



- 1NO/1NC Contacts
- Quick Make, Quick Break, Single Pole, Double Throw (SPDT)
- Rocker-Type SNAP-LOCK® Technology
- Mechanical Travel of 10° to trip
- Compact Size
- Two Mounting Styles Available (Standard, Wide)
- Die-cast Zinc Housing for Corrosion Resistance
- Heavy Duty Butt Contacts
- Heavy Operating Torque for Severe Industrial Use
- For hazardous location requirements, see EA880 Series

## Technical Data

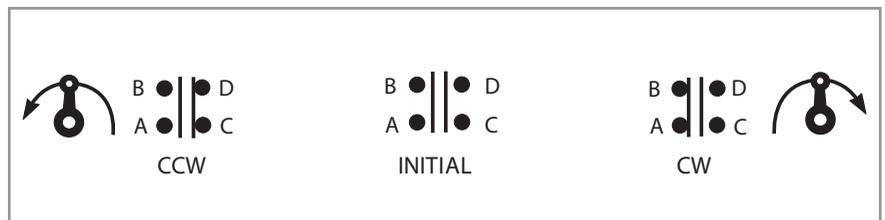
- Meets NEMA 1, 4 & 13 requirements. Enclosure is watertight, oil & dust tight
- Contacts made of silver alloy
- Temperature Range: -20°C to + 90°C
- Operating lever is adjustable by 7°30' increments thru 167°
- Wiring space is ample for up to size 12 wire with easily accessible terminal screws
- Form "Z" contact arrangement
- Options available
  - Precious metal contacts
  - High Temperature (0°C to + 150°C) components and lubricants
  - Low Temperature (-40°C to + 90°C) components and lubricants
  - Reverse Shaft position
- Weight - Approx. 2.3 lbs.

### Continuous Current Rating - Amperes

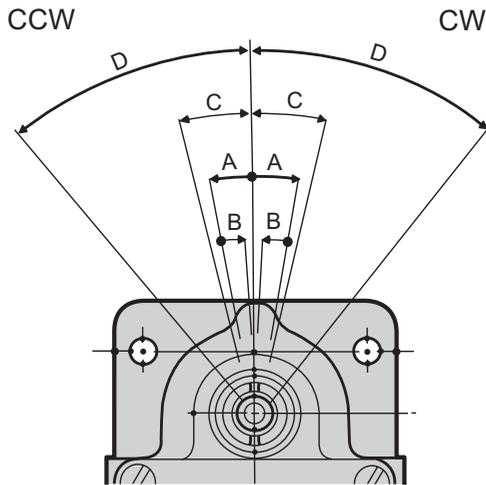
Volts	AC	DC
125	20	5
250	15	1.5
480	10	
600	5	

75-100% Power Factor

### Contact Configuration



## Operational Data



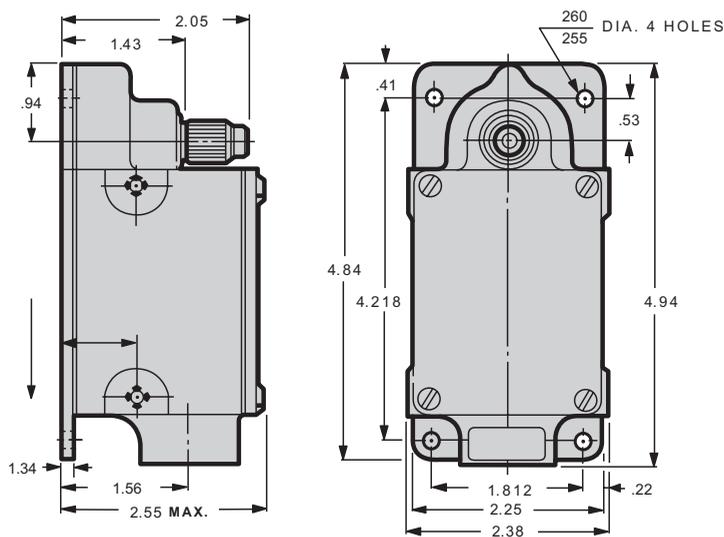
### Standard Travel - EA080 Series

A. Pre-Trip Travel.....	10°
B. Differential Travel.....	8°
C. Recommended Travel.....	13°
D. Total Travel.....	38°

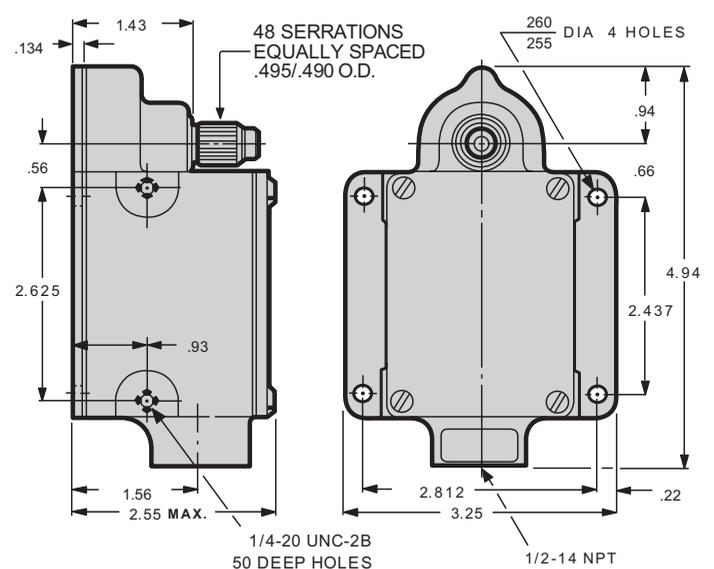
Max Torque During Pre-Travel ..... 14 lb-in.  
 Max torque at Total Travel ..... 38 lb-in.

## Dimensions & Mounting

### Standard Mounting



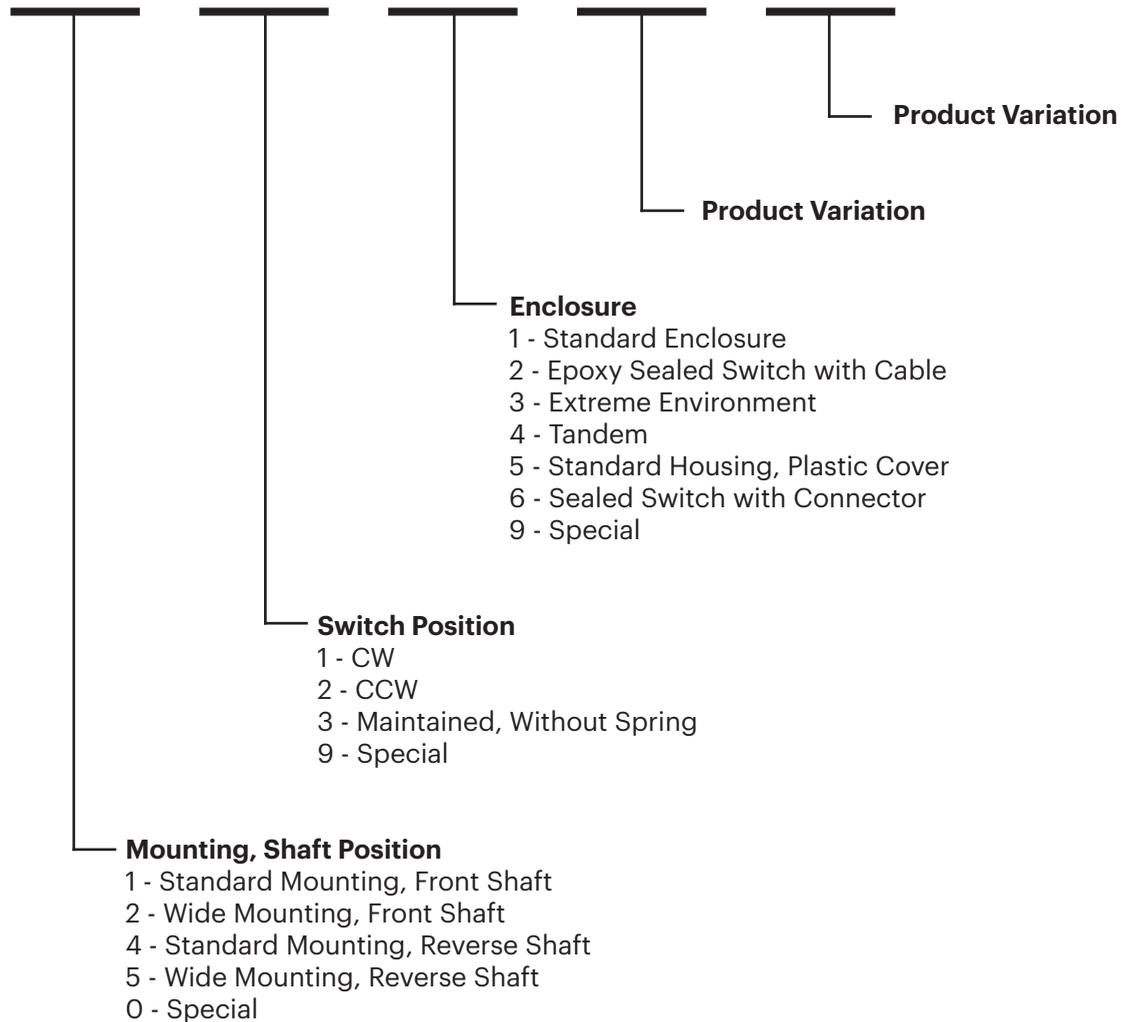
### Wide Mounting



All dimensions given in Inches

## Ordering Information

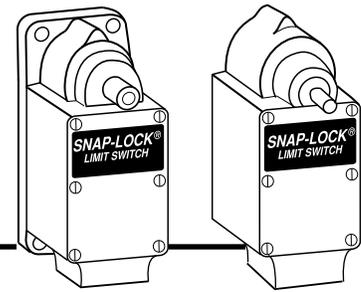
### EA080 -



Single Pole  
Standard Environment

# Limit Switches

# Butt Contacts



Limit Switches

## EA080

Single pole, double throw, heavy duty limit switch having mechanical travel of 10° to trip and with one normally open and one normally closed circuit. Can be furnished with wide and long mountings.

## EA060

With mechanical travel of 6-1/2° required to trip, this heavy duty limit switch operates

with one normally open and one normally closed circuit. Can be furnished with wide and long mountings.

## EA040

Designed for applications where a neutral position is essential in operation. This series provides the same snap locking action of the other series of Snap-Lock switches.

## EA700

The versatility of the Snap-Lock mechanism is gained through the use of a series of uniquely designed cams. The cam and cam mechanism allow features such as bi-directional operation and generous overtravel. These features make the EA700 Series one of the most popular. Can be furnished with standard, wide or long mounting.

### EA060 & EA080 Single Pole 1 N.O. - 1 N.C. / EA040 2 N.O. / Butt Contacts / Standard Travel / Rocker Type

Standard Mounting Model No.	Wide Mounting Model No.	Long Mounting Model No.	Dir. Of Operation	Angle A Trip Travel	Angle B Reset Travel	Angle C Recom. Travel	Angle D Total Travel	Angle E Min. Travel to Maintain	Angle F Overall Travel	Torque (inch lbs)	Contact Config.	Data Drawing
<b>NEUTRAL POSITION</b>												
-	EA040-21100	EA040-11100	CW/CCW	7°	6°	7°30'	33°	-	-	22	C	1
<b>SHORT TRAVEL</b>												
-	EA060-21100	EA060-11100	CW	6°30'	4°	7°	35°	-	-	24	A	1
-	EA060-22100	EA060-12100	CCW	6°30'	4°	7°	35°	-	-	24	B	1
-	EA060-23100	EA060-13100	Maintained	6°30'	4°	7°	35°	-	-	12	-	1
<b>STANDARD TRAVEL</b>												
-	EA080-21100	EA080-11100	CW	10°	8°	13°	38°	-	-	14	A	1
-	EA080-22100	EA080-12100	CCW	10°	8°	13°	38°	-	-	14	B	1
-	EA080-23100	EA080-13100	Maintained	10°	8°	13°	38°	-	-	5	-	1

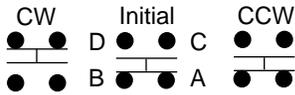
### EA700 Single Pole 1 N.O. - 1 N.C. / Butt Contacts / Cam Action

Standard Mounting Model No.	Wide Mounting Model No.	Long Mounting Model No.	Dir. Of Operation	Angle A Trip Travel	Angle B Reset Travel	Angle C Recom. Travel	Angle D Total Travel	Angle E Min. Travel to Maintain	Angle F Overall Travel	Torque (inch lbs)	Contact Config.	Data Drawing
<b>STANDARD TRAVEL</b>												
EA700-10000	EA700-40000	EA700-70000	CW	18°	14°	30°	90°	-	-	15	A	1
EA700-10001	EA700-40001	EA700-70001	CCW	18°	14°	30°	90°	-	-	15	D	1
EA700-10100	EA700-40100	EA700-70100	CW/CCW	18°	14°	30°	90°	-	-	15	E	1
<b>MAINTAIN CONTACT AND LEVER POSITION</b>												
EA700-16000	EA700-46000	EA700-76000	CW	55°	22°	60°	116°	55°	64°	6	J	2
			CCW	25°	25°	60°	124°	54°	56°	9		
<b>MAINTAIN CONTACTS AND SPRING RETURN LEVER POSITION</b>												
EA700-16700	EA700-46700	EA700-76700	CW	30°	26°	45°	90°	30°	-	12	J	3
			CCW	16°	30°	45°	90°	26°	-	13.5		
<b>NEUTRAL POSITION - ALL CONTACTS OPEN</b>												
EA700-15000	EA700-45000	EA700-75000	CW	11°	9°	45°	90°	-	-	18	F	1
			CCW	35°	13°	45°	90°	-	-	13.5		
<b>NEUTRAL POSITION - ALL CONTACTS CLOSED</b>												
EA700-15100	EA700-45100	EA700-75100	CW	11°	9°	45°	90°	-	-	18	G	1
			CCW	35°	13°	45°	90°	-	-	13.5		
<b>NEUTRAL POSITION - ALL CONTACTS OPEN</b>												
EA700-15700	EA700-45700	EA700-75700	CW	31°	22°	45°	90°	-	-	15	H	1
			CCW	31°	12°	45°	90°	-	-	19.5		
<b>NEUTRAL POSITION - ALL CONTACTS CLOSED</b>												
EA700-15800	EA700-45800	EA700-75800	CW	31°	22°	45°	90°	-	-	15	I	1
			CCW	31°	12°	45°	90°	-	-	19.5		

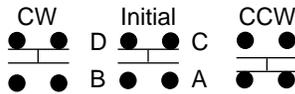
See Operating Levers Section

# Contact Configurations

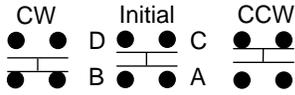
## CIRCUIT A



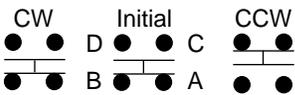
## CIRCUIT B



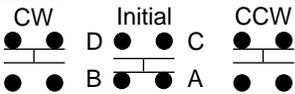
## CIRCUIT C



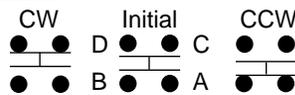
## CIRCUIT D



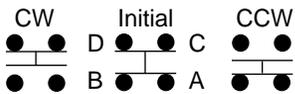
## CIRCUIT E



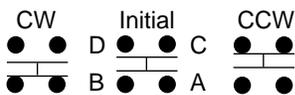
## CIRCUIT F



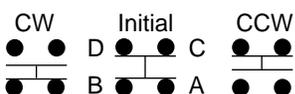
## CIRCUIT G



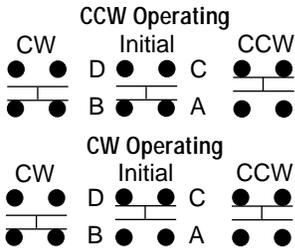
## CIRCUIT H



## CIRCUIT I



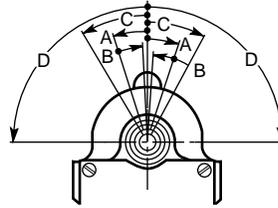
## CIRCUIT J



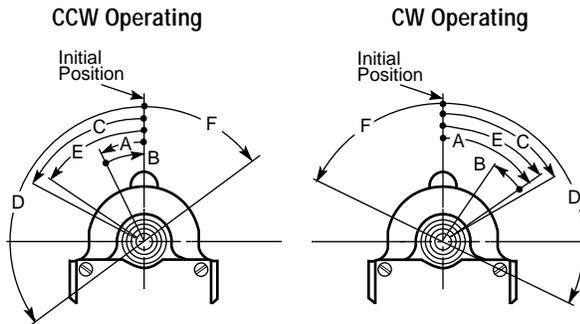
# EA040/EA060/EA080/EA700

## Operational Data Drawings

### DRAWING #1

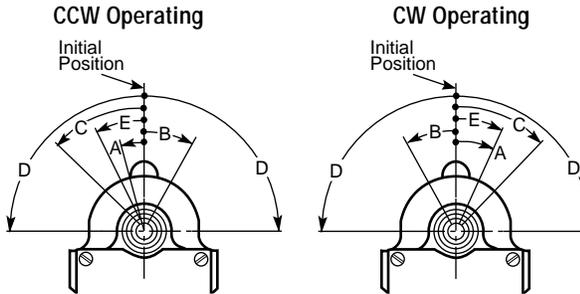


### DRAWING #2



To change switch operation from CW operating to CCW operating, operate switch through angle E. Remove lever and reset at initial position.

### DRAWING #3



To change switch operation from CW operating to CCW operating, operate switch through angle E.

Limit Switches



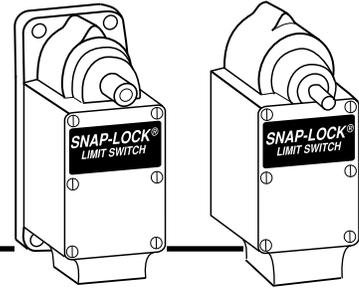
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 www.namcocontrols.com

For technical assistance, call 1-800-NAMTECH

Single Pole  
Standard Environment

# Limit Switches

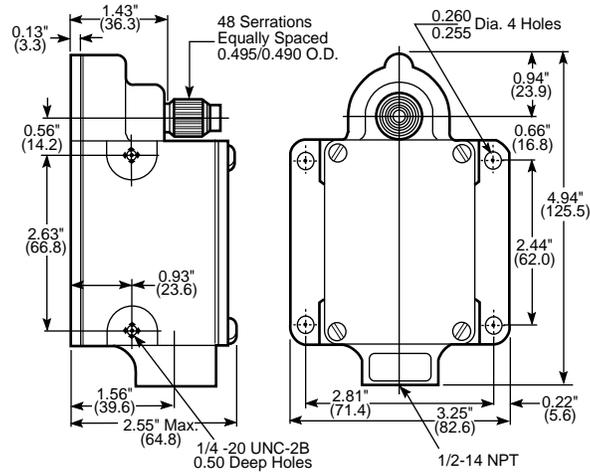
# Butt Contacts



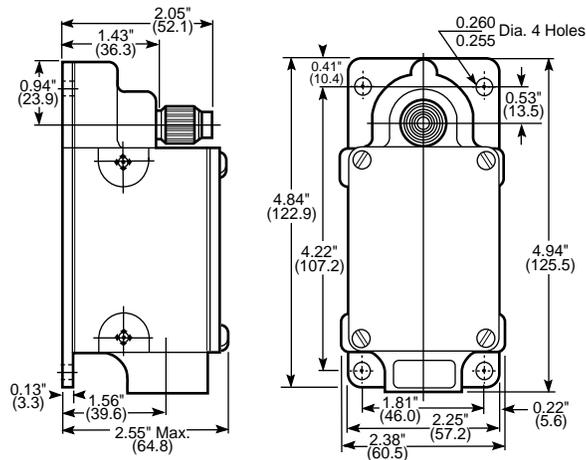
Limit Switches

## EA040/060/080 Series Drawings

### WIDE MOUNTING PLATE

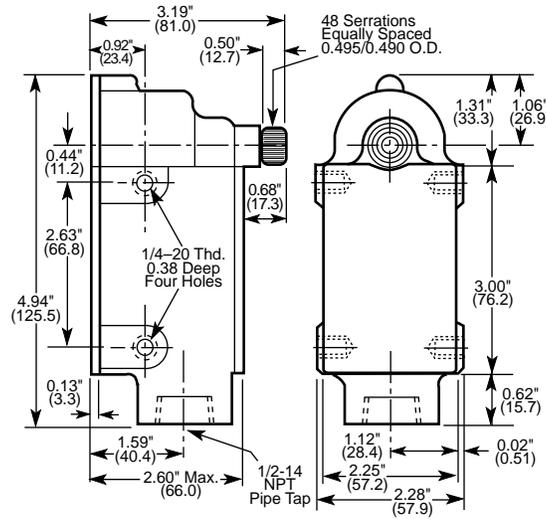


### LONG MOUNTING PLATE

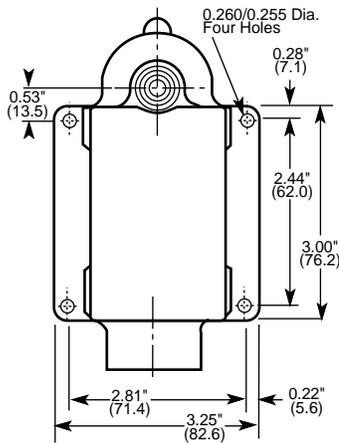


Dimensions: inches/(mm)

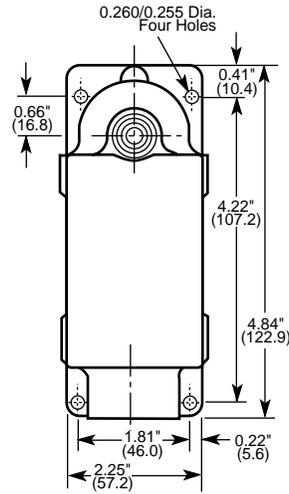
**STANDARD MOUNTING PLATE**



**WIDE MOUNTING PLATE**



**LONG MOUNTING PLATE**



Dimensions: inches/(mm)

Limit Switches

**Common Switch Characteristics**

	SINGLE POLE, STANDARD ENVIRONMENT, BUTT CONTACTS	
	EA040, 060, 080	EA700
NEMA Enclosure Type	1, 4, 13	
Housing Material	Zinc	
Ambient Temperature Range*	-20°C to +90°C	
Shipping Weight	2.3 lbs. approx.	3 lbs. approx.
Lever Adjustment	7°30' Increments thru 167°	7°30' Increments thru 360°
Contacts	Butt, Silver Alloy, Form Z	

\*Some high temperature (+20°C to 180°C) and low temperature (-40°C to +90°C) versions available. Contact factory.

**Continuous Current Rating - Amperes**

VOLTAGE	AC		DC
	125	20.0	5.0
250	15.0	1.5	
480	10.0	-	
600	5.0	-	

75-100% Power Factor



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