

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

ATEX/IECEx:

Zone 1 and 2 – 21 and 22
 Ⓢ II 2 GD
 IP66 – IK10

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

- Custom drilling and tapping.
- Gray epoxy powder coat available to provide NEMA 4X rating. Add suffix **-G2**.
- Standard product has UL and CSA certification. For cULus certification only, add suffix **-CUL**.
- ATEX complete product certification add suffix **-X**.
- ATEX U Component certification add suffix **-XU**.
- 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 E87975
- CSA Standards: C22.2 No. 14-M, C22.2 No. 24, C22.2 No. 30
- CSA Certified: 042130

ATEX/IECEx Certifications and Compliances

- Certification Type JBEW U2
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 G
 - ATEX/IEC Protection: Ex d IIB + H₂
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Ambient Temperature: -40 °C to +55 °C (-40 °F to +131 °F)



- CE Declaration of Conformity: 5C239
- ATEX Certificate: LCIE 06 ATEX 0010U
- IECEx Certificate: IECEx LCI 08.001X
- Internal Volume: > 2 dm³ (122 in³) - 2 liters
- Certification Type JBEW
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 G
 - ATEX/IEC Protection: Ex d IIB + H₂
 - Temperature Class: T6 to T4
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T80 °C to T130 °C (T176 °F to T266 °F)
 - Ambient Temperature: -40 °C to +55 °C (-40 °F to +131 °F)
 - CE Declaration of Conformity: 50279
 - ATEX Certificate: LCIE 07 ATEX 6069X
 - Internal Volume: > 2 dm³ (122 in³) - 2 liters
- Ingress Protection (solid and liquid): IP66
- Impact Resistance (shock): IK10
- Ex Standards: EN/IEC 60079-0; 60079-1; 61241-0; 61241-1
- Other Standards: EN/IEC 60529 (IP), 62262 (IK)

CONTROLS: NEC/CEC, ATEX/IECEx EXPLOSIONPROOF/FLAMEPROOF CONTROL STATIONS AND SWITCHES

Appleton®

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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

ATEX/IECEx:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10

CONTROLS: NEC/CEC, ATEX/IECEx EXPLOSIONPROOF/FLAMEPROOF CONTROL STATIONS AND SWITCHES

Overall Dimensions			Dimensions in Millimeters (Inches)					Inside Dimensions			Catalog Number ②③
F	E	G	A	AA	B	BB	W	H	Db	Dc	
227.1 (8.94)	342.9 (13.50)	155.7 (6.13)	108.0 (4.25)	179.3 (7.06)	287.3 (11.31)	201.7 (7.94)	128.5 (5.06)	241.3 (9.50)	88.9 (3.50)	28.7 (1.13)	ACSEW050903
264.2 (10.40)	315.0 (12.40)	165.1 (6.50)	115.8 (4.56)	231.9 (9.13)	268.2 (10.56)	114.3 (4.50)	152.4 (6.00)	203.2 (8.00)	95.3 (3.75)	19.1 (0.75)	ACSEW060804
270.0 (10.63)	387.4 (15.25)	171.5 (6.75)	139.7 (5.50)	217.4 (8.56)	333.5 (13.13)	217.4 (8.56)	155.7 (6.13)	273.1 (10.75)	96.8 (3.81)	36.6 (1.44)	ACSEW061004
270.0 (10.63)	422.4 (16.63)	162.1 (6.38)	115.8 (4.56)	231.9 (9.13)	385.8 (15.19)	215.9 (8.50)	155.7 (6.13)	308.1 (12.13)	103.1 (4.06)	25.4 (1.00)	ACSEW061204
279.4 (11.00)	520.7 (20.50)	174.8 (6.88)	152.4 (6.00)	230.1 (9.06)	457.2 (18.00)	379.5 (14.94)	165.1 (6.50)	406.4 (16.00)	104.9 (4.13)	35.1 (1.38)	ACSEW061604
311.2 (12.25)	403.4 (15.88)	254.0 (10.00)	162.1 (6.38)	222.3 (8.75)	338.1 (13.31)	277.9 (10.94)	187.5 (7.38)	289.1 (11.38)	149.4 (5.88)	63.5 (2.50)	ACSEW071106
311.2 (12.25)	311.2 (12.25)	209.6 (8.25)	114.3 (4.50)	273.1 (10.75)	273.1 (10.75)	114.3 (4.50)	203.2 (8.00)	203.2 (8.00)	146.1 (5.75)	19.1 (0.75)	ACSEW080806
317.5 (12.50)	368.3 (14.50)	215.9 (8.50)	177.8 (7.00)	273.1 (10.75)	317.5 (12.50)	165.1 (6.50)	203.2 (8.00)	254.0 (10.00)	146.1 (5.75)	19.1 (0.75)	ACSEW081006
317.5 (12.50)	443.0 (17.44)	263.7 (10.38)	162.0 (6.38)	254.0 (10.00)	401.6 (15.81)	215.9 (8.50)	203.2 (8.00)	331.7 (13.06)	88.9 (3.50)	88.9 (3.50)	ACSEW081307
352.6 (13.88)	393.7 (15.50)	220.7 (8.69)	184.2 (7.25)	300.2 (11.82)	333.5 (13.13)	217.4 (8.56)	238.3 (9.38)	282.7 (11.13)	122.2 (4.81)	47.8 (1.88)	ACSEW091105
362.0 (14.25)	519.2 (20.44)	215.9 (8.50)	184.2 (7.25)	300.0 (11.81)	454.2 (17.88)	338.1 (13.31)	241.3 (9.50)	395.2 (15.56)	120.7 (4.75)	44.5 (1.75)	ACSEW091504
376.2 (14.81)	376.2 (14.81)	231.9 (9.13)	165.1 (6.50)	330.2 (13.00)	330.2 (13.00)	114.2 (4.50)	260.4 (10.25)	260.4 (10.25)	146.1 (5.75)	38.1 (1.50)	ACSEW101006
368.3 (14.50)	469.9 (18.50)	214.4 (8.44)	177.8 (7.00)	330.2 (13.00)	422.4 (16.63)	270.0 (10.63)	254.0 (10.00)	355.6 (14.00)	149.4 (5.88)	19.1 (0.75)	ACSEW101406
368.3 (14.50)	469.9 (18.50)	244.6 (9.63)	177.8 (7.00)	330.2 (13.00)	422.4 (16.63)	270.0 (10.63)	254.0 (10.00)	355.6 (14.00)	196.9 (7.75)	19.1 (0.75)	ACSEW101408
416.1 (16.38)	638.3 (25.13)	190.5 (7.50)	260.4 (10.25)	368.3 (14.50)	572.3 (22.53)	428.8 (16.88)	289.1 (11.38)	508.0 (20.00)	124.0 (4.88)	38.1 (1.50)	ACSEW112005
400.1 (15.75)	746.3 (29.38)	258.8 (10.19)	215.9 (8.50)	358.9 (14.13)	685.5 (27.00)	508.0 (20.00)	273.1 (10.75)	619.3 (24.38)	152.4 (6.00)	41.4 (1.63)	ACSEW112406
416.1 (16.38)	889.0 (35.00)	260.4 (10.25)	241.3 (9.50)	384.3 (15.13)	835.2 (32.88)	692.2 (27.25)	285.8 (11.25)	759.0 (29.88)	157.2 (6.19)	47.8 (1.88)	ACSEW113006
441.5 (17.38)	441.5 (17.38)	235.0 (9.25)	219.2 (8.63)	397.0 (15.63)	397.0 (15.63)	219.2 (8.63)	311.2 (12.25)	311.2 (12.25)	146.1 (5.75)	38.1 (1.50)	ACSEW121206
441.5 (17.38)	441.5 (17.38)	292.1 (11.50)	219.2 (8.63)	397.0 (15.63)	397.0 (15.63)	219.2 (8.63)	311.2 (12.25)	311.2 (12.25)	196.9 (7.75)	38.1 (1.50)	ACSEW121208
431.8 (17.00)	584.2 (23.00)	231.9 (9.13)	177.8 (7.00)	400.1 (15.75)	533.4 (21.00)	358.9 (14.13)	311.2 (12.25)	463.6 (18.25)	146.1 (5.75)	38.1 (1.50)	ACSEW121806
431.8 (17.00)	584.2 (23.00)	282.7 (11.13)	177.8 (7.00)	400.1 (15.75)	533.4 (21.00)	358.9 (14.13)	311.2 (12.25)	463.6 (18.25)	222.3 (8.75)	38.1 (1.50)	ACSEW121808
425.5 (16.75)	730.3 (28.75)	282.7 (11.13)	222.3 (8.75)	400.1 (15.75)	704.9 (27.75)	466.9 (18.38)	304.8 (12.00)	609.6 (24.00)	196.9 (7.75)	25.4 (1.00)	ACSEW122408
425.5 (16.75)	1035.1 (40.75)	301.8 (11.88)	222.3 (8.75)	400.1 (15.75)	1009.7 (39.75)	736.6 (29.00)	304.8 (12.00)	914.4 (36.00)	196.9 (7.75)	38.1 (1.50)	ACSEW123608 ①
457.2 (18.00)	1079.5 (42.50)	265.2 (10.44)	301.8 (11.88)	409.7 (16.13)	1035.1 (40.75)	857.3 (33.75)	346.2 (13.63)	962.2 (37.88)	155.7 (6.13)	38.1 (1.50)	ACSEW133806
492.3 (19.38)	492.3 (19.38)	242.8 (9.56)	247.7 (9.75)	425.5 (16.75)	425.5 (16.75)	247.7 (9.75)	374.7 (14.75)	374.7 (14.75)	146.1 (5.75)	35.1 (1.38)	ACSEW141406
492.3 (19.38)	492.3 (19.38)	293.6 (11.56)	247.7 (9.75)	425.5 (16.75)	425.5 (16.75)	247.7 (9.75)	374.7 (14.75)	374.7 (14.75)	196.9 (7.75)	35.1 (1.38)	ACSEW141408
498.6 (19.63)	736.6 (29.00)	304.8 (12.00)	333.5 (13.13)	476.3 (18.75)	698.5 (27.50)	457.2 (18.00)	378.0 (14.88)	616.0 (24.25)	203.2 (8.00)	38.1 (1.50)	ACSEW142408
539.8 (21.25)	1092.2 (43.00)	306.3 (12.06)	349.3 (13.75)	498.6 (19.63)	1047.8 (41.25)	812.8 (32.00)	397.0 (15.63)	37.25 (946.2)	189.0 (7.44)	38.1 (1.50)	ACSEW153707
533.4 (21.00)	533.4 (21.00)	249.2 (9.81)	279.4 (11.00)	501.7 (19.75)	501.7 (19.75)	279.4 (11.00)	419.1 (16.50)	419.1 (16.50)	146.1 (5.75)	38.1 (1.50)	ACSEW161606
533.4 (21.00)	533.4 (21.00)	314.7 (12.39)	279.4 (11.00)	501.7 (19.75)	501.7 (19.75)	279.4 (11.00)	419.1 (16.50)	419.1 (16.50)	212.9 (8.38)	38.1 (1.50)	ACSEW161608
543.1 (21.38)	593.9 (23.38)	382.5 (15.06)	304.8 (12.00)	482.6 (19.00)	533.4 (21.00)	355.6 (14.00)	412.8 (16.25)	463.6 (18.25)	301.8 (11.88)	9.7 (0.38)	ACSEW161812
546.1 (21.50)	693.7 (27.31)	230.1 (9.06)	330.2 (13.00)	505.0 (19.88)	641.4 (25.25)	393.7 (15.50)	417.6 (16.44)	571.5 (22.50)	146.1 (5.75)	31.8 (1.25)	ACSEW162206 ①
533.4 (21.00)	711.2 (28.00)	308.1 (12.13)	323.9 (12.75)	501.7 (19.75)	704.9 (27.75)	466.9 (18.38)	412.8 (16.25)	616.0 (24.25)	209.6 (8.25)	38.1 (1.50)	ACSEW162408
527.1 (20.75)	831.9 (32.75)	219.2 (8.63)	330.2 (13.00)	476.3 (18.75)	781.1 (30.75)	533.4 (21.00)	412.8 (16.25)	717.6 (28.25)	146.1 (5.75)	38.1 (1.50)	ACSEW162806 ①
593.9 (23.38)	593.9 (23.38)	252.5 (9.94)	330.2 (13.00)	552.5 (21.75)	552.5 (21.75)	330.2 (13.00)	463.6 (18.25)	463.6 (18.25)	146.1 (5.75)	38.1 (1.50)	ACSEW181806
593.9 (23.38)	593.9 (23.38)	303.3 (11.94)	330.2 (13.00)	552.5 (21.75)	552.5 (21.75)	330.2 (13.00)	463.6 (18.25)	463.6 (18.25)	196.9 (7.75)	38.1 (1.50)	ACSEW181808
608.1 (23.94)	762.0 (30.00)	309.4 (12.18)	409.7 (16.13)	552.5 (21.75)	704.9 (27.75)	466.9 (18.38)	463.6 (18.25)	614.4 (24.19)	196.9 (7.75)	38.1 (1.50)	ACSEW182408
608.1 (23.94)	762.0 (30.00)	360.2 (14.18)	409.7 (16.13)	552.5 (21.75)	704.9 (27.75)	466.9 (18.38)	463.6 (18.25)	614.4 (24.19)	247.7 (9.75)	38.1 (1.50)	ACSEW182410
574.8 (22.63)	879.6 (34.63)	308.1 (12.13)	374.7 (14.75)	552.5 (21.75)	857.3 (33.75)	584.2 (23.00)	463.6 (18.25)	768.4 (30.25)	196.9 (7.75)	38.1 (1.50)	ACSEW183008
596.9 (23.50)	1060.5 (41.75)	312.7 (12.31)	279.4 (11.00)	552.5 (21.75)	1003.3 (39.50)	736.6 (29.00)	463.6 (18.25)	927.1 (36.50)	196.9 (7.75)	38.1 (1.50)	ACSEW183608
596.9 (23.50)	1060.5 (41.75)	363.5 (14.31)	279.4 (11.00)	552.5 (21.75)	1003.3 (39.50)	736.6 (29.00)	463.6 (18.25)	927.1 (36.50)	247.7 (9.75)	38.1 (1.50)	ACSEW183610
606.6 (23.88)	1216.2 (47.88)	301.8 (11.88)	406.4 (16.00)	584.2 (23.00)	1152.7 (45.38)	974.9 (38.38)	473.2 (18.63)	1073.2 (42.25)	177.8 (7.00)	38.1 (1.50)	ACSEW184207
635.0 (25.00)	1651.0 (65.00)	323.9 (12.75)	330.2 (13.00)	596.9 (23.50)	1612.9 (63.50)	1270.0 (50.00)	508.0 (20.00)	1524.0 (60.00)	174.8 (6.88)	38.1 (1.50)	ACSEW206008 ①
746.3 (29.38)	746.3 (29.38)	312.7 (12.31)	466.9 (18.38)	711.2 (28.00)	711.2 (28.00)	466.9 (18.38)	622.3 (24.50)	622.3 (24.50)	196.9 (7.75)	38.1 (1.50)	ACSEW242408
746.3 (29.38)	746.3 (29.38)	363.5 (14.31)	466.9 (18.38)	711.2 (28.00)	711.2 (28.00)	466.9 (18.38)	622.3 (24.50)	622.3 (24.50)	247.7 (9.75)	38.1 (1.50)	ACSEW242410 ①
736.6 (29.00)	889.0 (35.00)	330.2 (13.00)	457.2 (18.00)	711.2 (28.00)	863.6 (34.00)	584.2 (23.00)	609.6 (24.00)	762.0 (30.00)	203.2 (8.00)	49.3 (1.94)	ACSEW243008
781.1 (30.75)	1092.2 (43.00)	331.7 (13.06)	463.6 (18.25)	711.2 (28.00)	1016.0 (40.00)	736.6 (29.00)	616.0 (24.25)	920.8 (36.25)	196.9 (7.75)	41.4 (1.63)	ACSEW243608
781.1 (30.75)	1092.2 (43.00)	331.7 (13.06)	463.6 (18.25)	711.2 (28.00)	1016.0 (40.00)	736.6 (29.00)	616.0 (24.25)	920.8 (36.25)	247.7 (9.75)	41.4 (1.63)	ACSEW243610
914.4 (36.00)	1117.6 (44.00)	349.3 (13.75)	533.4 (21.00)	863.6 (34.00)	1066.8 (42.00)	736.6 (29.00)	762.0 (30.00)	965.2 (38.00)	196.9 (7.75)	50.8 (2.00)	ACSEW303808
914.4 (36.00)	1117.6 (44.00)	509.5 (20.06)	533.4 (21.00)	863.6 (34.00)	1066.8 (42.00)	736.6 (29.00)	762.0 (30.00)	965.2 (38.00)	196.9 (7.75)	196.9 (7.75)	ACSEW303816 ①

① These Cast Control Centers does not have ATEX certifications.
 ② ATEX complete product certification add suffix -X.
 ③ ATEX U Component certification add suffix -XU.

ACSEW Cast Control Centers

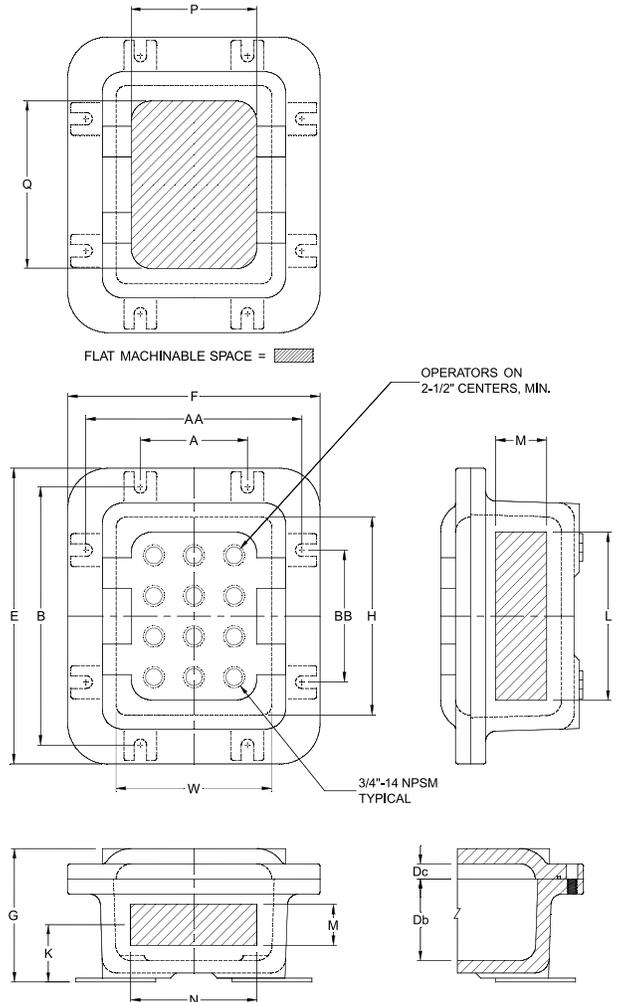
Explosionproof, Dust-Ignitionproof

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

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Dimensions in Millimeters (Inches)					
Flat Machinable Space		Conduit Area			
Q	P	L	N	M	K
231.9 (9.13)	117.6 (4.63)	228.6 (9.00)	115.8 (4.56)	65.0 (2.56)	50.8 (2.00)
158.8 (6.25)	108.0 (4.25)	171.5 (6.75)	120.7 (4.75)	57.2 (2.25)	63.5 (2.50)
263.7 (10.38)	146.1 (5.75)	252.5 (9.94)	136.7 (5.38)	55.6 (2.19)	50.8 (2.00)
257.3 (10.13)	104.9 (4.13)	279.4 (11.00)	127.0 (5.00)	58.7 (2.31)	57.2 (2.25)
331.7 (13.06)	139.7 (5.50)	384.3 (15.13)	143.0 (5.63)	57.2 (2.25)	58.7 (2.31)
277.9 (10.94)	189.0 (7.44)	247.7 (9.75)	158.8 (6.25)	104.9 (4.13)	85.9 (3.38)
158.8 (6.25)	158.8 (6.25)	146.1 (5.75)	146.1 (5.75)	95.3 (3.75)	82.6 (3.25)
209.6 (8.25)	158.8 (6.25)	216.2 (8.51)	158.8 (6.25)	101.6 (4.00)	88.9 (3.50)
360.4 (14.19)	228.6 (9.00)	285.8 (11.25)	160.3 (6.31)	44.5 (1.75)	69.9 (2.75)
282.7 (11.13)	238.3 (9.38)	238.3 (9.38)	193.8 (7.63)	82.6 (3.25)	82.6 (3.25)
314.5 (12.38)	158.8 (6.25)	362.7 (14.28)	200.2 (7.88)	88.9 (3.50)	76.2 (3.00)
182.6 (7.19)	182.6 (7.19)	179.3 (7.06)	179.3 (7.06)	76.2 (3.00)	85.9 (3.38)
323.9 (12.75)	222.3 (8.75)	311.2 (12.25)	209.6 (8.25)	84.1 (3.31)	79.5 (3.13)
323.9 (12.75)	222.3 (8.75)	311.2 (12.25)	209.6 (8.25)	157.2 (6.19)	112.8 (4.44)
433.3 (17.06)	212.9 (8.38)	452.4 (17.81)	238.3 (9.38)	63.5 (2.50)	88.9 (3.50)
543.1 (21.38)	196.9 (7.75)	574.8 (22.63)	231.9 (9.13)	106.4 (4.19)	101.6 (4.00)
666.8 (26.25)	193.8 (7.63)	701.8 (27.63)	230.1 (9.06)	103.1 (4.06)	106.4 (4.19)
235.0 (9.25)	235.0 (9.25)	266.7 (10.50)	266.7 (10.50)	95.3 (3.75)	95.3 (3.75)
235.0 (9.25)	235.0 (9.25)	266.7 (10.50)	266.7 (10.50)	153.9 (6.06)	120.7 (4.75)
387.4 (15.25)	235.0 (9.25)	382.5 (15.06)	230.1 (9.06)	76.2 (3.00)	88.9 (3.50)
387.4 (15.25)	235.0 (9.25)	382.5 (15.06)	230.1 (9.06)	127.0 (5.00)	108.0 (4.25)
558.8 (22.00)	254.0 (10.00)	557.3 (21.94)	247.7 (9.75)	139.7 (5.50)	108.0 (4.25)
844.6 (33.25)	241.3 (9.50)	873.3 (34.38)	238.3 (9.38)	139.7 (5.50)	115.8 (4.56)
892.3 (35.13)	270.0 (10.63)	908.1 (35.75)	292.1 (11.50)	98.6 (3.88)	109.5 (4.31)
279.4 (11.00)	279.4 (11.00)	317.5 (12.50)	317.5 (12.50)	88.9 (3.50)	98.6 (3.88)
279.4 (11.00)	279.4 (11.00)	317.5 (12.50)	317.5 (12.50)	139.7 (5.50)	101.6 (4.00)
539.8 (21.25)	301.8 (11.88)	558.8 (22.00)	320.8 (12.63)	155.7 (6.13)	101.6 (4.00)
863.6 (34.00)	390.7 (15.38)	890.5 (35.06)	339.9 (13.38)	125.5 (4.94)	133.4 (5.25)
336.6 (13.25)	336.6 (13.25)	355.6 (14.00)	355.6 (14.00)	88.9 (3.50)	98.6 (3.88)
336.6 (13.25)	336.6 (13.25)	355.6 (14.00)	355.6 (14.00)	155.7 (6.13)	124.0 (4.88)
425.5 (16.75)	374.7 (14.75)	409.7 (16.13)	355.6 (14.00)	252.5 (9.94)	177.8 (7.00)
482.6 (19.00)	330.2 (13.00)	496.8 (19.56)	344.4 (13.56)	57.2 (2.25)	84.1 (3.31)
539.8 (21.25)	336.6 (13.25)	558.8 (22.00)	355.6 (14.00)	152.4 (6.00)	134.9 (5.31)
641.4 (25.25)	336.6 (13.25)	636.5 (25.06)	331.7 (13.06)	44.5 (1.75)	79.5 (3.13)
387.4 (15.25)	387.4 (15.25)	406.4 (16.00)	406.4 (16.00)	88.9 (3.50)	104.9 (4.13)
387.4 (15.25)	387.4 (15.25)	406.4 (16.00)	406.4 (16.00)	139.7 (5.50)	114.3 (4.50)
539.8 (21.25)	387.4 (15.25)	552.5 (21.75)	400.1 (15.75)	139.7 (5.50)	128.5 (5.06)
539.8 (21.25)	387.4 (15.25)	552.5 (21.75)	400.1 (15.75)	190.5 (7.50)	146.1 (5.75)
692.2 (27.25)	387.4 (15.25)	711.2 (28.00)	406.4 (16.00)	139.7 (5.50)	120.7 (4.75)
850.9 (33.50)	368.3 (14.50)	866.9 (34.13)	401.6 (15.81)	139.7 (5.50)	120.7 (4.75)
850.9 (33.50)	368.3 (14.50)	866.9 (34.13)	401.6 (15.81)	190.5 (7.50)	139.7 (5.50)
997.0 (39.25)	397.0 (15.63)	1038.4 (40.88)	435.1 (17.13)	127.0 (5.00)	127.0 (5.00)
1432.1 (56.3)	416.1 (16.38)	1460.5 (57.50)	444.5 (17.50)	127.0 (5.00)	127.0 (4.75)
539.8 (21.25)	539.8 (21.25)	562.1 (22.13)	562.1 (22.13)	139.7 (5.50)	127.0 (5.00)
539.8 (21.25)	539.8 (21.25)	562.1 (22.13)	562.1 (22.13)	190.5 (7.50)	155.7 (6.13)
657.4 (25.88)	505.0 (19.88)	695.5 (27.38)	543.1 (21.38)	150.9 (5.94)	133.4 (5.25)
844.6 (33.25)	533.4 (21.00)	863.6 (34.00)	533.4 (21.00)	149.4 (5.88)	130.3 (5.13)
844.6 (33.25)	533.4 (21.00)	863.6 (34.00)	533.4 (21.00)	190.5 (7.50)	152.4 (6.00)
1013.0 (39.8)	809.8 (31.88)	879.6 (34.63)	676.4 (26.63)	120.7 (4.75)	155.7 (6.13)
1013.0 (39.8)	809.8 (31.88)	879.6 (34.63)	676.4 (26.63)	120.7 (4.75)	155.7 (6.13)

Dimensions in Millimeters (Inches)



CONTROLS: NEC/CEC, ATEX/IECEX EXPLOSIONPROOF/FLAMEPROOF CONTROL STATIONS AND SWITCHES



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

IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX/IEC
 IP66 – IK10

CONTROLS: NEC/CEC, ATEX/IECEX EXPLOSIONPROOF/FLAMEPROOF CONTROL STATIONS AND SWITCHES

Catalog Number ①	Maximum Window Size Group B, C, D in Millimeters (Inches)	Maximum Number of Operators ②	Number of Rows (Tall) (Wide)		Cover Thickness Millimeters (Inches)	Maximum Conduit Size (NPT)	Approximate Weight Kgs (Lbs)	Mounting Hardware Catalog Number
ACSEW050903	N/A	8	4	2	12.7 (0.50)	1.50	9.5 (21)	AMH2
ACSEW060804	N/A	6	3	2	19.1 (0.75)	2.00	9.1 (20)	AMH2
ACSEW061004	N/A	8	4	2	16.0 (0.63)	1.50	12.2 (27)	AMH2
ACSEW061204	N/A	8	4	2	16.0 (0.63)	2.00	15.9 (25)	AMH2
ACSEW061604	N/A	10	5	2	16.0 (0.63)	1.50	14.5 (32)	AMH2
ACSEW071106	76.2 (3.00)	12	6	2	19.1 (0.75)	2.00	15.9 (35)	AMH2
ACSEW080806	76.2 (3.00)	9	3	3	19.1 (0.75)	2.00	13.6 (30)	AMH2
ACSEW081006	76.2 (3.00)	9	3	3	19.1 (0.75)	2.00	16.4 (36)	AMH4
ACSEW081307	76.2 (3.00)	15	5	3	19.1 (0.75)	2.00	13.6 (30)	AMH2
ACSEW091105	101.6 (4.00)	16	4	4	17.5 (0.69)	2.00	10.0 (22)	AMH2
ACSEW091504	76.2 (3.00)	15	5	3	19.1 (0.75)	2.00	15.0 (33)	AMH2
ACSEW101006	101.6 (4.00)	9	3	3	19.1 (0.75)	2.00	20.0 (44)	AMH2
ACSEW101406	101.6 (4.00)	20	5	4	19.1 (0.75)	2.00	25.0 (55)	AMH4
ACSEW101408	101.6 (4.00)	20	5	4	19.1 (0.75)	4.00	27.2 (60)	AMH2
ACSEW112005	101.6 (4.00)	21	7	3	22.4 (0.88)	3.00	38.6 (85)	AMH8
ACSEW112406	101.6 (4.00)	27	9	3	22.4 (0.88)	3.00	32.7 (72)	AMH8
ACSEW113006	2 @ 101.6 (4.00)	33	11	3	22.4 (0.88)	3.00	51.3 (113)	AMH8
ACSEW121206	101.6 (4.00)	16	4	4	19.1 (0.75)	3.00	29.5 (65)	AMH8
ACSEW121208	101.6 (4.00)	16	4	4	19.1 (0.75)	3.50	31.8 (70)	AMH8
ACSEW121806	101.6 (4.00)	24	6	4	19.1 (0.75)	4.00	40.9 (90)	AMH5
ACSEW121808	101.6 (4.00)	24	6	4	19.1 (0.75)	4.00	45.8 (101)	AMH5
ACSEW122408	101.6 (4.00)	36	9	4	25.4 (1.00)	4.00	62.6 (138)	AMH4
ACSEW123608 ③	3 @ 127.0 (5.00)	39	13	3	28.7 (1.13)	4.00	98.9 (218)	AMH5
ACSEW133806	3 @ 127.0 (5.00)	56	14	4	25.4 (1.00)	3.50	86.2 (190)	AMH8
ACSEW141406	127.0 (5.00)	16	4	4	19.1 (0.75)	3.50	44.5 (98)	AMH8
ACSEW141408	127.0 (5.00)	16	4	4	19.1 (0.75)	3.00	47.6 (105)	AMH8
ACSEW142408	177.8 (7.00)	40	8	5	25.4 (1.00)	4.00	59.4 (131)	AMH6
ACSEW153707	2 @ 228.6 (9.00)	65	13	5	28.7 (1.13)	4.00	113.4 (250)	AMH8
ACSEW161606	228.6 (9.00)	25	5	5	25.4 (1.00)	3.50	59.9 (132)	AMH8
ACSEW161608	228.6 (9.00)	25	5	5	25.4 (1.00)	4.00	63.5 (140)	AMH8
ACSEW161812	228.6 (9.00)	42	7	6	31.8 (1.25)	4.00	68.0 (150)	AMH8
ACSEW162206 ③	228.6 (9.00)	35	7	5	31.8 (1.25)	3.00	59.0 (130)	AMH8
ACSEW162408	228.6 (9.00)	40	8	5	26.9 (1.06)	4.00	81.6 (180)	AMH6
ACSEW162806 ③	2 @ 228.6 (9.00)	50	10	5	25.4 (1.00)	3.00	68.0 (150)	AMH8
ACSEW181806	228.6 (9.00)	36	6	6	23.9 (0.94)	3.50	85.3 (188)	AMH8
ACSEW181808	228.6 (9.00)	36	6	6	23.9 (0.94)	4.00	89.8 (198)	AMH8
ACSEW182408	228.6 (9.00)	48	8	6	33.3 (1.31)	4.00	101.6 (224)	AMH8
ACSEW182410	228.6 (9.00)	48	8	6	33.3 (1.31)	4.00	106.6 (235)	AMH8
ACSEW183008	2 @ 228.6 (9.00)	66	11	6	31.8 (1.25)	4.00	120.2 (265)	AMH5
ACSEW183608	2 @ 228.6 (9.00)	78	13	6	28.7 (1.13)	4.00	113.4 (250)	AMH8
ACSEW183610	2 @ 228.6 (9.00)	78	13	6	28.7 (1.13)	4.00	122.5 (270)	AMH8
ACSEW184207	2 @ 228.6 (9.00)	90	15	6	31.8 (1.25)	4.00	140.6 (310)	AMH8
ACSEW206008 ③	3 @ 228.6 (9.00)	132	22	6	25.4 (1.00)	4.00	236.3 (521)	AMH6
ACSEW242408	228.6 (9.00)	64	8	8	28.7 (1.13)	4.00	102.1 (225)	AMH8
ACSEW242410 ③	228.6 (9.00)	64	8	8	28.7 (1.13)	4.00	108.9 (240)	AMH8
ACSEW243008	2 @ 177.8 (7.00)	80	10	8	28.7 (1.13)	4.00	190.5 (420)	AMH8
ACSEW243608	2 @ 228.6 (9.00)	104	13	8	38.1 (1.50)	4.00	190.5 (420)	AMH5
ACSEW243610	2 @ 228.6 (9.00)	104	13	8	38.1 (1.50)	4.00	204.1 (450)	AMH5
ACSEW303808	4 @ 228.6 (9.00)	130	13	10	44.5 (1.75)	4.00	272.1 (600)	AMH6
ACSEW303816 ③	4 @ 228.6 (9.00)	130	13	10	44.5 (1.75)	4.00	362.9 (800)	AMH6

Due to the nature of the sand cast process, external dimensions are subject to vary +/- 3.2 mm (0.125").
 ① ATEX complete product certification will bear an **X** suffix. ATEX U Component certification will bear an **XU** suffix.
 ② With window installed contact your local representative for maximum number of operators.
 ③ These Cast Control Centers does not have ATEX certifications.

ACSEW Cast Control Center Options and Accessories

Explosionproof, Dust-Ignitionproof

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ATEX/IECEx:

Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10

Round Windows

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

Square Windows

Contact your local representative

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 (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.

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Operators/Pilot Devices

Factory Installed Suffix	Description
A2X	2-Pos Selector Switch
A3X	3-Pos Selector Switch
A31X	Spring Return From Left to Center
A32X	Spring Return From Right to Center
A33X	Spring Return From Left and Right to Center
A34X	3-Pos Selector Switch - Key Operated
L1	Amber Pilot Light, 120 Vac
L12	Amber Pilot Light, 240 Vac
L14	Amber Pilot Light, 480 Vac
L12G	Amber Pilot Light, 240 Vac, Guarded
L14G	Amber Pilot Light, 480 Vac, Guarded
L1G	Amber Pilot Light, 120 Vac, Guarded
L2	Blue Pilot Light, 120 Vac
L22	Blue Pilot Light, 240 Vac
L24	Blue Pilot Light, 480 Vac
L22G	Blue Pilot Light, 240 Vac, Guarded
L24G	Blue Pilot Light, 480 Vac, Guarded
L2G	Blue Pilot Light, 120 Vac, Guarded
L3	Clear Pilot Light, 120 Vac
L32	Clear Pilot Light, 240 Vac
L34	Clear Pilot Light, 480 Vac
L32G	Clear Pilot Light, 240 Vac, Guarded
L34G	Clear Pilot Light, 480 Vac, Guarded
L3G	Clear Pilot Light, 120 Vac, Guarded
L4	Green Pilot Light, 120 Vac
L42	Green Pilot Light, 240 Vac
L44	Green Pilot Light, 480 Vac
L42G	Green Pilot Light, 240 Vac, Guarded
L4G	Green Pilot Light, 120 Vac, Guarded
L5	Red Pilot Light, 120 Vac

Factory Installed Suffix	Description
L52	Red Pilot Light, 240 Vac
L54	Red Pilot Light, 480 Vac
L52G	Red Pilot Light, 240 Vac, Guarded
L5G	Red Pilot Light, 120 Vac, Guarded
LP1X	Amber Lighted Push Button, 120 Vac
LP12X	Amber Lighted Push Button, 240 Vac
LP14X	Amber Lighted Push Button, 480 Vac
LP2X	Blue Lighted Push Button, 120 Vac
LP22X	Blue Lighted Push Button, 240 Vac
LP24X	Blue Lighted Push Button, 480 Vac
LP3X	Clear Lighted Push Button, 120 Vac
LP32X	Clear Lighted Push Button, 240 Vac
LP34X	Clear Lighted Push Button, 480 Vac
LP4X	Green Lighted Push Button, 120 Vac
LP42X	Green Lighted Push Button, 240 Vac
LP44X	Green Lighted Push Button, 480 Vac
LP4X	Green Lighted Push Button, 120 Vac
LP52X	Red Lighted Push Button, 240 Vac
LP54X	Red Lighted Push Button, 480 Vac
PO1	Potentiometer Operator, Short Barrel
PO2	Potentiometer Operator, Long Barrel
RS	Reset Button
S1X	Start Button
S2X	Stop Button
S3X	Start/Stop Button
S4X	Emergency Stop
S5X	Emergency Stop, Maintained
S6X	Black Push Button, NO
S7X	Black Push Button, NC
S8X	Black Push Button, NO/NC

CONTROLS: NEC/CEC, ATEX/IECEX EXPLOSIONPROOF/FLAMEPROOF CONTROL STATIONS AND SWITCHES



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ATEX/IECEX:
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Mounting Pans

Mounting Pan Catalog Number	Junction Box Catalog Number	Overall Dimensions in Millimeters (Inches)	
		W	H
AZ-593	ACSEW050903	88.9 (3.50)	215.9 (8.50)
AZ-684	ACSEW060804	114.3 (4.50)	165.1 (6.50)
AZ-6104	ACSEW061004	127.0 (5.00)	254.0 (10.00)
AZ-6124	ACSEW061204	139.7 (5.50)	279.4 (11.00)
AZ-6164	ACSEW061604	13.4 (5.25)	381.0 (15.00)
AZ-7116	ACSEW071106	165.1 (6.50)	254.0 (10.00)
AZ-886	ACSEW080806	165.1 (6.50)	165.1 (6.50)
AZ-8106	ACSEW081006	165.1 (6.50)	215.9 (8.50)
AZ-8137	ACSEW081307	152.4 (6.00)	279.4 (11.00)
AZ-9115	ACSEW091105	209.6 (8.25)	254.0 (10.00)
AZ-9154	ACSEW091504	206.5 (8.13)	374.65 (14.75)
AZ-10104/6	ACSEW101006	190.5 (7.50)	190.5 (7.50)
AZ-10146/8	ACSEW101406	228.6 (9.00)	330.2 (13.00)
AZ-10146/8	ACSEW101408	228.6 (9.00)	330.2 (13.00)
AZ-11205	ACSEW112005	266.7 (10.50)	482.6 (19.00)
AZ-11246	ACSEW112406	251.0 (9.88)	590.6 (23.25)
AZ-11306	ACSEW113006	251.0 (9.88)	723.9 (28.50)
AZ-12126/8	ACSEW121206	266.7 (10.50)	266.7 (10.50)
AZ-12126/8	ACSEW121208	266.7 (10.50)	266.7 (10.50)
AZ-12186/8	ACSEW121806	266.7 (10.50)	419.1 (16.50)
AZ-12186/8	ACSEW121808	266.7 (10.50)	419.1 (16.50)
AZ-12248	ACSEW122408	273.1 (10.75)	574.8 (22.63)
AZ-12368	ACSEW123608	254.0 (10.00)	863.6 (34.00)
AZ-13386	ACSEW133806	292.1 (11.50)	924.1 (36.38)
AZ-14146/8	ACSEW141406	311.2 (12.25)	311.2 (12.25)

Mounting Pan Catalog Number	Junction Box Catalog Number	Overall Dimensions in Millimeters (Inches)	
		W	H
AZ-14146/8	ACSEW141408	311.2 (12.25)	311.2 (12.25)
AZ-14248	ACSEW142408	355.6 (14.00)	568.5 (22.38)
AZ-15377	ACSEW153707	368.3 (14.50)	901.7 (35.50)
AZ-16166/8	ACSEW161606	381.0 (15.00)	381.0 (15.00)
AZ-16166/8	ACSEW161608	381.0 (15.00)	381.0 (15.00)
AZ-161812	ACSEW161812	381.0 (15.00)	406.4 (16.00)
AZ-16226	ACSEW162206	355.6 (14.00)	508.0 (20.00)
AZ-16248	ACSEW162408	374.7 (14.75)	577.9 (22.75)
AZ-16286	ACSEW162806	355.6 (14.00)	660.4 (26.00)
AZ-18186/8	ACSEW181806	406.4 (16.00)	406.4 (16.00)
AZ-18186/8	ACSEW181808	406.4 (16.00)	406.4 (16.00)
AZ-18248/10	ACSEW182408	406.4 (16.00)	558.8 (22.00)
AZ-18248/10	ACSEW182410	406.4 (16.00)	558.8 (22.00)
AZ-18308	ACSEW183008	406.4 (16.00)	711.2 (28.00)
AZ-18368/10	ACSEW183608	431.8 (17.00)	882.7 (34.75)
AZ-18368/10	ACSEW183610	431.8 (17.00)	882.7 (34.75)
AZ-18427	ACSEW184207	431.8 (17.00)	1016.0 (40.00)
AZ-20608	ACSEW206008	457.2 (18.00)	1460.5 (57.50)
AZ-24248/10	ACSEW242408	558.8 (22.00)	558.8 (22.00)
AZ-24248/10	ACSEW242410	558.8 (22.00)	558.8 (22.00)
AZ-24308	ACSEW243008	571.5 (22.50)	711.2 (28.00)
AZ-24368/10	ACSEW243608	558.8 (22.00)	863.6 (34.00)
AZ-24368/10	ACSEW243610	558.8 (22.00)	863.6 (34.00)
AZ-30388	ACSEW303808	711.2 (28.00)	914.1 (36.00)
AZ-30388	ACSEW303816	711.2 (28.00)	914.1 (36.00)

CONTROL S, NEC/CEC, ATEX/IECEX EXPLOSIONPROOF/FLAMEPROOF CONTROL STATIONS AND SWITCHES

