

ACSEW Cast Control Centers

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 7BCD, 9EFG

NEC/CEC — cULus Optional:

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Application

- Explosionproof control centers are used where hazardous materials are handled or stored.
- Grouping push buttons, switches, pilot devices and glass lenses in one enclosure will satisfy a wide range of control applications. This is most beneficial when having areas with minimum space or needing to centralize all controls in one area.

Features

- Precision machined flame path between body and cover.
- Bolt on stainless steel slotted mounting feet.
- Flexible hinge mounting on either side, (hinges standard on catalog numbers ACSEW121206 and above).
- External flange maximizes internal space.
- Wall thickness suitable for minimum of five full threads.
- Factory assembled and wired to specifications.
- Operators are spaced on 2-1/2" centers.
- All push buttons and selector switches have stainless steel shafts.
- Push button and selector switches are rated 10 Amp 600 Vac.
- Pilot lights are rated 6 Vac up to 600 Vac with transformer.
- Round windows available in a wide range of sizes.
- Provision for mounting pan.
- Ground lug package and installation instructions for termination of ground wires enclosed.
- O-ring gasket insures watertight integrity.

Standard Materials

- Bodies and covers: sand cast copperfree (4/10 of 1% max.) aluminum
- Cover bolts and mounting feet: stainless steel
- O-ring: neoprene

Standard Finish

- Bodies and covers: shot blast finish

Options

- Refer to the detailed options section at the end of this catalog section for the complete options available.
- Custom drilling and tapping is available. Please review the Drill and Tap form at the end of this catalog section.
- Standard product has UL and CSA certification. For cULus certification only, add suffix **-CUL**.
- For window installed option, contact your local representative for maximum number of operators.

NEC/CEC Certifications and Compliances

- UL Standards: UL 1203
- UL Classified: E84577
- UL Listed: Control Operators E10449
- CSA Standards: C22.2 No. 14-M, C22.2 No. 24, C22.2 No. 30
- CSA Certified: 042130



CONTROLS: NEC/CEC EXPLOSIONPROOF/FLAMEPROOF CONTROL STATIONS AND SWITCHES

APPLETON

ACSEW Control Operators: Selector Switch Components

Explosionproof

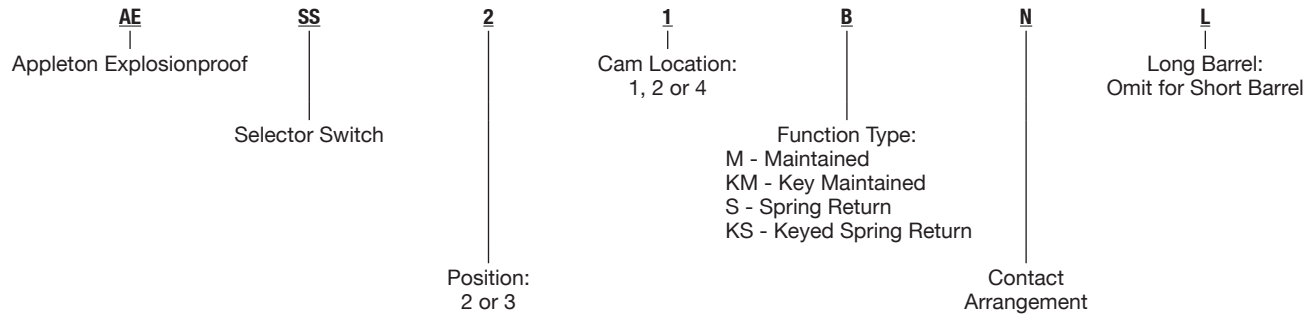
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Catalog Numbering Guide



Two Position — Maintained Contact

Contact	Lever Position X=Closed, O=Open		Catalog Number		Contact Block Position		Cam Location
	Left	Right	Standard Bushing	Long Bushing	L	R	
1	O	X	AESS22MG	AESS22MG-L	NO	-	2
1	X	O	AESS22MH	AESS22MH-L	-	NO	2
1	O	X	AESS22ML	AESS22ML-L	NO	NO	2
2	X	O					
1	O	X	AESS22MM	AESS22MM-L	NO	NC	2
2	O	X					
1	X	O	AESS22MR	AESS22MR-L	2NC	2NC	2
2	O	X					
3	X	O					
4	O	X					

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").
For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

ACSEW Control Operators: Selector Switch Components

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Three Position — Spring Return to Center from Left and Right

Contact	Lever Position X=Closed, O=Open			Catalog Number		Contact Block Position		Cam Location
	Left	Center	Right	Standard Bushing	Long Bushing	L	R	
1	O	O	X	AESS31SN	AESS31SN-L	NC	NC	1
2	X	O	O					
1	X	O	O	AESS31SQ	AESS31SQ-L	-	NOC	1
2	O	X	X					
1	O	O	X	AESS34SN	AESS34SN-L	NC	NC	4
2	O	X	O					
1	X	O	O	AESS32SN	AESS32SN-L	NC	NC	2
2	O	X	O					
1	O	O	X	AESS31SS	AESS31SS-L	2NC	2NC	1
2	X	O	O					
3	O	O	X					
4	X	O	O					
1	O	O	X	AESS34SS	AESS34SS-L	2NC	2NC	4
2	O	X	O					
3	O	O	X					
4	O	X	O					
1	X	O	O	AESS32SS	AESS32SS-L	2NC	2NC	2
2	O	X	O					
3	X	O	O					
4	O	X	O					

Three Position — Spring Return to Center from Right, Maintain Left

Contact	Lever Position X=Closed, O=Open			Catalog Number		Contact Block Position		Cam Location
	Left	Center	Right	Standard Bushing	Long Bushing	L	R	
1	O	O	X	AESS31RCS	AESS31RCS-L	2NC	2NC	1
2	X	O	O					
3	O	O	X					
4	X	O	O					

Three Position — Spring Return to Center from Left, Maintain Right

Contact	Lever Position X=Closed, O=Open			Catalog Number		Contact Block Position		Cam Location
	Left	Center	Right	Standard Bushing	Long Bushing	L	R	
1	O	O	X	AESS31LCS	AESS31LCS-L	2NC	2NC	1
2	X	O	O					
3	O	O	X					
4	X	O	O					

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").
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ACSEW Control Operators

Add 1" to length for Contact Block. Thread Size — 3/4" NPSM.

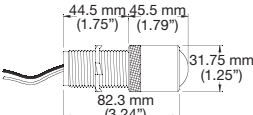
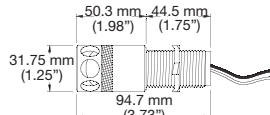
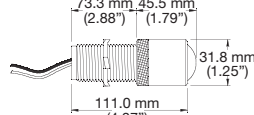
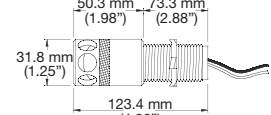
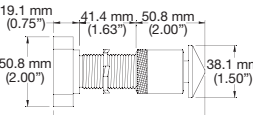
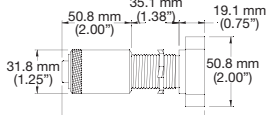
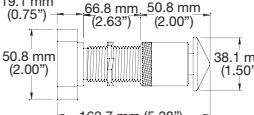
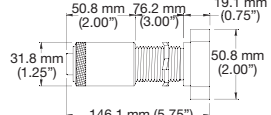
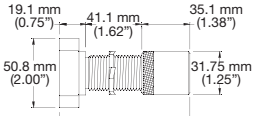
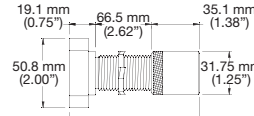
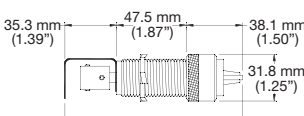
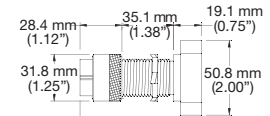
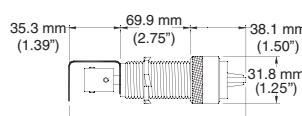
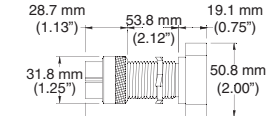
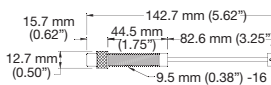
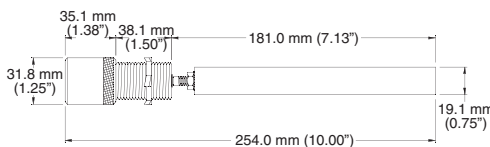
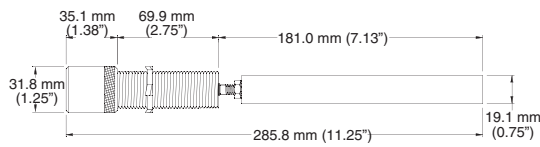
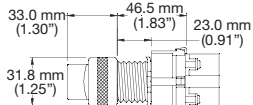
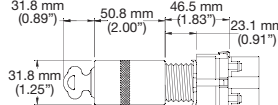
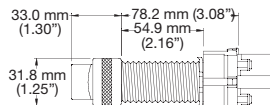
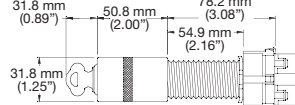
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Dimensions in Millimeters (Inches)

Short Barrel		Long Barrel	
 Standard Pilot Light	 Guarded Pilot Light	 Standard Pilot Light	 Guarded Pilot Light
 Mushroom Head Push Button	 Push-To-Test Pilot Light	 Mushroom Head Push Button	 Push-To-Test Pilot Light
 Push Button		 Push Button	
 Potentiometer Operator	 Dual Push Button	 Potentiometer Operator	 Dual Push Button
 Miniature Reset Button			
 Standard Reset Button		 Standard Reset Button	
 Selector Switch	 Keyed Selector Switch	 Selector Switch	 Keyed Selector Switch

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