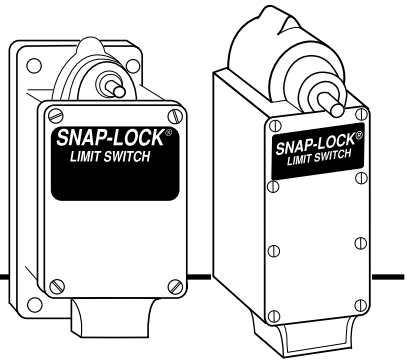
Limit Switches

Butt/ Sliding Contacts



EA140 — Standard

Single pole, double throw, double break limit switch having mechanical travel of 14.83° to trip with one normally open and one normally closed circuit.

EA130 — Short Travel

Single pole, double throw, double break limit switch having mechanical travel of 5.8° to trip with one normally open and one normally closed circuit.

EA130 — Neutral Position

Single pole, double throw, double break limit switch having mechanical travel of 7° to trip with normally open contacts.

EA730

Construction — The aluminum housing with epoxy paint and high quality stainless steel shaft provide a high degree of corrosion resistance. 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.

Contacts — The EA730 switches are available with sliding contact arrangement 1 N.O.-1 N.C. Operation direction available CW, CCW or CW/CCW.

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

EA130, EA140 & EA730 Single Pole 1 N.O. - 1 N.C. Butt / Sliding Contacts

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.
STANDARD TRAVEL / ROCKER TYPE / BUTT CONTACTS											
EA140-12200	**EA140-22200**	—	CW	14.83°	12.3°	16.5°	41.5°	—	—	15	A
EA140-11200	**EA140-21200**	**EA140-31200**	CCW	14.83°	12.3°	16.5°	41.5°	—	—	15	B
—	**EA140-23200**	—	Maintain	14.83°	12.3°	16.5°	41.5°	—	—	5.5	-
STANDARD TRAVEL / ROCKER TYPE / BUTT CONTACTS											
—	—	**EA140-32300**	CW	14.83°	12.3°	16.5°	41.5°	—	—	15	A
EA140-11300	—	—	CCW	14.83°	12.3°	16.5°	41.5°	—	—	15	B
SHORT TRAVEL / ROCKER TYPE / BUTT CONTACTS											
EA130-11202	**EA130-21202**	**EA130-31202**	CW	5.8°	4°	8°	26°	—	—	22	A
EA130-12202	**EA130-22202**	—	CCW	5.8°	4°	8°	26°	—	—	22	B
SHORT TRAVEL / ROCKER TYPE / HI - TEMP / BUTT CONTACTS											
—	—	**EA130-31302**	CW	5.8°	4°	8°	26°	—	—	22	A
NEUTRAL POSITION / ROCKER TYPE / BUTT CONTACTS											
EA130-14200	**EA130-24200**	**EA130-34200**	Neutral	7°	6°	7.5°	26°	—	—	22	C
STANDARD TRAVEL/ CAM ACTION / SLIDING CONTACTS											
EA730-10000	**EA730-40000**	**EA730-70000**	CW	18°	14°	30°	90°	—	—	15	D
EA730-10001	**EA730-40001**	**EA730-70001**	CCW	18°	14°	30°	90°	—	—	15	E
EA730-10100	**EA730-40100**	**EA730-70100**	CW/CCW	18°	14°	30°	90°	—	—	15	F

See Operating Levers Section

Common Switch Characteristics

SINGLE POLE, MILD ENVIRONMENT/NAVY MARINE, BUTT/SLIDING CONTACTS		
	EA130/140	**EA730**
NEMA Enclosure Type	1, 2, 3, 4, 5, 6	1, 4, 6, 6P, 13
Housing Material	Zinc	Aluminum
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	Sliding, Silver Alloy Alloy, Form Z
Special Switch Features (EA730 Series)	MIL-C-2212F Watertight (3 ft. for 60 min.) and (15 ft. 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	

*Some high temperature (0°C to 150°C) versions available (EA130/140). See chart.

EA130/140
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

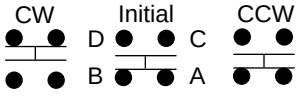
EA730
Continuous Current Rating - Amperes

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

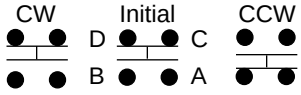
75-100% Power Factor

Contact Configurations

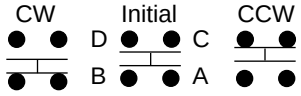
CIRCUIT A



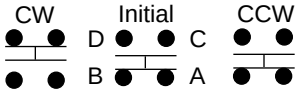
CIRCUIT B



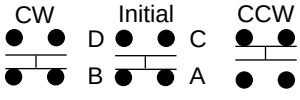
CIRCUIT C



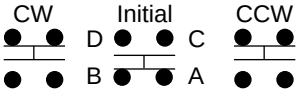
CIRCUIT D



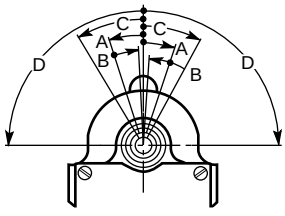
CIRCUIT E



CIRCUIT F

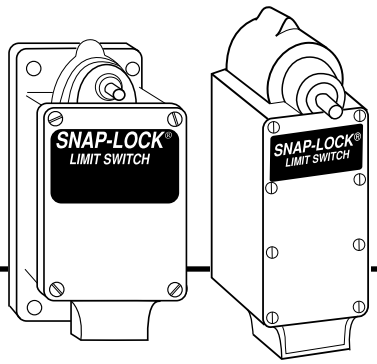


Operational Data Drawings



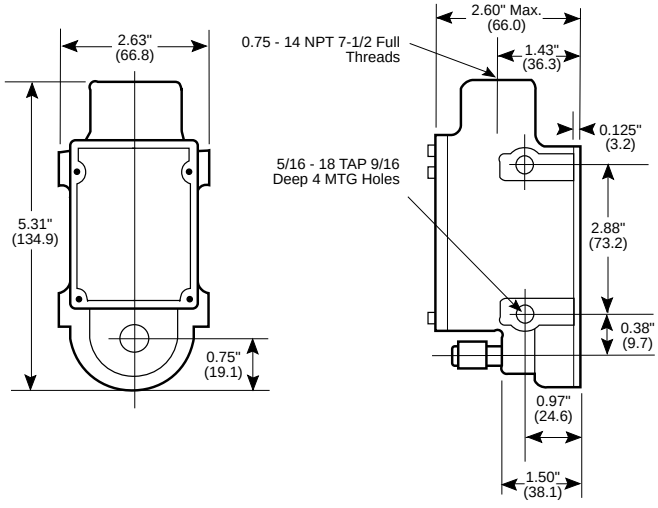
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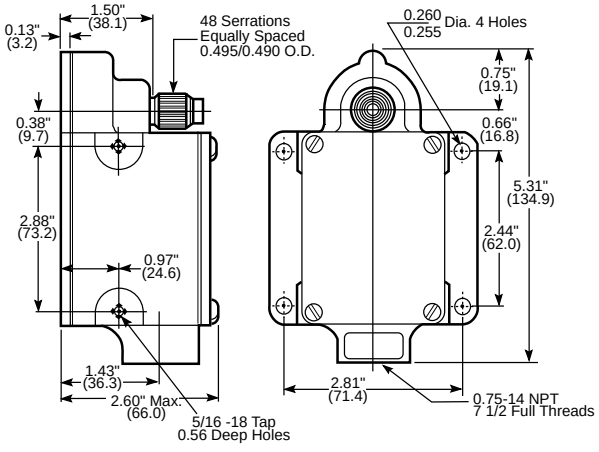


EA130/140 Series Drawings

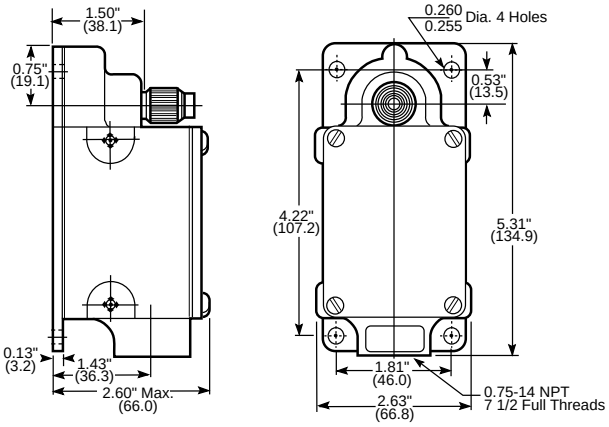
STANDARD MOUNTING PLATE



WIDE MOUNTING PLATE

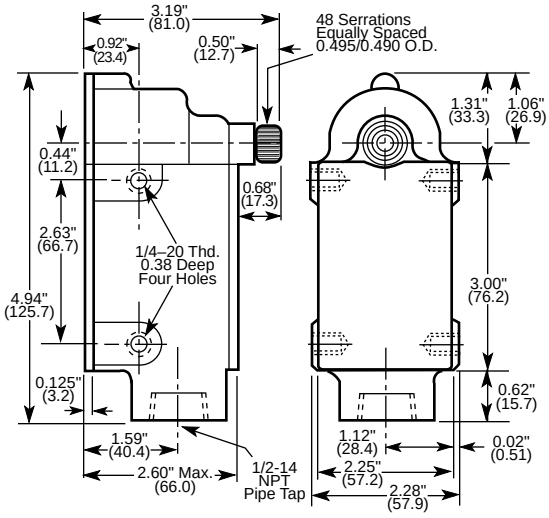


LONG MOUNTING PLATE

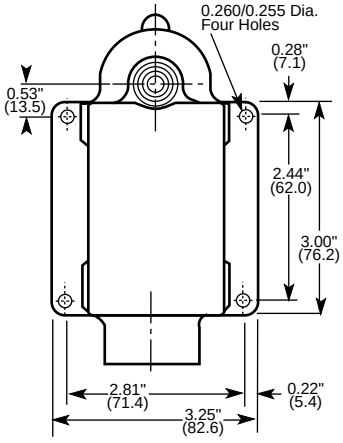


Dimensions: inches/(mm)

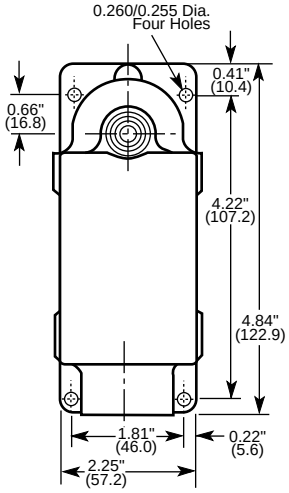
STANDARD MOUNTING PLATE



WIDE MOUNTING PLATE



LONG MOUNTING PLATE



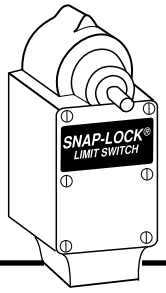
Dimensions: inches/(mm)

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Double Pole
Mild Environment/
Navy Marine

Limit Switches

Sliding Contacts



Construction

The aluminum housing with epoxy paint and high quality stainless steel shaft provides a high degree of corrosion resistance. 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.

Contacts

The EA730 switches are available with sliding contact arrangement 2 N.O.-2 N.C. Operation direction available in CW, CCW or CW/CCW.

Levers

A variety of corrosion resistant levers is available to meet specific actuating requirements.

EA730 Double Pole 2 N.O. - 2 N.C. / Sliding Contacts

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.
STANDARD TRAVEL / CAM ACTION											
EA730-20000	**EA730-50000**	**EA730-80000**	CW	16°	14°	30°	90°	-	-	20	A
EA730-20001	**EA730-50001**	**EA730-80001**	CCW	16°	14°	30°	90°	-	-	20	B
EA730-20100	**EA730-50100**	**EA730-80100**	CW/CCW	16°	14°	30°	90°	-	-	20	C

Common Switch Characteristics

DOUBLE POLE, MILD ENVIRONMENT/NAVY MARINE, SLIDING CONTACTS	
NEMA Enclosure Type	1, 4, 6, 6P, 13
Housing Material	Aluminum
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
Special Switch Features	MIL-C-2212F Watertight (3 ft. for 60 min.) & submersible (15 ft. 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

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

Continuous Current Rating - Amperes

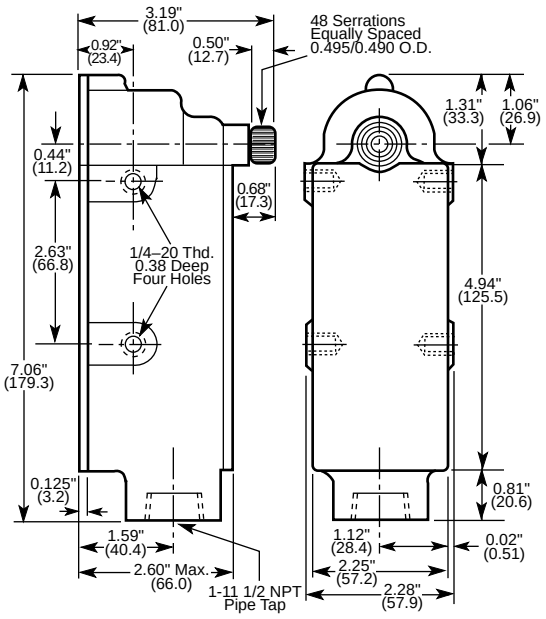
VOLTAGE	AC	DC
125	10.0	2.5
250	7.5	.75
480	5.0	-
600	2.5	-

75-100% Power Factor

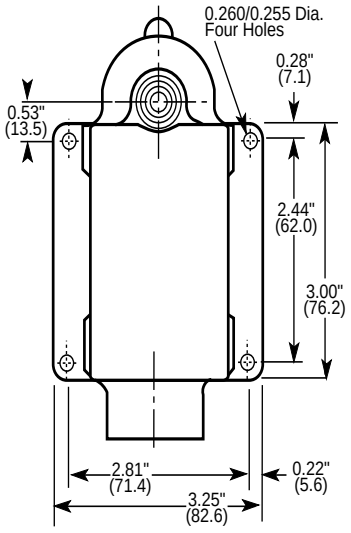
See Operating Levers Section

Dimensions and Mounting

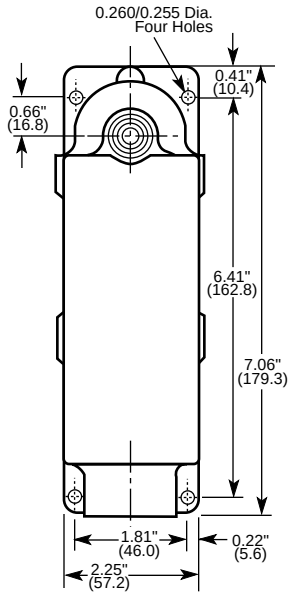
STANDARD MOUNTING PLATE



WIDE MOUNTING PLATE

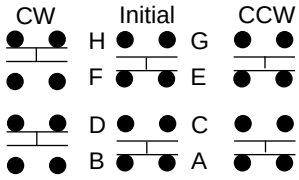


LONG MOUNTING PLATE

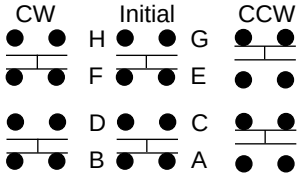


Contact Configurations

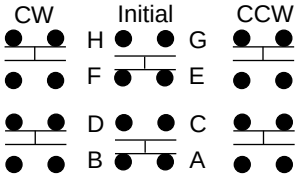
CIRCUIT A



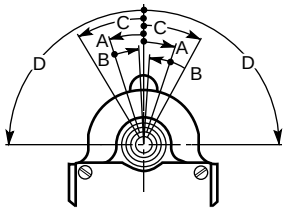
CIRCUIT B



CIRCUIT C



Operational Data Drawings



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