

## Specifications



**1 N.O. - 1 N.C.**  
**2 N.O. - 2 N.C.**  
**3 N.O. - 3 N.C.**

1. Enclosure meets NEMA Types 4, 4X, 6, 6P, 7, Class I, Groups C and D; and Type 9, Class II, Groups E, F, and G.
2. Contacts made of silver alloy. Contact shifting mechanism is locked in position by the latches until switch lever is actuated.
3. Standard Temperature Range: -20°C to +90°C.
4. Operating lever is adjustable to any required position.
5. Operating Lever Angles (travel either clockwise or counterclockwise) maximum degrees of trip travel, reset travel, as well as total lever travel, are determined by the cam selected.
6. Operating Torques -- Trip Torque varies from 15 to 35 lb. in.
7. Continuous Current Ratings -- Amperes

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

8. 75-100% Power Factor
8. Form Z contact arrangement.

- NEMA RATED FOR HAZARDOUS LOCATION
- 1 N.O. - 1 N.C., 2 N.O. - 2 N.C., 3 N.O. - 3 N.C.
- BRONZE, OR ALUMINUM HOUSING
- GENEROUS OVERTRAVEL
- HEAVY DUTY CAM OPERATED
- FLEXIBILITY OF MOTION, CW AND CCW
- AMPLE WIRING SPACE

**SERVICE CONDITIONS** – The Series EA-800 hazardous location limit switches operate reliably where gases, vapors, and dust are potential explosion hazards. The switch bodies are carefully engineered to resist corrosion.

**RUGGED CONSTRUCTION** – Approved spark-proof bronze, or aluminum housings can withstand internal and external gas explosions. Silver alloy butt contact arrangement is standard. Wiring space is ample for up to size 12 wire.

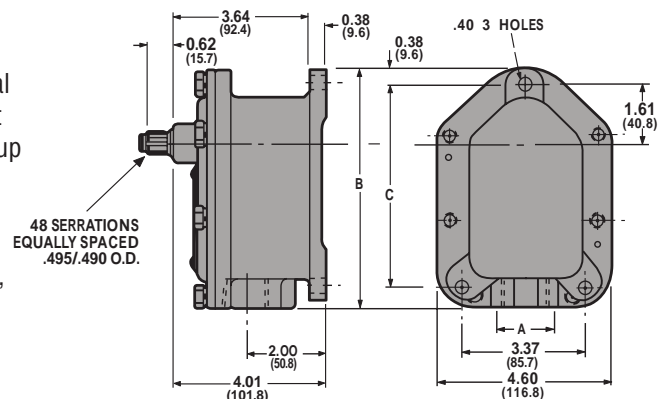
**PROVEN PERFORMANCE** – Cycle life is in the millions, when operated at the rated current, voltage, and temperature. Standard switches have maximum ambient temperature ratings of 90°C continuous. Switches can also be specially ordered with either -40°C or +150°C capabilities.

**LEVERS AVAILABLE** – A variety of levers for hazardous locations limit switches can be ordered from Namco Controls Series EL.

**PLEASE NOTE:** Only non-sparking levers should be used in hazardous locations. See Pages 68-75.

*Not all models are UL approved.*

TYPE CONTACT	DIMENSIONS (in.)		
	CONDUIT OPENING NPT	TOTAL HEIGHT (in.)	MOUNT HEIGHT (in.)
	A	B	C
1 N.O. - 1 N.C.	3/4" 14	6.47	5.422
2 N.O. - 2 N.C.	1" 11 1/2	8.5	7.578
3 N.O. - 3 N.C.	1 1/4" 11 1/2	10.56	9.672

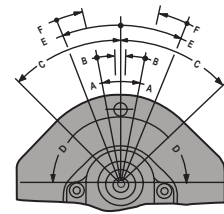


### OPTIONS AVAILABLE:

- Maintained and neutral position.
- High temperature (0° to + 150°C) components and lubricants.
- Low temperature (-40° to +90°C) components and lubricants.
- Belt mis-alignment.

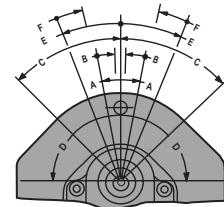
**Ordering Information**

CW OPERATION ONLY (Combinations B-1/B-2 Cam) Contacts transfer when lever is operated CW. Lever can be operated CCW but contacts will not transfer.	CONTACTS	CIRCUITS	HOUSING	
			BRONZE	ALUMINUM
	1 N.O. 1 N.C.		EA800-10040 WGT. 12 LB.	EA800-10050 6 LB.
	2 N.O. 2 N.C.		EA800-20040 WGT. 16 LB.	EA800-20050 7 LB.
	3 N.O. 3 N.C.		EA800-30040 EGT. 19 LB.	EA800-30050 8 LB.



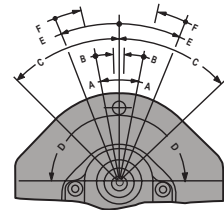
- A. Trip Travel..... 18°
- B. Reset Travel..... 14°
- C. Recommended Travel..... 30°
- D. Maximum Travel Available..... 90°
- Torque (Inch Lbs.)
- 1 N.O. - 1 N.C. .... 15
- 2 N.O. - 2 N.C. .... 27
- 3 N.O. - 3 N.C. .... 33

CCW OPERATION (Combination B-1/B-2 Cam) Contacts transfer when lever is operated CCW. Lever can be operated CW but contacts will not transfer.	CONTACTS	CIRCUITS	HOUSING	
			BRONZE	ALUMINUM
	1 N.O. 1 N.C.		EA800-10041 WGT. 12 LB.	EA800-10051 6 LB.
	2 N.O. 2 N.C.		EA800-20041 WGT. 16 LB.	EA800-20051 7 LB.
	3 N.O. 3 N.C.		EA800-30041 WGT. 19 LB.	EA800-30051 8 LB.



- A. Trip Travel..... 18°
- B. Reset Travel..... 14°
- C. Recommended Travel..... 30°
- D. Maximum Travel Available..... 90°
- Torque (Inch Lbs.)
- 1 N.O. - 1 N.C. .... 15
- 2 N.O. - 2 N.C. .... 27
- 3 N.O. - 3 N.C. .... 33

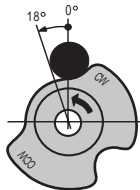
CW & CCW OPERATION (Combination B-1/B-2 Cam) Contacts transfer when lever is operated CW or CCW.	CONTACTS	CIRCUITS	HOUSING	
			BRONZE	ALUMINUM
	1 N.O. 1 N.C.		EA800-10140 WGT. 12 LB.	EA800-10150 6 LB.
	2 N.O. 2 N.C.		EA800-20140 WGT. 16 LB.	EA800-20450 7 LB.
	3 N.O. 3 N.C.		EA800-30140 WGT. 19 LB.	EA800-30150 8 LB.



- A. Trip Travel..... 18°
- B. Reset Travel..... 14°
- C. Recommended Travel..... 30°
- D. Maximum Travel Available..... 90°
- Torque (Inch Lbs.)
- 1 N.O. - 1 N.C. .... 15
- 2 N.O. - 2 N.C. .... 27
- 3 N.O. - 3 N.C. .... 33

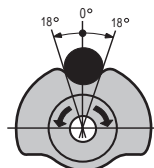
**Typical Cams**

**B1 Single Action**



Normally open to make (normally closed to break) IN ONE DIRECTION ONLY. Lever and cam are spring returned to starting position. Used on Single Action Switches only.

**B2 Double Action**



Normally open to make (normally closed to break) IN EITHER DIRECTION. Lever and cam are spring returned to starting position.

**Combination B1/B2 CAM**

The following three operating sequences are built into the combination cam used in the standard EA800 switches: B1 Single Action CW, B1 Single Action CCW and B2 Double Action CW & CCW.

- The contacts function when the lever is operated clockwise. The lever can be operated counterclockwise but the contacts will not operate.
- The contacts function when the lever is operated counterclockwise. The lever can be operated clockwise but the contacts will not operate.
- The contacts function when the lever is operated clockwise or counterclockwise.