

# 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:

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

### 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

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# ACSEW Control Operators: Selector Switch Components

## Explosionproof

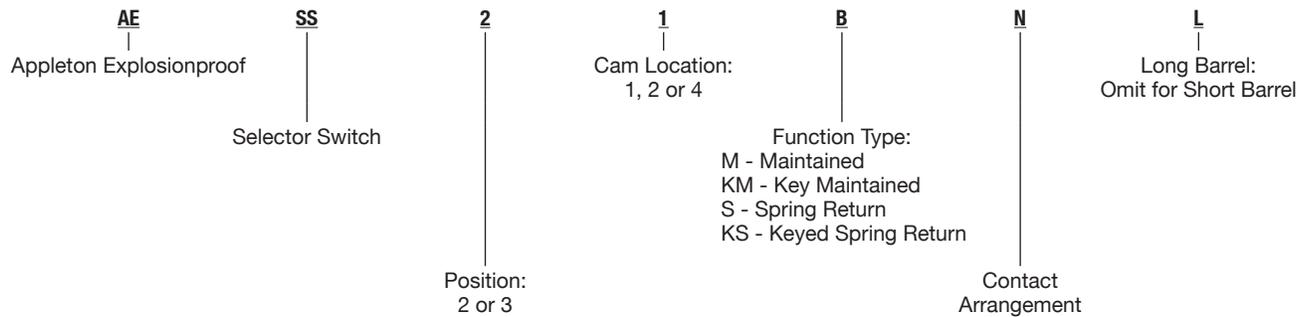
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### Catalog Numbering Guide



### 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					
2	O	X	AESS22MR	AESS22MR-L	2NC	2NC	2
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

## Explosionproof

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### Two Position — Spring Return Right to Center

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	AESS22SG	AESS22SG-L	NO	-	2
1	X	O	AESS22SH	AESS22SH-L	-	NO	2
1	O	X	AESS22SL	AESS22SL-L	NO	NO	2
2	X	O					
1	O	X	AESS22SM	AESS22SM-L	NO	NC	2
2	O	X					
1	X	O	AESS22SR	AESS22SR-L	2NC	2NC	2
2	O	X					
3	X	O					
4	O	X					

### Three Position — Maintained Contact

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	AESS31MN	AESS31MN-L	NC	NC	1
2	X	O	O					
1	X	O	O	AESS31MQ	AESS31MQ-L	-	NOC	1
2	O	X	X					
1	O	O	X	AESS34MN	AESS34MN-L	NC	NC	4
2	O	X	O					
1	X	O	O	AESS32MN	AESS32MN-L	NC	NC	2
2	O	X	O					
1	O	O	X	AESS31MS	AESS31MS-L	2NC	2NC	1
2	X	O	O					
3	O	O	X					
4	X	O	O					
1	O	O	X	AESS34MS	AESS34MS-L	2NC	2NC	4
2	O	X	O					
3	O	O	X					
4	O	X	O					
1	X	O	O	AESS32MS	AESS32MS-L	2NC	2NC	2
2	O	X	O					
3	X	O	O					
4	O	X	O					

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875"). See options page for legend plates. All Operators are 3/4" NPSM.

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

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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	
<p><b>Standard Pilot Light</b></p>	<p><b>Guarded Pilot Light</b></p>	<p><b>Standard Pilot Light</b></p>	<p><b>Guarded Pilot Light</b></p>
<p><b>Mushroom Head Push Button</b></p>	<p><b>Push-To-Test Pilot Light</b></p>	<p><b>Mushroom Head Push Button</b></p>	<p><b>Push-To-Test Pilot Light</b></p>
<p><b>Push Button</b></p>		<p><b>Push Button</b></p>	
<p><b>Potentiometer Operator</b></p>	<p><b>Dual Push Button</b></p>	<p><b>Potentiometer Operator</b></p>	<p><b>Dual Push Button</b></p>
<p><b>Miniature Reset Button</b></p>			
<p><b>Standard Reset Button</b></p>		<p><b>Standard Reset Button</b></p>	
<p><b>Selector Switch</b></p>	<p><b>Keyed Selector Switch</b></p>	<p><b>Selector Switch</b></p>	<p><b>Keyed Selector Switch</b></p>

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