Single Pole



#### NAVY meets MIL-C-2212F

Construction — Completely fabricated from non-corrosive materials, its bronze housing and high quality stainless steel shaft insure against external damage to the switch from salt spray corrosive elements. Sealing against leakage is achieved through the use of high quality gaskets on machined surfaces and "O" ring protection, plus close tolerance between the shaft and bushing.

**Durability** — All internal components are of high grade stainless steel or copper alloy, chrome plated when required, to protect against bearing surface wear and to provide millions of operations.

Both the EA780 and EA790 series switches have heavy duty electrical contacts. The EA780 switches have sliding, double break type contacts built to meet the high shock requirements outlined in MIL-S-901.

EA790 switches have heavy duty, double break butt type contacts.

**Contacts** — EA780 switches contain sliding contact arrangement which wipe clean with each operation.

EA790 switches contain butt style contacts.

Both series available with operation direction CW, CCW or CW/CCW.

**Levers** — A variety of corrosion resistant levers are available to meet specific actuating requirements.

NOTE: Levers must be ordered as separate items. See Operating Levers Section.

#### EA780 Single Pole 1 N.O. - 1 N.C. / Sliding 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
STANDARD TR	RAVEL											
EA780-10000	EA780-40000	EA780-70000	CW	18°	14°	30°	90°	-	-	15	Α	1
EA780-10001	EA780-40001	EA780-70001	CCW	18°	14°	30°	90°	-	-	15	В	1
EA780-10100	EA780-40100	EA780-70100	CW/CCW	18°	14°	30°	90°	-	-	15	С	1
MAINTAINED CONTACTS & LEVER POSITION												
EA780-16000	EA780-46000	EA780-76000	CW	55°	22°	60°	116°	55°	64°	6	D	2
277700 10000	L11700 40000	LN700 70000	CCW	25°	25°	60°	124°	54°	56°	9	D	2
MAINTAINED (	CONTACT-LEVE	R RETURNED										
EA780-16700	EA780-46700	EA780-76700	CW	30°	26°	45°	90°	30°	-	12	D	3
LA700-10700	LA700-40700	LA/00-/0/00	CCW	16°	30°	45°	90°	26°	-	13.5	D	3

See Operating Levers Section

### EA780/EA790

#### EA790 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 Ibs)	Contact Config.	Data Drawing
STANDARD TR	RAVEL									'		
EA790-10000	EA790-40000	EA790-70000	CW	18°	14°	30°	90°	-	-	15	Α	1
EA790-10001	EA790-40001	EA790-70001	CCW	18°	14°	30°	90°	-	-	15	В	1
EA790-10100	EA790-40100	EA790-70100	CW/CCW	18°	14°	30°	90°	-	-	15	С	1
MAINTAINED (	CONTACT & LEV	ER POSITION										
EA790-16000	EA790-46000	EA700 74000	CW	55°	22°	60°	116°	55°	64°	6	D	2
EA/90-10000 EA/	EA/90-46000	EA/9U-/6UUU	CCW	25°	25°	60°	124°	54°	56°	9	D	2
MAINTAINED (	CONTACT-LEVE	R RETURNED	I									
EA790-16700	EA700 46700	00 EA790-76700	CW	30°	26°	45°	90°	30°	-	12	D	3
EA/90-10/00	EA/90-40/00	EA/90-/0/00	CCW	16°	30°	45°	90°	26°	-	13.5		
SHORT TRAVE	L											
EA790-10900	EA790-40900	EA790-70900	CW/CCW	13°	10°	30°	90°	-	-	15	С	1
NEUTRAL POS	SITION - ALL C	ONTACTS OPEN									C	Į.
FA700 1E700	E4700 4E700	E4700 7E700	CW	31°	12°	45°	90°	-	-	15	Ε	1
EA790-15700	EA790-45700	EA/90-/5/00	CCW	31°	22°	45°	90°	-	-	19.5	E	ı
NEUTRAL POS	SITION - ALL C	ONTACTS CLOS	ED									
EA790-15800	EA790-45800	EA700 7E900	CW	31°	12°	45°	90°	-	-	15	F	1
EA / 90-13800	EA/90-43800	EA/90-/3800	CCW	31°	22°	45°	90°	_	_	15	Г	ı

#### **Common Switch Characteristics**

SINGLE POLE, HARSH ENVIRONMENT NAVY MARINE, BUTT/SLIDING CONTACTS					
	EA780	EA790			
NEMA Enclosure Type	1, 4, 4X, 6, 6P, 13				
Housing Material	Bronze				
Ambient Temperature Range*	-20°C to +90°C				
Shipping Weight	4 lbs. approx.				
Lever Adjustment	7°30' Increments thru 360°				
Contacts	Sliding, Silver Alloy Form Z	Butt, Silver Alloy Form Z			
Special Switch Features	MIL-C-22122F Watertight (3 ft. for 60 min.) and Submersible (15ft. for 30 min.) per MIL STD-108E Vibration requirements per MIL-STD-167B, Type 1 High Shock per MIL-S-901, grade A, Class 1, type A				

<sup>\*</sup>Some high temperature (0°C to 150°C) and low temperature (-40°C to +90°C) versions available. Contact factory.

#### EA780 Continuous Current Rating - Amperes

VOLTAGE	AC	DC
125	10.0	2.5
250	7.5	.75
480	5.0	-
600	2.5	-

<sup>75-100%</sup> Power Factor

#### EA790 Continuous Current Rating - Amperes

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

<sup>75-100%</sup> Power Factor



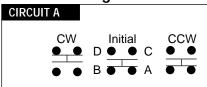
Namco Controls Corporation
Mayfield Village, OH 44143
(440) 460-1360 • FAX (440) 460-3800 • namcocontrols.com

## **Switches**

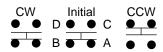
# **Contacts**



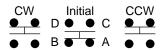
**Contact Configurations** 



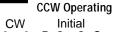


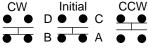


CIRCUIT C

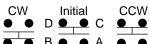


CIRCUIT D

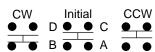




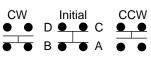
**CW Operating** 



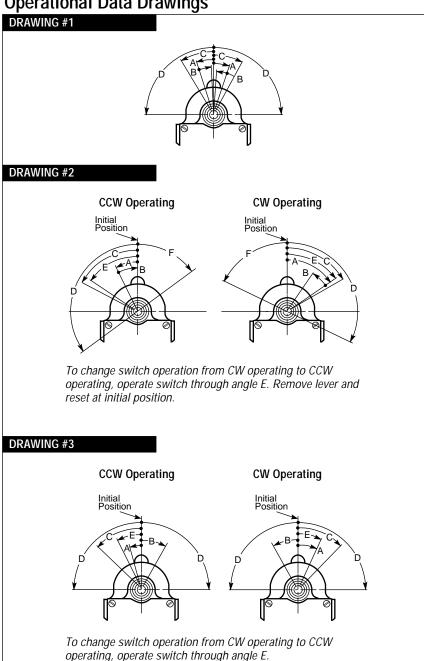
CIRCUIT E

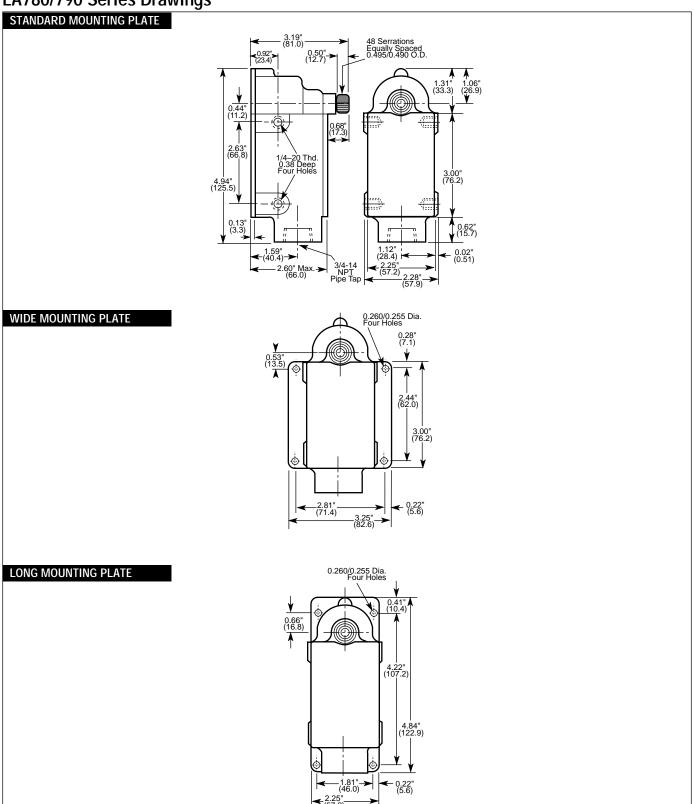


**CIRCUIT F** 



**Operational Data Drawings** 





Dimensions: inches/(mm)



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