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

APPLETON

EMERSON

ACSEW Cast Control Center Options and Accessories

Explosionproof, Dust-Ignitionproof

Round Windows ②

Catalog Number	Description
AW5	3" Viewing Area, Round Group B
AW6	4" Viewing Area, Round Group B
AW7	5" Viewing Area, Round Group B
AW10	7" Viewing Area, Round Group B
AW12	9" Viewing Area, Round Group B

Circuit Breaker Operators

Catalog Number	Description
AV1W	150AF Circuit Breaker Mechanism
AV2W	250AF Circuit Breaker Mechanism

Options

Factory Installed Suffix	Field Installed Catalog Number	Description
AB	N/A	Set of 4 standoffs 1/2" high
BR	BRTB4X	Breather, NEMA 4X (includes outlet and installation)
DN	DRNB4X	Drain, NEMA 4X (includes outlet and installation)
EGS	N/A	External grounding stud 3/8"-16
G1	N/A	Gray Powder Coat Epoxy (outside)
G2	N/A	Gray Powder Coat Epoxy to provide NEMA 4X rating (inside and outside)
H		Hinges stainless steel
	AHOF12SS	Hinge Kit, 2 light duty SS hinges
	AHOF22SS	Hinge Kit, 2 heavy duty SS hinges
	AHOF23SS	Hinge Kit, 3 heavy duty SS hinges
K ①	N/A	Terminal blocks 600 Vac, 30 Amp (example: 5 points = 5K)
NP	N/A	Plastic nameplate, 2" x 4", 1/8" black letters on white surface, 3 lines max., specify legend.
NPSM75	N/A	3/4" NPSM Drill and Tap
Z	See Options and Accessories	Mounting pan

Mounting Hardware

Field Installed Catalog Number	Description
AMH1	1/4" - 20 x 1-1/4" Bolt, 1/4" - 20 Hex Nut, 1/4" Washers
AMH2	3/8" - 16 x 1-1/4" Bolt, 3/8" - 16 Hex Nut, 3/8" Washers
AMH3	7/16" - 14 x 1-3/4" Bolt, 7/16" - 14 Hex Nut, 7/16" Washers
AMH4	1/2" - 13 x 1-3/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers
AMH5	1/2" - 13 x 2" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers
AMH6	5/8" - 11 x 2" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers
AMH7	1/2" - 13 x 1-1/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers
AMH8	5/8" - 11 x 1-1/4" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers

Drill and Tap Options

Symbol	Conduit Size (Inches — NPT)
A	1/2
B	3/4
C	1
D	1-1/4
E	1-1/2
F	2
G	2-1/2
H	3
J	3-1/2
K	4

Blind Tapped Holes

Suffix	Screw Size
BT1	#6 - 1/4"
BT2	5/16" - 1/2"

① *Indicate number of points.*
② *Windows are not available for ACSEW206008 or ACSEW184806.*

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

APPLETON™

EMERSON

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

APPLETON

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

Optional Features

Item Description	Suffix
Keyed Alike *(Selector Switches)*	**KA1**
Additional Keys *(Keyed Selector Switches)*	**441-KEYS**

NOTE: Additional keys may only be purchased when ordering devices.
Keys may not be purchased for devices installed in the field.

Nameplates

Legend Plate	Catalog Number
Start	**A441-01**
Stop	**A441-02**
High	**A441-03**
Low	**A441-04**
On	**A441-05**
Off	**A441-06**
Forward	**A441-07**
Reverse	**A441-08**
Open	**A441-09**
Close	**A441-10**
Up	**A441-11**
Down	**A441-12**
Reset	**A441-13**
Run	**A441-14**
Trip	**A441-15**
Blank	**A441-16**
Emergency Stop (Red)	**A441-17**
Custom Engraved Legend Plates (Specify Lettering)	**A441-16SP**
Off—On	**A441-20**
Open—Close	**A441-21**
For—Rev	**A441-22**
High—Low	**A441-23**
Start—Stop	**A441-24**
Up—Down	**A441-25**
Local—Remote	**A441-26**
Hand—Off—Auto	**A441-30**
For—Off—Rev	**A441-31**
Open—Off—Close	**A441-32**
Off—Low—High	**A441-33**
Push to Start—Push to Stop	**A441-40**

Accessories

Lamp Description	Catalog Number
6 Vac Lamp	**A6S6-6V**
12 Vac Lamp	**A6S6-12V**
24 Vac Lamp	**A6S6-24V**
48 Vac Lamp	**A6S6-48V**
120 Vac Lamp	**A6S6-120V**
135 Vac Lamp	**A6S6-135V**
240 Vac Lamp	**A6S6-240V**

Pilot Light Replacement Kit — Pilot Lights (120 V)

Catalog Number	Lens Color
Amber	**AEPRLAA**
Blue	**AEPRLAB**
Clear	**AEPRLAC**
Green	**AEPRLAG**
Red	**AEPRLAR**

Guarded Pilot Lights (120 V)

Catalog Number	Lens Color
Amber	**AEPRLAA-G**
Blue	**AEPRLAB-G**
Clear	**AEPRLAC-G**
Green	**AEPRLAG-G**
Red	**AEPRLAR-G**

Push-to-Test Pilot Lights (120 V)

Catalog Number	Lens Color
Amber	**AEPTRLA-A**
Blue	**AEPTRLA-B**
Clear	**AEPTRLA-C**
Green	**AEPTRLA-G**
Red	**AEPTRLA-R**

Contact Block	Catalog Number
1 NO/1 NC	**A9001 KA1**
1 NO	**A9001 KA2**
1 NC	**A9001 KA3**

EMERSON