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

© June 2022

ACSEW Control Operators: Mushroom Head Push Button Components

Maintained Contact. Explosionproof

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

Catalog Numbering Guide

AE — NEC/CEC Certified Appleton Explosionproof

P — Push Button

MC — Mushroom Head, Maintained

B — Color:
B - Black
R - Red
G - Green

A — Contact Arrangement:
A - 1 NO
B - 2 NO
C - 1 NC
D - 2 NC
E - 1 NO and 1 NC
F - 2 NO and 2 NC

L — Long Barrel: Omit for Short Barrel

Contacts ①	Lens Color	Catalog Number Short Barrel	Catalog Number Long Barrel
1 NO	Black	**AEPMCBA**	**AEPMCBA-L**
1 NO	Red	**AEPMCRA**	**AEPMCRA-L**
1 NO	Green	**AEPMCGA**	**AEPMCGA-L**
2 NO	Black	**AEPMCBB**	**AEPMCBB-L**
2 NO	Red	**AEPMCRB**	**AEPMCRB-L**
2 NO	Green	**AEPMCGB**	**AEPMCGB-L**
1 NC	Black	**AEPMCBC**	**AEPMCBC-L**
1 NC	Red	**AEPMCRC**	**AEPMCRC-L**
1 NC	Green	**AEPMCGC**	**AEPMCGC-L**

Contacts ①	Lens Color	Catalog Number Short Barrel	Catalog Number Long Barrel
2 NC	Black	**AEPMCBD**	**AEPMCBD-L**
2 NC	Red	**AEPMCRD**	**AEPMCRD-L**
2 NC	Green	**AEPMCGD**	**AEPMCGD-L**
1 NO and 1 NC	Black	**AEPMCBE**	**AEPMCBE-L**
1 NO and 1 NC	Red	**AEPMCRE**	**AEPMCRE-L**
1 NO and 1 NC	Green	**AEPMCGE**	**AEPMCGE-L**
2 NO and 2 NC	Black	**AEPMCBF**	**AEPMCBF-L**
2 NO and 2 NC	Red	**AEPMCRF**	**AEPMCRF-L**
2 NO and 2 NC	Green	**AEPMCGF**	**AEPMCGF-L**

① *NO = Normally Open; NC = Normally Closed.*

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.

© June 2022

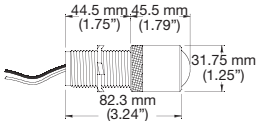
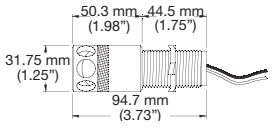
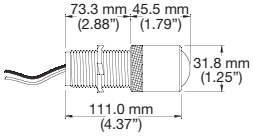
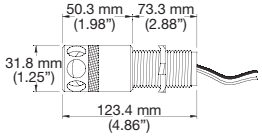
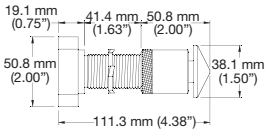
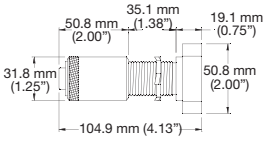
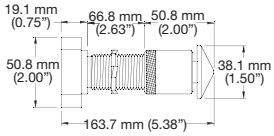
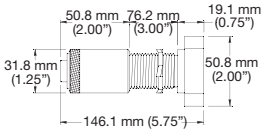
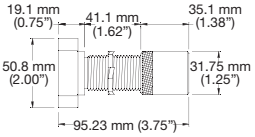
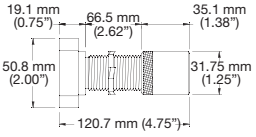
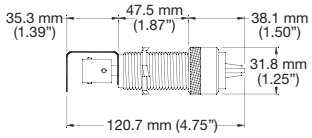
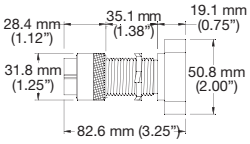
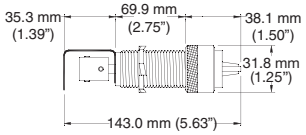
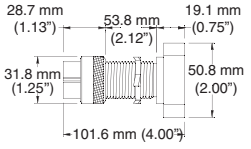
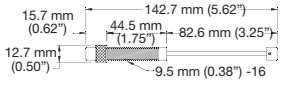
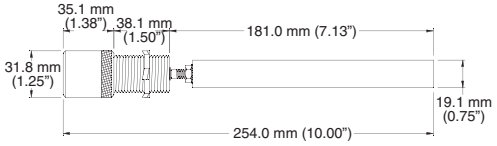
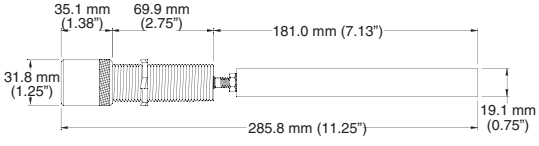
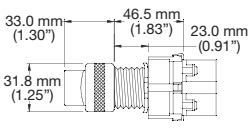
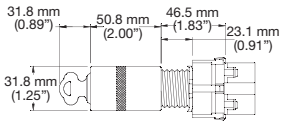
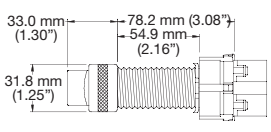
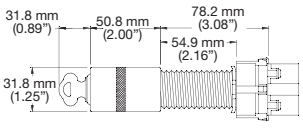
ACSEW Control Operators

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

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

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**

© June 2022