

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

ATEX/IECEX — Optional ①:

Zone 1 and 2 – 21 and 22
Ex 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** ①.
- ATEX U Component certification add suffix **-XU** ①.
- For window installed option, contact your local representative for maximum number of operators.

NEC/CEC Certifications and Compliances

- UL Standards: UL 1203
- UL Classified: E10449
- 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 Ex II 2 G
 - ATEX/IEC Protection: Ex d IIB + H₂
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 Ex 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 Ex 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 Ex 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

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

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Explosionproof, Dust-Ignitionproof

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Class I, Division 1 and 2, Groups B, C, D
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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

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

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

Dimensions in Millimeters (Inches)											
Overall Dimensions			Mounting Dimensions			Inside Dimensions			Catalog		
F	E	G	A	AA	B	BB	W	H	Db	Dc	Number ③ ④
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 ②
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 ②
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 ②
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 ②
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 ②
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 ②

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

② These Cast Control Centers do not have ATEX certifications.

③ ATEX complete product certification add suffix -X.

④ 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

NEC/CEC — cULus Optional:

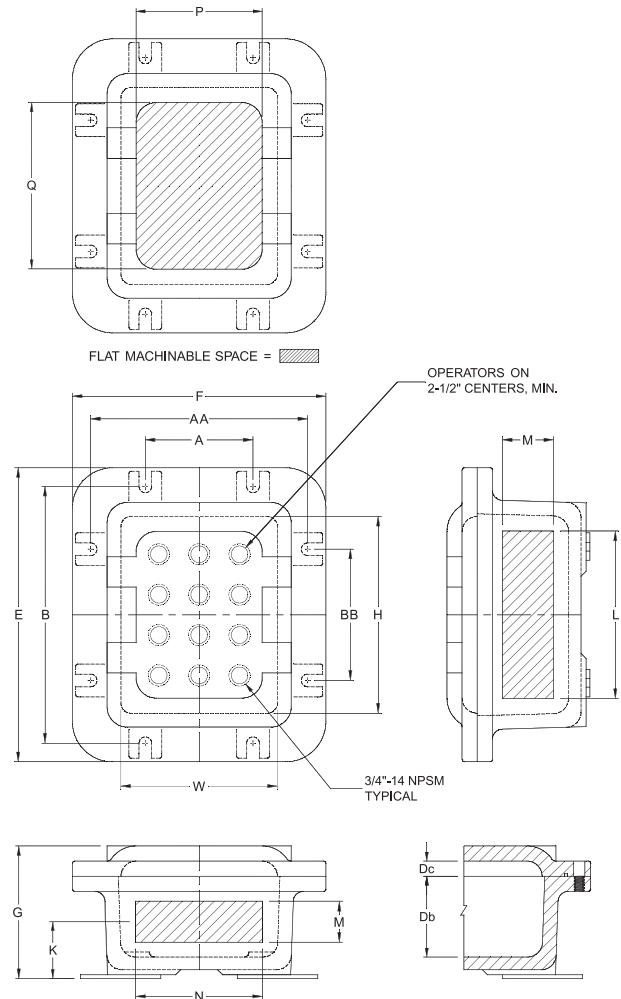
Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 7BCD, 9EFG

ATEX/IECEX — Optional ①:

Zone 1 and 2 – 21 and 22
Ex 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)	155.5 (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)	120.7 (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

Appleton®

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

Visit our website at www.emerson.com or contact us at (800) 621-1506.
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EMERSON

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

ATEX/IECEX — Optional ①:

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

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

Catalog Number ②	Maximum Window Size Group B, C, D in Millimeters (Inches)	Maximum Number of Operators ③	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 (35)	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 ④	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 ④	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 ④	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 ④	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 ④	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 ④	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 Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

② ATEX complete product certification will bear an -X suffix. ATEX U Component certification will bear an -XU suffix.

③ With window installed contact your local representative for maximum number of operators.

④ These Cast Control Centers does not have ATEX certifications.

ACSEW Cast Control Center Options and Accessories

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

ATEX/IECEX — Optional ①:
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 ②	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"

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② Indicate number of points.

ACSEW Cast Control Center Options and Accessories

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 Class II, Division 1 and 2, Groups E, F, G
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 NEMA 4, 7BCD, 9EFG

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

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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 NEMA 4, 7BCD, 9EFG

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

Mounting Pans

Mounting Pan Catalog Number	Junction Box Catalog Number	Overall Dimensions in Millimeters (Inches)		Mounting Pan Catalog Number	Junction Box Catalog Number	Overall Dimensions in Millimeters (Inches)	
		W	H			W	H
AZ-593	ACSEW050903	88.9 (3.50)	215.9 (8.50)	AZ-14146/8	ACSEW141408	311.2 (12.25)	311.2 (12.25)
AZ-684	ACSEW060804	114.3 (4.50)	165.1 (6.50)	AZ-14248	ACSEW142408	355.6 (14.00)	568.5 (22.38)
AZ-6104	ACSEW061004	127.0 (5.00)	254.0 (10.00)	AZ-15377	ACSEW153707	368.3 (14.50)	901.7 (35.50)
AZ-6124	ACSEW061204	139.7 (5.50)	279.4 (11.00)	AZ-16166/8	ACSEW161606	381.0 (15.00)	381.0 (15.00)
AZ-6164	ACSEW061604	13.4 (5.25)	381.0 (15.00)	AZ-16166/8	ACSEW161608	381.0 (15.00)	381.0 (15.00)
AZ-7116	ACSEW071106	165.1 (6.50)	254.0 (10.00)	AZ-161812	ACSEW161812	381.0 (15.00)	406.4 (16.00)
AZ-886	ACSEW080806	165.1 (6.50)	165.1 (6.50)	AZ-16226	ACSEW162206	355.6 (14.00)	508.0 (20.00)
AZ-8106	ACSEW081006	165.1 (6.50)	215.9 (8.50)	AZ-16248	ACSEW162408	374.7 (14.75)	577.9 (22.75)
AZ-8137	ACSEW081307	152.4 (6.00)	279.4 (11.00)	AZ-16286	ACSEW162806	355.6 (14.00)	660.4 (26.00)
AZ-9115	ACSEW091105	209.6 (8.25)	254.0 (10.00)	AZ-18186/8	ACSEW181806	406.4 (16.00)	406.4 (16.00)
AZ-9154	ACSEW091504	206.5 (8.13)	374.65 (14.75)	AZ-18186/8	ACSEW181808	406.4 (16.00)	406.4 (16.00)
AZ-10104/6	ACSEW101006	190.5 (7.50)	190.5 (7.50)	AZ-18248/10	ACSEW182408	406.4 (16.00)	558.8 (22.00)
AZ-10146/8	ACSEW101406	228.6 (9.00)	330.2 (13.00)	AZ-18248/10	ACSEW182410	406.4 (16.00)	558.8 (22.00)
AZ-10146/8	ACSEW101408	228.6 (9.00)	330.2 (13.00)	AZ-18308	ACSEW183008	406.4 (16.00)	711.2 (28.00)
AZ-11205	ACSEW112005	266.7 (10.50)	482.6 (19.00)	AZ-18368/10	ACSEW183608	431.8 (17.00)	882.7 (34.75)
AZ-11246	ACSEW112406	251.0 (9.88)	590.6 (23.25)	AZ-18368/10	ACSEW183610	431.8 (17.00)	882.7 (34.75)
AZ-11306	ACSEW113006	251.0 (9.88)	723.9 (28.50)	AZ-18427	ACSEW184207	431.8 (17.00)	1016.0 (40.00)
AZ-12126/8	ACSEW121206	266.7 (10.50)	266.7 (10.50)	AZ-20608	ACSEW206008	457.2 (18.00)	1460.5 (57.50)
AZ-12126/8	ACSEW121208	266.7 (10.50)	266.7 (10.50)	AZ-24248/10	ACSEW242408	558.8 (22.00)	558.8 (22.00)
AZ-12186/8	ACSEW121806	266.7 (10.50)	419.1 (16.50)	AZ-24248/10	ACSEW242410	558.8 (22.00)	558.8 (22.00)
AZ-12186/8	ACSEW121808	266.7 (10.50)	419.1 (16.50)	AZ-24308	ACSEW243008	571.5 (22.50)	711.2 (28.00)
AZ-12248	ACSEW122408	273.1 (10.75)	574.8 (22.63)	AZ-24368/10	ACSEW243608	558.8 (22.00)	863.6 (34.00)
AZ-12368	ACSEW123608	254.0 (10.00)	863.6 (34.00)	AZ-24368/10	ACSEW243610	558.8 (22.00)	863.6 (34.00)
AZ-13386	ACSEW133806	292.1 (11.50)	924.1 (36.38)	AZ-30388	ACSEW303808	711.2 (28.00)	914.1 (36.00)
AZ-14146/8	ACSEW141406	311.2 (12.25)	311.2 (12.25)	AZ-30388	ACSEW303816	711.2 (28.00)	914.1 (36.00)

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

Appleton®

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

ACSEW Control Operators: Push Button Components

Momentary 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

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

Catalog Numbering Guide

AE
 Appleton Explosionproof

P
 Push Button

D
 Dual Push Button:
 Omit for Single Push Button

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



AEPBA



AEPDGRA

Single Push Buttons

Contacts ②	Button Color	Catalog Number	
		Short Barrel	Long Barrel
1 NO	Black	AEPBA	AEPBA-L
1 NO	Red	AEPRA	AEPRA-L
1 NO	Green	AEPGA	AEPGA-L
2 NO	Black	AEPBB	AEPBB-L
2 NO	Red	AEPRB	AEPRB-L
2 NO	Green	AEPGB	AEPGB-L
1 NC	Black	AEPBC	AEPBC-L
1 NC	Red	AEPRC	AEPRC-L
1 NC	Green	AEPGC	AEPGC-L
2 NC	Black	AEPBD	AEPBD-L
2 NC	Red	AEPRD	AEPRD-L
2 NC	Green	AEPGD	AEPGD-L
1 NO and 1 NC	Black	AEPBE	AEPBE-L
1 NO and 1 NC	Red	AEPRE	AEPRE-L
1 NO and 1 NC	Green	AEPGE	AEPGE-L
2 NO and 2 NC	Black	AEPBF	AEPBF-L
2 NO and 2 NC	Red	AEPRF	AEPRF-L
2 NO and 2 NC	Green	AEPGF	AEPGF-L

Dual Push Buttons

Contacts ②	Button Color	Catalog Number	
		Short Barrel	Long Barrel
2 NO	Green/Red	AEPDGRB	AEPDGRB-L
2 NO	Black/Black	AEPDBBB	AEPDBBB-L
2 NC	Green/Red	AEPDGRD	AEPDGRD-L
2 NC	Black/Black	AEPDBBD	AEPDBBD-L
1 NO and 1 NC	Green/Red	AEPDGRE	AEPDGRE-L
1 NO and 1 NC	Black/Black	AEPDBBE	AEPDBBE-L
2 NO and 2 NC	Green/Red	AEPDGRF	AEPDGRF-L
2 NO and 2 NC	Black/Black	AEPDBBF	AEPDBBF-L

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

② 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" NPS

ACSEW Control Operators: Pilot Light Components

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

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

Catalog Numbering Guide

AE
NEC/CEC Certified
Appleton Explosionproof

PL
Pilot Light

G
Guard:
Omit for Standard Version
(no guard)

1
Voltage:
1 - 120 Vac Pigtail
2 - 240/120 Vac Transformer
3 - 120/6 Vac Transformer
4 - 480/120 Vac Transformer
5 - 600/120 Vac Transformer
6 - 6 Vac Pigtail
7 - 12 Vac Pigtail
8 - 24 Vac Pigtail
9 - 48 Vac Pigtail

A
Color:
A - Amber
B - Blue
C - Clear
R - Red
G - Green

L
Long Barrel:
Omit for Short Barrel



Voltage	Lens Color	Pilot Light Catalog Number		Guarded Pilot Light Catalog Number	
		Short Barrel	Long Barrel	Short Barrel	Long Barrel
120 Vac/Vdc Pigtail	Amber	AEPL1A ②	AEPL1A-L ②	AEPLG1A ②	AEPLG1A-L ②
	Red	AEPL1R ②	AEPL1R-L ②	AEPLG1R ②	AEPLG1R-L ②
	Green	AEPL1G ②	AEPL1G-L ②	AEPLG1G ②	AEPLG1G-L ②
	Clear	AEPL1C ②	AEPL1C-L ②	AEPLG1C ②	AEPLG1C-L ②
	Blue	AEPL1B ②	AEPL1B-L ②	AEPLG1B ②	AEPLG1B-L ②
240 Vac Transformer w/120 Vac Lamp	Amber	AEPL2A ③	AEPL2A-L ③	AEPLG2A ③	AEPLG2A-L ③
	Red	AEPL2R ③	AEPL2R-L ③	AEPLG2R ③	AEPLG2R-L ③
	Green	AEPL2G ③	AEPL2G-L ③	AEPLG2G ③	AEPLG2G-L ③
	Clear	AEPL2C ③	AEPL2C-L ③	AEPLG2C ③	AEPLG2C-L ③
	Blue	AEPL2B ③	AEPL2B-L ③	AEPLG2B ③	AEPLG2B-L ③
120 Vac Transformer w/6 Vac Lamp	Amber	AEPL3A ③	AEPL3A-L ③	AEPLG3A ③	AEPLG3A-L ③
	Red	AEPL3R ③	AEPL3R-L ③	AEPLG3R ③	AEPLG3R-L ③
	Green	AEPL3G ③	AEPL3G-L ③	AEPLG3G ③	AEPLG3G-L ③
	Clear	AEPL3C ③	AEPL3C-L ③	AEPLG3C ③	AEPLG3C-L ③
	Blue	AEPL3B ③	AEPL3B-L ③	AEPLG3B ③	AEPLG3B-L ③

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.
② For pilot light with ATEX Certification place an X suffix at the end of the catalog number; example: AEPL1AX.
③ Not available with ATEX Certification.

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.

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

Appleton®

ACSEW Control Operators: Pilot Light Components

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

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

Voltage	Lens Color	Pilot Light Catalog Number		Guarded Pilot Light Catalog Number	
		Short Barrel	Long Barrel	Short Barrel	Long Barrel
480 Vac Transformer w/120 Vac Lamp	Amber	AEPL4A ③	AEPL4A-L ③	AEPLG4A ③	AEPLG4A-L ③
	Red	AEPL4R ③	AEPL4R-L ③	AEPLG4R ③	AEPLG4R-L ③
	Green	AEPL4G ③	AEPL4G-L ③	AEPLG4G ③	AEPLG4G-L ③
	Clear	AEPL4C ③	AEPL4C-L ③	AEPLG4C ③	AEPLG4C-L ③
	Blue	AEPL4B ③	AEPL4B-L ③	AEPLG4B ③	AEPLG4B-L ③
600 Vac Transformer w/120 Vac Lamp	Amber	AEPL5A ③	AEPL5A-L ③	AEPLG5A ③	AEPLG5A-L ③
	Red	AEPL5R ③	AEPL5R-L ③	AEPLG5R ③	AEPLG5R-L ③
	Green	AEPL5G ③	AEPL5G-L ③	AEPLG5G ③	AEPLG5G-L ③
	Clear	AEPL5C ③	AEPL5C-L ③	AEPLG5C ③	AEPLG5C-L ③
	Blue	AEPL5B ③	AEPL5B-L ③	AEPLG5B ③	AEPLG5B-L ③
6 Vac/Vdc Pigtail	Amber	AEPL6A ②	AEPL6A-L ②	AEPLG6A ②	AEPLG6A-L ②
	Red	AEPL6R ②	AEPL6R-L ②	AEPLG6R ②	AEPLG6R-L ②
	Green	AEPL6G ②	AEPL6G-L ②	AEPLG6G ②	AEPLG6G-L ②
	Clear	AEPL6C ②	AEPL6C-L ②	AEPLG6C ②	AEPLG6C-L ②
	Blue	AEPL6B ②	AEPL6B-L ②	AEPLG6B ②	AEPLG6B-L ②
12 Vac/Vdc Pigtail	Amber	AEPL7A ②	AEPL7A-L ②	AEPLG7A ②	AEPLG7A-L ②
	Red	AEPL7R ②	AEPL7R-L ②	AEPLG7R ②	AEPLG7R-L ②
	Green	AEPL7G ②	AEPL7G-L ②	AEPLG7G ②	AEPLG7G-L ②
	Clear	AEPL7C ②	AEPL7C-L ②	AEPLG7C ②	AEPLG7C-L ②
	Blue	AEPL7B ②	AEPL7B-L ②	AEPLG7B ②	AEPLG7B-L ②
24 Vac/Vdc Pigtail	Amber	AEPL8A ②	AEPL8A-L ②	AEPLG8A ②	AEPLG8A-L ②
	Red	AEPL8R ②	AEPL8R-L ②	AEPLG8R ②	AEPLG8R-L ②
	Green	AEPL8G ②	AEPL8G-L ②	AEPLG8G ②	AEPLG8G-L ②
	Clear	AEPL8C ②	AEPL8C-L ②	AEPLG8C ②	AEPLG8C-L ②
	Blue	AEPL8B ②	AEPL8B-L ②	AEPLG8B ②	AEPLG8B-L ②
48 Vac/Vdc Pigtail	Amber	AEPL9A ②	AEPL9A-L ②	AEPLG9A ②	AEPLG9A-L ②
	Red	AEPL9R ②	AEPL9R-L ②	AEPLG9R ②	AEPLG9R-L ②
	Green	AEPL9G ②	AEPL9G-L ②	AEPLG9G ②	AEPLG9G-L ②
	Clear	AEPL9C ②	AEPL9C-L ②	AEPLG9C ②	AEPLG9C-L ②
	Blue	AEPL9B ②	AEPL9B-L ②	AEPLG9B ②	AEPLG9B-L ②

- ① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.
 ② For pilot light with ATEX Certification place an X suffix at the end of the catalog number; example: AEPL1AX.
 ③ Not available with ATEX Certification.

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: Lighted Push Button Components

Momentary 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

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

Catalog Numbering Guide

AE
 Appleton Explosionproof

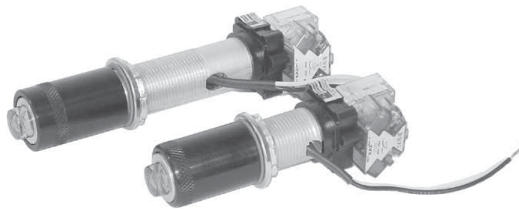
PT
 Push Button, Lighted

Voltage:
 Blank - 120 Vac
 8 - 24 Vac

A
 Color:
 A - Amber
 B - Blue
 C - Clear
 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



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

Appleton®

Contacts ②	Lens Color	Catalog Number	
		Short Barrel	Long Barrel
1 NO	Amber	AEPTAA	AEPTAA-L
1 NO	Red	AEPTRA	AEPTRA-L
1 NO	Green	AEPTGA	AEPTGA-L
1 NO	Clear	AEPTCA	AEPTCA-L
1 NO	Blue	AEPTBA	AEPTBA-L
2 NO	Amber	AEPTAB	AEPTAB-L
2 NO	Red	AEPTRB	AEPTRB-L
2 NO	Green	AEPTGB	AEPTGB-L
2 NO	Clear	AEPTCB	AEPTCB-L
2 NO	Blue	AEPTBB	AEPTBB-L
1 NC	Amber	AEPTAC	AEPTAC-L
1 NC	Red	AEPTRC	AEPTRC-L
1 NC	Green	AEPTGC	AEPTGC-L
1 NC	Clear	AEPTCC	AEPTCC-L
1 NC	Blue	AEPTBC	AEPTBC-L

Contacts ②	Lens Color	Catalog Number	
		Short Barrel	Long Barrel
2 NC	Amber	AEPTAD	AEPTAD-L
2 NC	Red	AEPTRD	AEPTRD-L
2 NC	Green	AEPTGD	AEPTGD-L
2 NC	Clear	AEPTCD	AEPTCD-L
2 NC	Blue	AEPTBD	AEPTBD-L
1 NO and 1 NC	Amber	AEPTAE	AEPTAE-L
1 NO and 1 NC	Red	AEPTRE	AEPTRE-L
1 NO and 1 NC	Green	AEPTGE	AEPTGE-L
1 NO and 1 NC	Clear	AEPTCE	AEPTCE-L
1 NO and 1 NC	Blue	AEPTBE	AEPTBE-L
2 NO and 2 NC	Amber	AEPTAF	AEPTAF-L
2 NO and 2 NC	Red	AEPTRF	AEPTRF-L
2 NO and 2 NC	Green	AEPTGF	AEPTGF-L
2 NO and 2 NC	Clear	AEPTCF	AEPTCF-L
2 NO and 2 NC	Blue	AEPTBF	AEPTBF-L

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

② 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.

ACSEW Control Operators: Mushroom Head Push Button Components

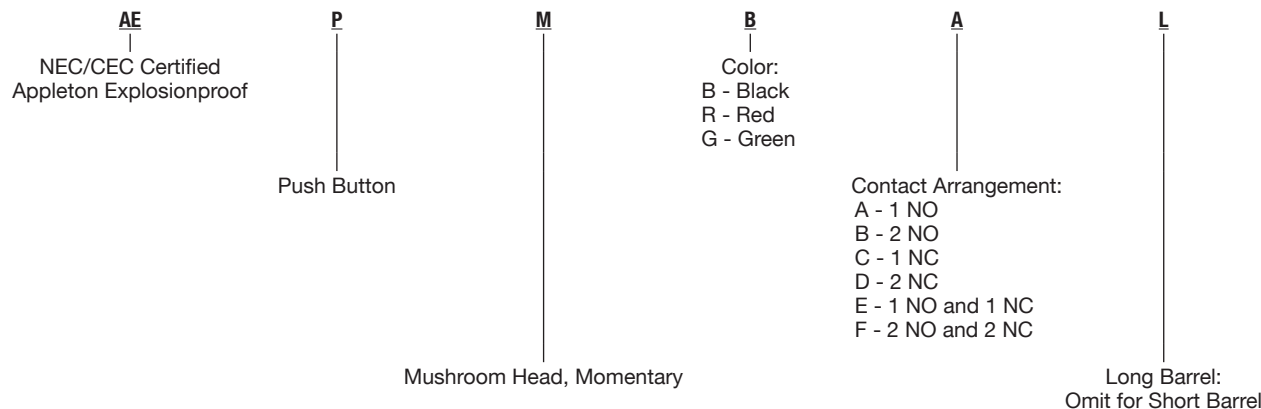
Momentary Contact. Explosionproof

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

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

Catalog Numbering Guide



Contacts ②	Lens Color	Catalog Number	
		Short Barrel	Long Barrel
1 NO	Black	AEPMBA	AEPMBA-L
1 NO	Red	AEPMRA	AEPMRA-L
1 NO	Green	AEPMGA	AEPMGA-L
2 NO	Black	AEPMBB	AEPMBB-L
2 NO	Red	AEPMRB	AEPMRB-L
2 NO	Green	AEPMGB	AEPMGB-L
1 NC	Black	AEPMBC	AEPMBC-L
1 NC	Red	AEPMRC	AEPMRC-L
1 NC	Green	AEPMGC	AEPMGC-L

Contacts ②	Lens Color	Catalog Number	
		Short Barrel	Long Barrel
2 NC	Black	AEPMBD	AEPMBD-L
2 NC	Red	AEPMRD	AEPMRD-L
2 NC	Green	AEPMGD	AEPMGD-L
1 NO and 1 NC	Black	AEPMBE	AEPMBE-L
1 NO and 1 NC	Red	AEPMRE	AEPMRE-L
1 NO and 1 NC	Green	AEPMGE	AEPMGE-L
2 NO and 2 NC	Black	AEPMBF	AEPMBF-L
2 NO and 2 NC	Red	AEPMRF	AEPMRF-L
2 NO and 2 NC	Green	AEPMGF	AEPMGF-L

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

② 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.

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

ATEX/IECEX — Optional ①:

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

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 ②	Lens Color	Catalog Number	
		Short Barrel	Long Barrel
1 NO	Black	AEPMCBA	AEPMCBA-L
1 NO	Red	AEPMCRA	AEPMCRA-L
1 NO	Green	AEPMCGA	AEPMCGA-L
2 NO	Black	AEPMCB B	AEPMCB B-L
2 NO	Red	AEPMCR B	AEPMCR B-L
2 NO	Green	AEPMCG B	AEPMCG B-L
1 NC	Black	AEPMCBC	AEPMCBC-L
1 NC	Red	AEPMCRC	AEPMCRC-L
1 NC	Green	AEPMCGC	AEPMCGC-L

Contacts ②	Lens Color	Catalog Number	
		Short Barrel	Long Barrel
2 NC	Black	AEPM CBD	AEPM CBD-L
2 NC	Red	AEPM CRD	AEPM CRD-L
2 NC	Green	AEPM CGD	AEPM CGD-L
1 NO and 1 NC	Black	AEPM CBE	AEPM CBE-L
1 NO and 1 NC	Red	AEPM CRE	AEPM CRE-L
1 NO and 1 NC	Green	AEPM CGE	AEPM CGE-L
2 NO and 2 NC	Black	AEPM CBF	AEPM CBF-L
2 NO and 2 NC	Red	AEPM CRF	AEPM CRF-L
2 NO and 2 NC	Green	AEPM CGF	AEPM CGF-L

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

② 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.

ACSEW Miniature Control Operators

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

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

Features

- Installation centers reduced to 1” centers.
- Allows selection of smaller enclosures.
- 3/8 - 16 thread.
- Stainless steel actuator shaft.
- Solid silver contacts rated 6 Amps at 125 Vac, 3 Amps at 250 Vac.



Contact Configuration	Catalog Number
DPDT Maintained	AEPMOB-3
DPDT Momentary	AEPMOB-4

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

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. Miniature operators are NOT 3/4" NPSM.

ACSEW Control Operators: Selector Switch Components

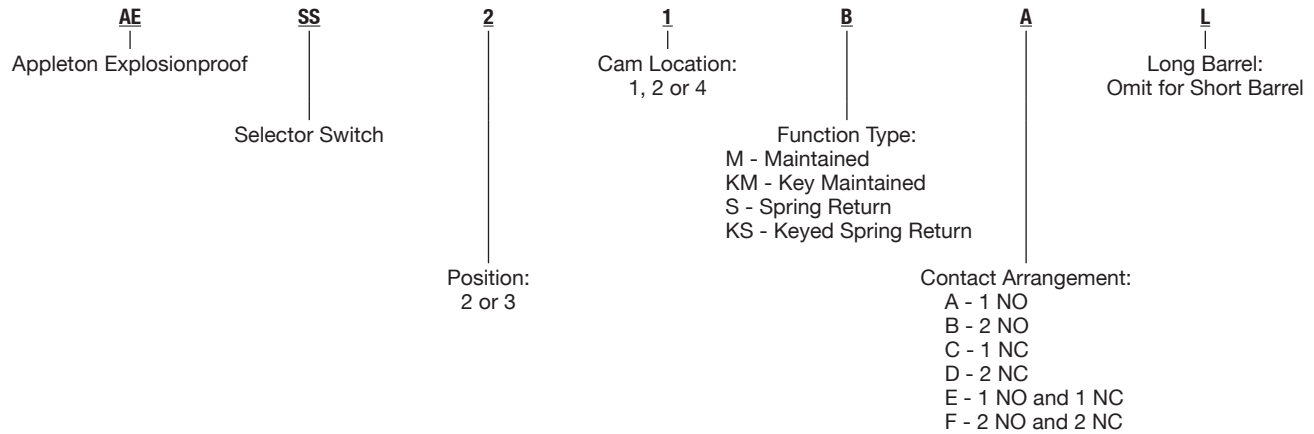
Explosionproof

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

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

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	AESS22MR	AESS22MR-L	2NC	2NC	2
2	O	X					
3	X	O					
4	O	X					

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

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

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

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

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					

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

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, ATEX/IECEx EXPLOSIONPROOF/FLAMEPROOF CONTROL STATIONS AND SWITCHES



ACSEW Control Operators: Selector Switch Components

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

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

Three Position — Spring Return — 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	AESS31SN	AESS31SN-L	NC	NC	1
2	X	O	O					
1	X	O	O	AESS31SQ	AESS31SQ-L	-	NOC	1
2	O	X	X					
1	O	O	X	AESS34SN	AESS34SN-L	NC	NC	4
2	O	X	O					
1	X	O	O	AESS32SN	AESS32SN-L	NC	NC	2
2	O	X	O					
1	O	O	X	AESS31SS	AESS31SS-L	2NC	2NC	1
2	X	O	O					
3	O	O	X					
4	X	O	O					
1	O	O	X	AESS34SS	AESS34SS-L	2NC	2NC	4
2	O	X	O					
3	O	O	X					
4	O	X	O					
1	X	O	O	AESS32SS	AESS32SS-L	2NC	2NC	2
2	O	X	O					
3	X	O	O					
4	O	X	O					

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

Appleton®

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

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

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

ATEX/IECEX — Optional ①:

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

Two Position — Key Operated ②③ — 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	AESS22KMG	AESS22KMG-L	NO	—	2
1	X	O	AESS22KMH	AESS22KMH-L	—	NO	2
1	O	X	AESS22KML	AESS22KML-L	NO	NO	2
2	X	O					
1	O	X	AESS22KMM	AESS22KMM-L	NO	NC	2
2	O	X					
1	X	O	AESS22KMR	AESS22KMR-L	2NC	2NC	2
2	O	X					
3	X	O					
4	O	X					

Two Position — Key Operated ②③ — 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	AESS22KSG	AESS22KSG-L	NO	—	2
1	X	O	AESS22KSH	AESS22KSH-L	—	NO	2
1	O	X	AESS22KSL	AESS22KSL-L	NO	NO	2
2	X	O					
1	O	X	AESS22KSM	AESS22KSM-L	NO	NC	2
2	O	X					
1	X	O	AESS22KSR	AESS22KSR-L	2NC	2NC	2
2	O	X					
3	X	O					
4	O	X					

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

② 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.

③ 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.

ACSEW Control Operators: Selector Switch Components

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

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

Three Position — Key Operated ②③ — 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	AESS31KMN	AESS31KMN-L	NC	NC	1
2	X	O	O					
1	X	O	O	AESS31KMQ	AESS31KMQ-L	—	NOC	1
2	O	X	X					
1	O	O	X	AESS34KMN	AESS34KMN-L	NC	NC	4
2	O	X	O					
1	X	O	O	AESS32KMN	AESS32KMN-L	NC	NC	2
2	O	X	O					
1	O	O	X	AESS31KMS	AESS31KMS-L	2NC	2NC	1
2	X	O	O					
3	O	O	X					
4	X	O	O					
1	O	O	X	AESS34KMS	AESS34KMS-L	2NC	2NC	4
2	O	X	O					
3	O	O	X					
4	O	X	O					
1	X	O	O	AESS32KMS	AESS32KMS-L	2NC	2NC	2
2	O	X	O					
3	X	O	O					
4	O	X	O					

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

② 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.

③ 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.

ACSEW Control Operators: Selector Switch Components

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

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

Three Position — Key Operated ②③ — Spring Return

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	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					

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



① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

② 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.

③ 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.

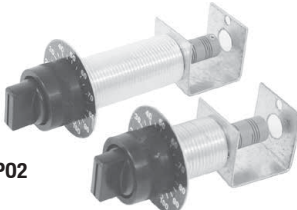
ACSEW Control Operator Accessories

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

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

Item	Description	Catalog Number
	360° Rotating Shaft	
	Manual operated shaft used for devices requiring external adjustment. The shaft is 6.35 mm (0.25") diameter and is provided with a coupling to compensate for misalignment.	ARO250C
	Standard Reset Button	
	Six-inch length can be field modified for specific length. Suitable for use in Class I, Groups B, C and D applications. For long barrel	AEPRS AEPRSL
	Miniature Reset Button	
	Six-inch length can be field modified for specific length. Suitable for use in Class I, Groups B, C and D applications. 3/8 - 16 Threads.	AEPRM ②
	Weather Cap For Push Button Devices	
	Field attachable weather cap snaps on easily without the use of adhesives.	
	Black	PBCAPB
	Green	PBCAPG
	Plug	
	3/4" NPSM to plug unused openings.	AA-9400
	Potentiometer Operator	
	Operator for use with potentiometers having a 6.35 mm (0.25") diameter by 22.225 mm (0.875") long shaft. The operator is furnished with a control knob and dial plate marked 0 to 100.	APO1
AP02	Long bushing for applications where enclosure cover thickness is greater than 22.225 mm (0.875").	APO2
AP01		

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.
② Not available with ATEX Certification.

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 Operator Options, Accessories and Nameplates

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

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

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	AEPLAA
Blue	AEPLAB
Clear	AEPLAC
Green	AEPLAG
Red	AEPLAR

Guarded Pilot Lights (120 V)

Catalog Number	Lens Color
Amber	AEPLAA-G
Blue	AEPLAB-G
Clear	AEPLAC-G
Green	AEPLAG-G
Red	AEPLAR-G

Push-to-Test Pilot Lights (120 V)

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

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

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

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

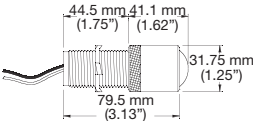
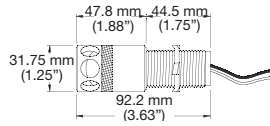
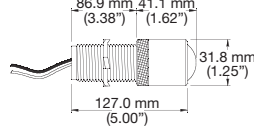
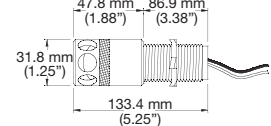
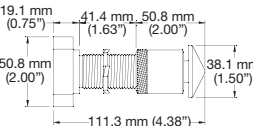
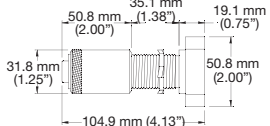
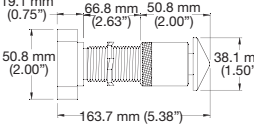
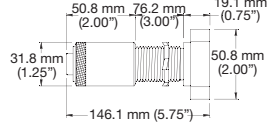
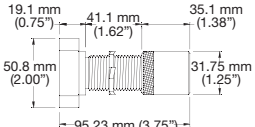
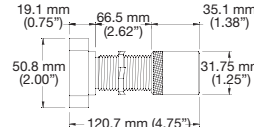
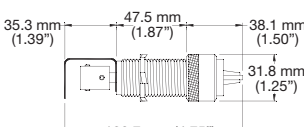
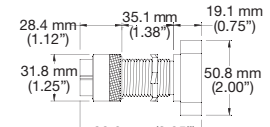
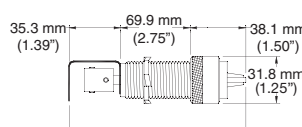
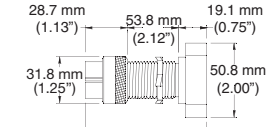
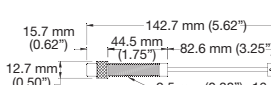
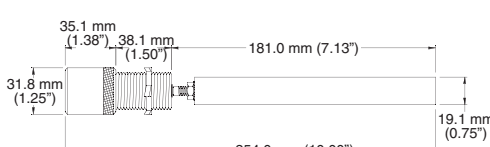
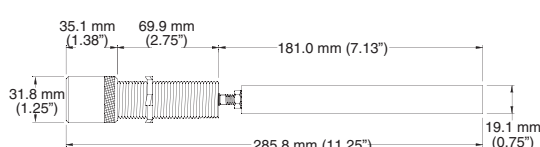
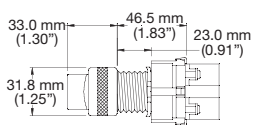
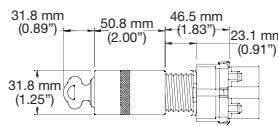
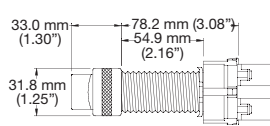
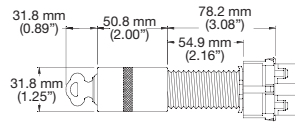
NEC/CEC — cULus Optional:

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

ATEX/IECEX — Optional ①:

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

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

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.

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

Appleton®

ACSEW Series Drill and Tap Schedule

Customer's original purchase order must accompany completed form

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

ATEX/IECEx — Optional ①:

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

Company Name _____

Shipping Address _____

Account Number _____

Part Number _____

Quantity _____

Purchase Order Number _____

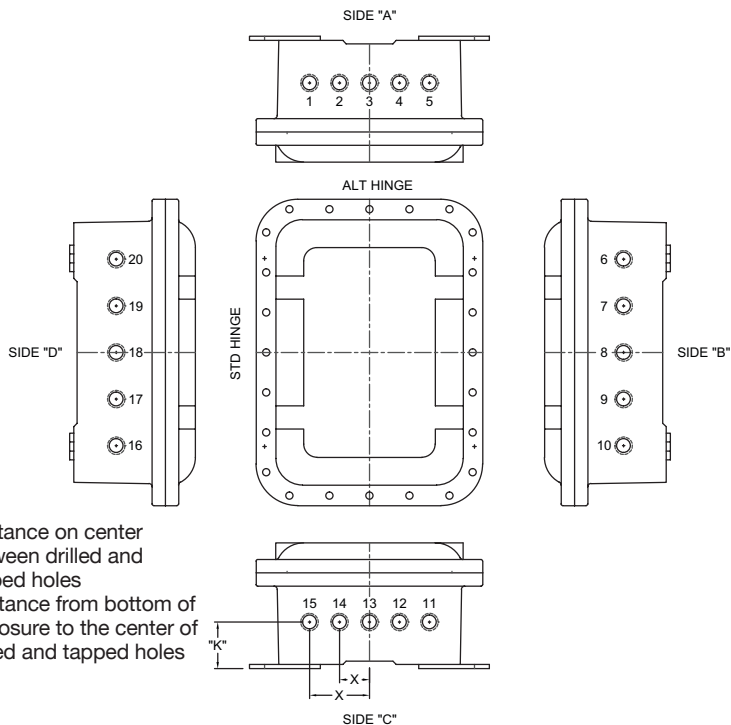
Purchase Order Date _____

Internal Order Number _____

Position	Conduit Size	Dimension "X"	Dimension "K"
1			
2			
3 CL			
4			
5			
6			
7			
8 CL			
9			
10			
11			
12			
13 CL			
14			
15			
16			
17			
18 CL			
19			
20			

	Yes	No
Entries Required:	☐	☐
Standard Hinges Required:	☐	☐
Alternate Hinges Required:	☐	☐
Back Pan Required:	☐	☐
Factory to locate X and K *	☐	☐

* If No is checked, the X and K dimensions must be supplied in Schedule above.



X = distance on center between drilled and tapped holes

K = distance from bottom of enclosure to the center of drilled and tapped holes

Drilling and Tapping Guidelines

Conduit Size (NPT)	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
1/2	54.1 (2.13)	54.1 (2.13)	57.2 (2.25)	66.8 (2.63)	71.4 (2.81)	79.5 (3.13)	92.2 (3.63)	101.6 (4.00)	114.3 (4.50)	114.3 (4.50)
3/4	54.1 (2.13)	54.1 (2.13)	57.2 (2.25)	66.8 (2.63)	71.4 (2.81)	79.5 (3.13)	92.2 (3.63)	101.6 (4.00)	114.3 (4.50)	114.3 (4.50)
1	57.2 (2.25)	57.2 (2.25)	60.5 (2.38)	71.4 (2.81)	76.2 (3.00)	82.8 (3.25)	95.3 (3.75)	104.9 (4.13)	114.3 (4.50)	117.6 (4.63)
1-1/4	66.8 (2.63)	66.8 (2.63)	71.4 (2.81)	79.5 (3.13)	84.1 (3.31)	92.2 (3.63)	104.9 (4.13)	114.3 (4.50)	120.7 (4.75)	127.0 (5.00)
1-1/2	71.4 (2.81)	71.4 (2.81)	76.2 (3.00)	84.1 (3.31)	88.9 (3.50)	96.8 (3.81)	109.5 (4.31)	117.6 (4.63)	125.5 (4.94)	133.4 (5.25)
2	79.5 (3.13)	79.5 (3.13)	82.8 (3.25)	92.2 (3.63)	96.8 (3.81)	104.9 (4.13)	117.6 (4.63)	127.0 (5.00)	148.1 (5.83)	146.1 (5.75)
2-1/2	92.2 (3.63)	92.2 (3.63)	95.3 (3.75)	104.9 (4.13)	109.5 (4.31)	117.6 (4.63)	130.3 (5.13)	84.1 (3.31)	146.1 (5.75)	155.7 (6.13)
3	101.6 (4.00)	101.6 (4.00)	104.9 (4.13)	114.3 (4.50)	117.6 (4.63)	127.0 (5.00)	84.1 (3.31)	146.1 (5.75)	152.4 (6.00)	158.8 (6.25)
3-1/2	114.3 (4.50)	114.3 (4.50)	114.3 (4.50)	120.7 (4.75)	125.5 (4.94)	136.7 (5.38)	146.1 (5.75)	152.4 (6.00)	158.8 (6.25)	165.1 (6.50)
4	114.3 (4.50)	114.3 (4.50)	117.6 (4.63)	127.0 (5.00)	133.4 (5.25)	146.1 (5.75)	155.7 (6.13)	158.8 (6.25)	165.1 (6.50)	171.5 (6.75)

① Ordering a product with any ATEX Certification nulls the UL, CSA and cULus Certifications.