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
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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

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ACSEW Control Operators: Selector Switch Components

Explosionproof

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Catalog Numbering Guide

AE — Appleton Explosionproof

SS — Selector Switch

2 — Position: 2 or 3

1 — Cam Location: 1, 2 or 4

B — Function Type:
M - Maintained
KM - Key Maintained
S - Spring Return
KS - Keyed Spring Return

N — Contact Arrangement

L — Long Barrel: Omit for Short Barrel

Two Position — Maintained Contact

Lever Position I X=Closed, O=Open			Catalog Number		Contact Block Position		
Contact	Left	Right	Standard Bushing	Long Bushing	L	R	Cam Location
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.

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ACSEW Control Operators: Selector Switch Components

Explosionproof

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Three Position — Key Operated ①② — Spring Return

Contact	Lever Position X=Closed, O=Open Left	Center	Right	Catalog Number Standard Bushing	Long Bushing	Contact Block Position L	R	Cam Location
1	O	O	X	**AESS31KSN**	**AESS31KSN-L**	NC	NC	1
2	X	O	O					
1	X	O	O	**AESS31KSQ**	**AESS31KSQ-L**	—	NOC	1
2	O	X	X					
1	O	O	X	**AESS34KSN**	**AESS34KSN-L**	NC	NC	4
2	O	X	O					
1	X	O	O	**AESS32KSN**	**AESS32KSN-L**	NC	NC	2
2	O	X	O					
1	O	O	X	**AESS31KSS**	**AESS31KSS-L**	2NC	2NC	1
2	X	O	O					
3	O	O	X					
4	X	O	O					
1	O	O	X	**AESS34KSS**	**AESS34KSS-L**	2NC	2NC	4
2	O	X	O					
3	O	O	X					
4	O	X	O					
1	X	O	O	**AESS32KSS**	**AESS32KSS-L**	2NC	2NC	2
2	O	X	O					
3	X	O	O					
4	O	X	O					

*① Locks are normally provided keyed differently. If keyed-alike locks are required, specify suffix -**KA1** and a standard type of identical locks will be provided. If a unique set of keyed-alike locks is required, specify and contact your local representative for delivery.*
② Key removable from one field selectable position only. Contact your local representative for key removable in two positions.

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.

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ACSEW Control Operators

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

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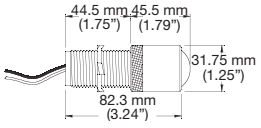
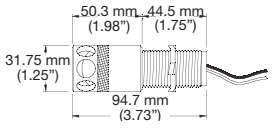
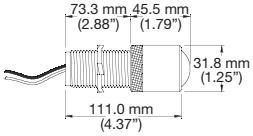
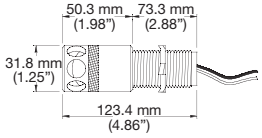
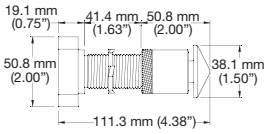
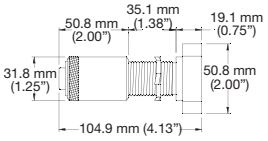
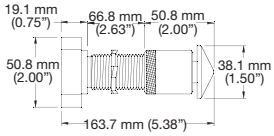
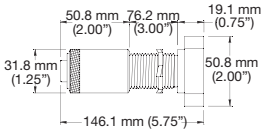
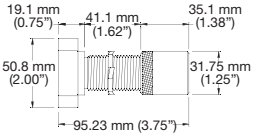
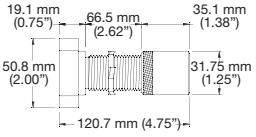
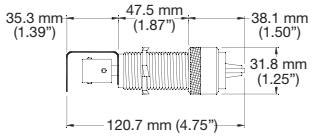
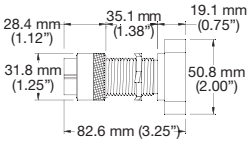
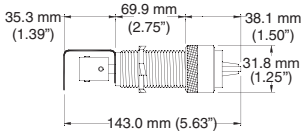
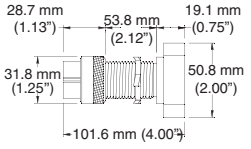
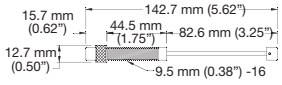
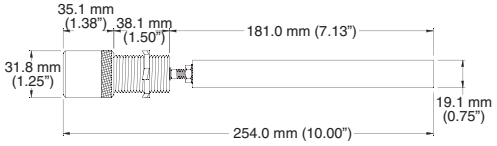
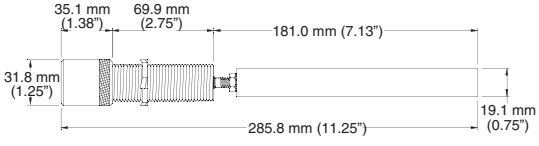
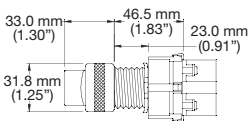
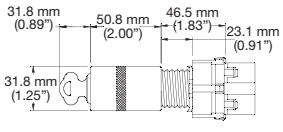
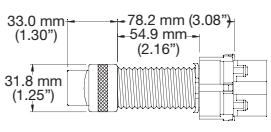
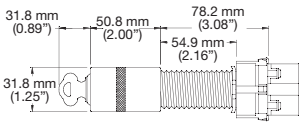
Dimensions in Millimeters (Inches)

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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