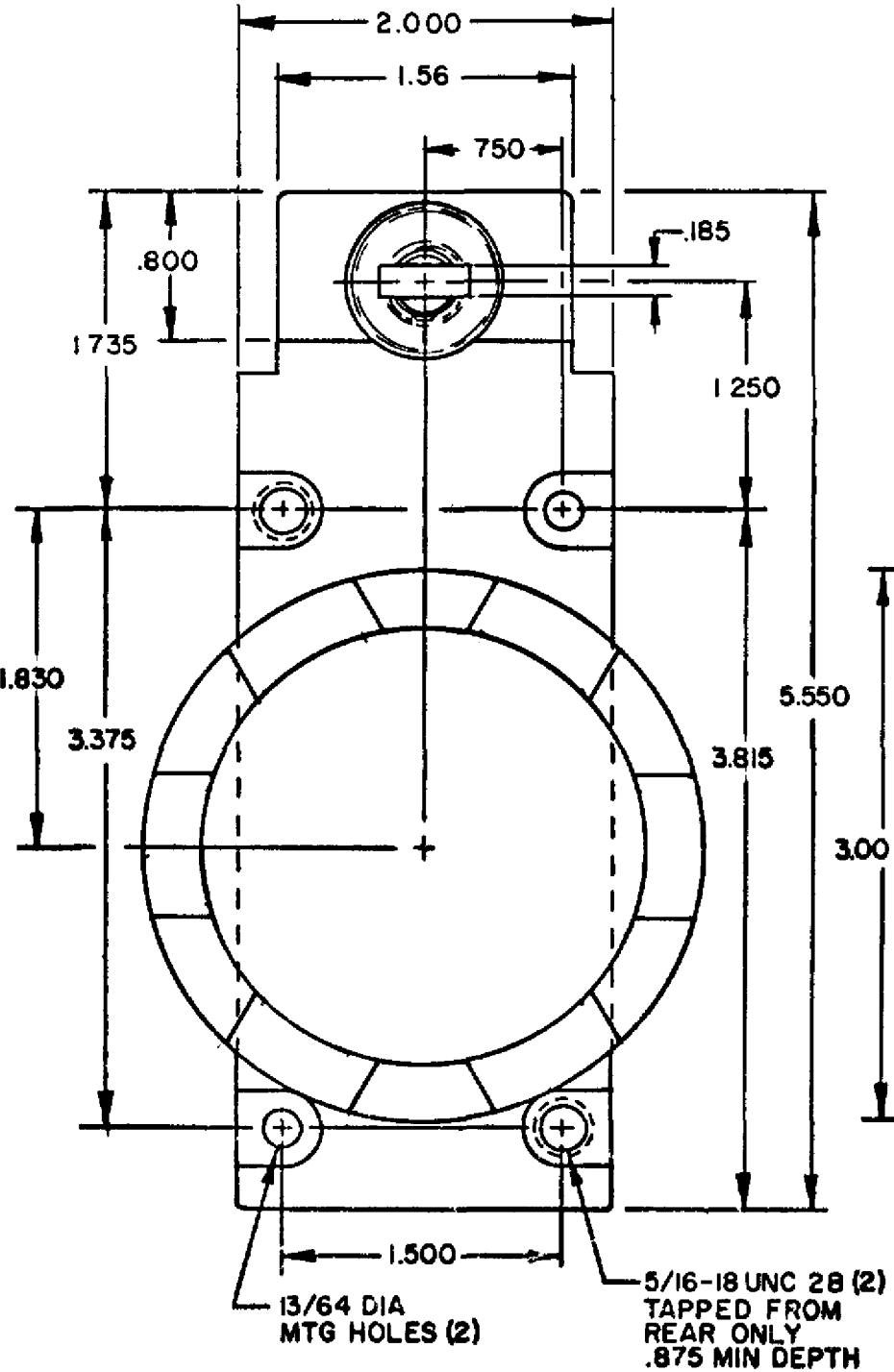
TYPE LSXB3 and LSXB4 (LSXB3 HAS A 1/2-14 NPT CONDUIT OPENING)

TYPE LSXW3 and LSXW4

SIDE PLUNGER TYPE

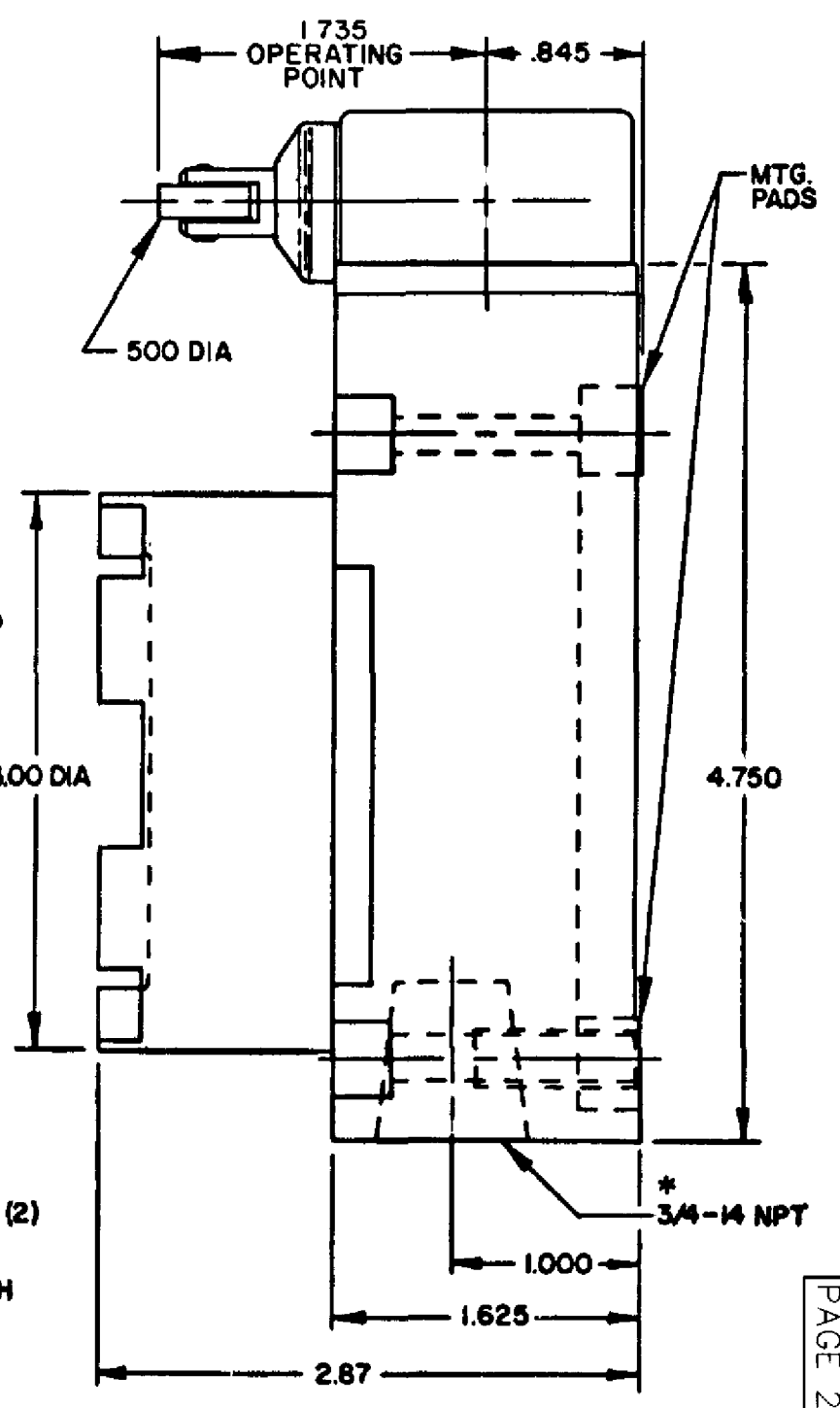


TYPE LSXE3 and LSXE4



TYPE LSXF3 and LSXF4

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



MICRO SWITCH

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SWITCH - ENCLOSED

LSX SERIES

CHART 1

PAGE 2 OF 3

DESIGN UNITS

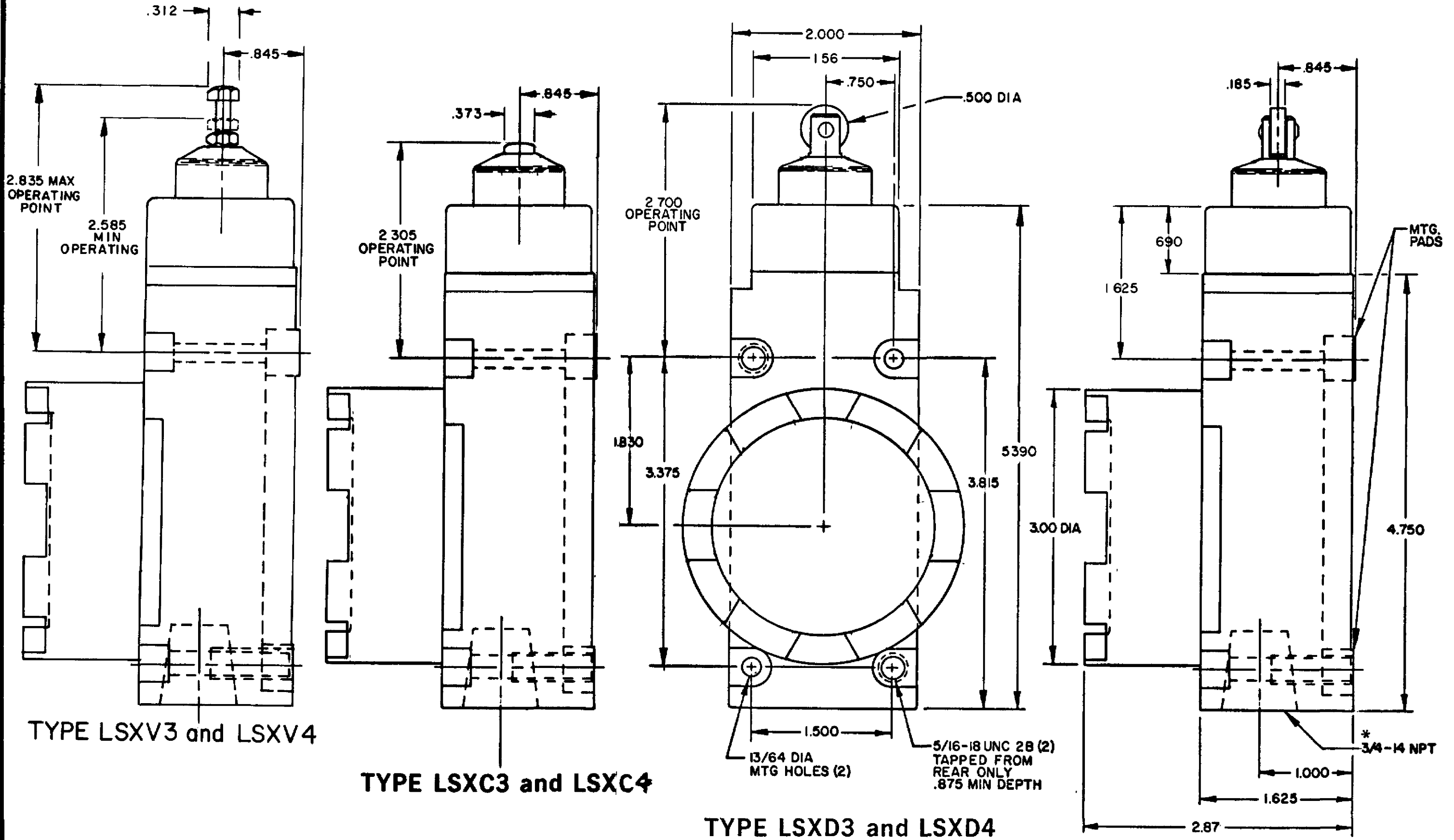
DO NOT SCALE PRINT

SCALE

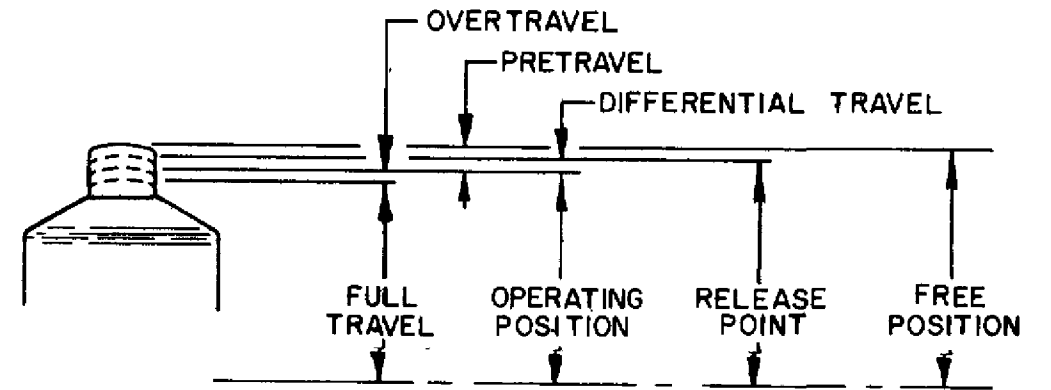
THIRD ANGLE PROJECTION

WEIGHT

PLUNGER TYPE TOP



*(LSXC3 and LSXD3 HAVE 1/2-14 NPT CONDUIT OPENINGS)



TOP PLUNGER TYPES

OPERATING POINT GIVEN IN RELATION TO TOP MOUNTING HOLES

CHARACTERISTICS	LSXC PLUNGER		LSXD ROLLER PLUNGER		LSXV ADJUSTABLE PLUNGER		SEQUENCE BASIC
							LSXC LSXD LSXV
PRETRAVEL (MAX)	.070		.070		.070		1ST STEP .070
DIFFERENTIAL TRAVEL (MAX)	SINGLE POLE	DOUBLE POLE	SINGLE POLE	DOUBLE POLE	SINGLE POLE	DOUBLE POLE	2ND STEP .016 MIN ADD'L
OVERTRAVEL (MIN)	.190		.190		.190		.015 EACH STEP
OPERATING FORCE (MAX)	4 LBS		4 LBS		4 LBS		4 LBS
OPERATING POINT	2.305 ± .030		2.700 ± .040		2.585 MIN 2.835 MAX		1ST STEP
FULL OVERTRAVEL FORCE (MAX)	7 LBS		7 LBS		7 LBS		1.815±.030 2.210±.040 2.095 MIN / 2.345 MAX

SIDE PLUNGER TYPES

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
DIFFERENTIAL TRAVEL (MAX)	.045	.045	.045	2ND STEP .020 MIN ADD'L
OVERTRAVEL (MIN)	.190	.190	.190	.025 EACH STEP
OPERATING FORCE (MAX)	6 LBS	6 LBS	6 LBS	.170
OPERATING POINT	1.300 ± .030	1.735 ± .040	1.615 MIN 1.865 MAX	1ST STEP
FULL OVERTRAVEL FORCE (MAX)	6 LBS	6 LBS	6 LBS	1.310±.030 1.745±.040 1.625 MIN / 1.875 MAX

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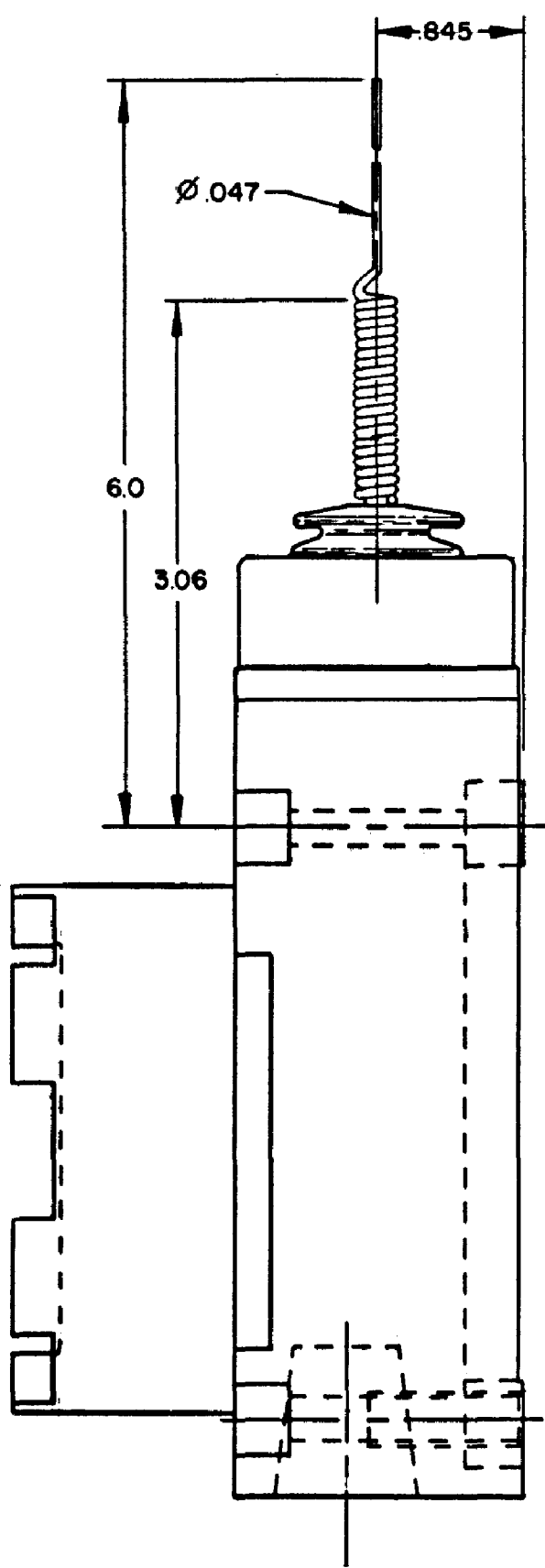
MICRO SWITCH
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 FED. REG. CODE 91829

SWITCH - ENCLOSED
 PAGE 3 OF 3

LSX SERIES
 CHART 1

DESIGN UNITS: INCHES
 TOLERANCES: FRACTIONS
 DIMENSIONS: TO CENTER UNLESS NOTED OTHERWISE
 FINISH: UNLESS NOTED OTHERWISE
 MATERIAL: UNLESS NOTED OTHERWISE
 WEIGHT: APPROXIMATE

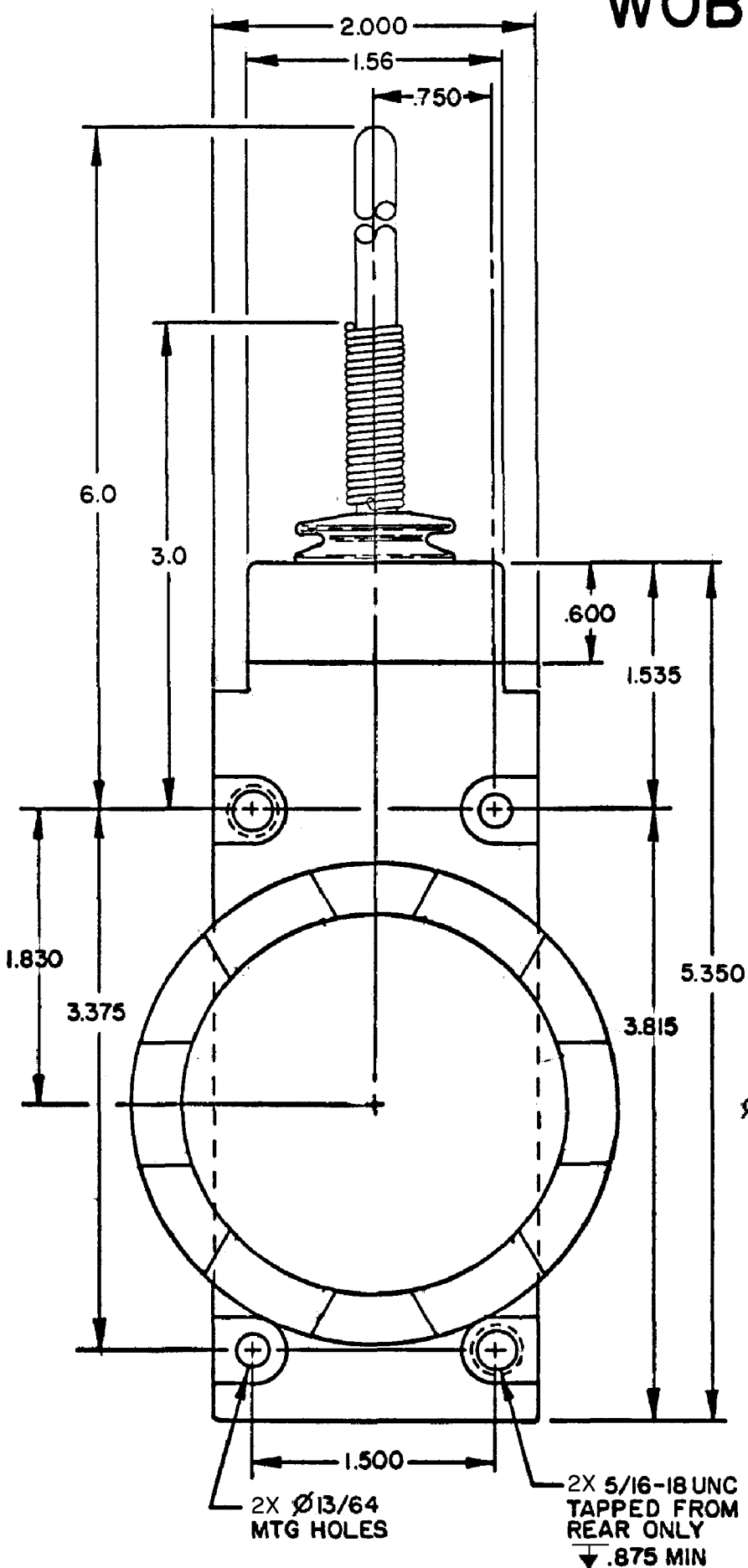
CAT WHISKER



WIRE EXTENSION
TYPE 8A ACTUATOR

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

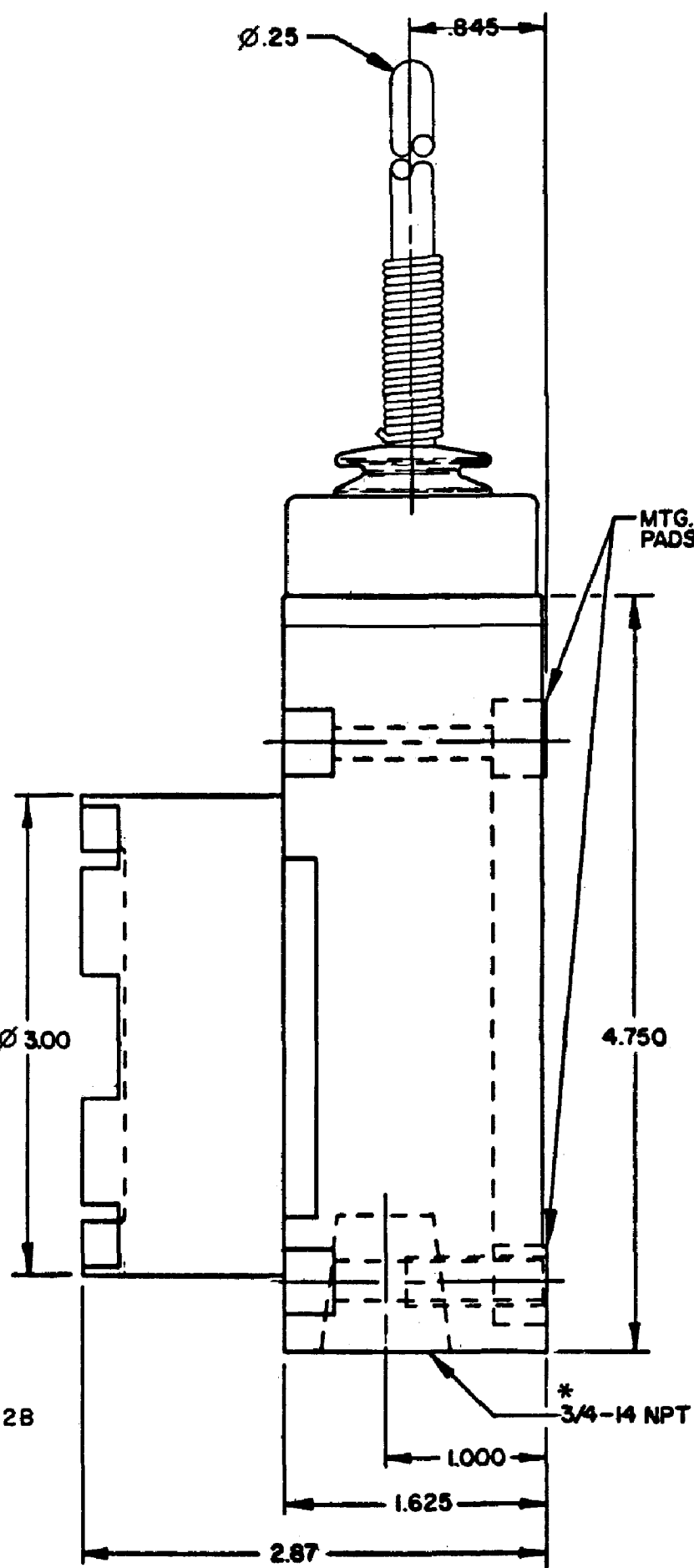
WOBBLE STICK



PLASTIC EXTENSION
TYPE 7A ACTUATOR

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

REPLACEMENT ACTUATOR
LSZ-4009



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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

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LSX SERIES CHART 1

CATALOG LISTING

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TWO PLACES (1.00) ±.015
THREE PLACES (1.000) ±.005
ANGLES ±
WEIGHT

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