

AGLCS Series GRP Local Control Stations and Switches

Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22

Application

- Providing local and motor control for hazardous areas in explosive gas Zone 1 and 2 or explosive dust Zone 21 and 22 environments.
- Applicable in wash down areas for indoor or outdoor application where water and dust ingress protection is required.
- Suitable for highly corrosive environment that has either chemical, moist or salt-water (marine outside type) in the surrounding area.
- Push buttons and selector switches provides circuit control and/or selection which are used in conjunction with contactors or magnetic starters for remote control of motors in hazardous locations.
- Pilot lights gives visual assurance that an electrical function is being performed at a remote or hazardous location.
- For use in different field application such as
 - Oil and Gas
 - Petrochemical
 - Pulp and Paper
 - Food & Beverage Processing
 - Water and Wastewater Treatment
 - Power Generation
 - Pharmaceutical Industry
 - Silos and Other Industrial Process Facilities.

Features

- Static resistant black glass reinforced polyester enclosure.
- The high IP rating allows the enclosure to be installed in either indoor or outdoor environments.
- Designed for application with voltage ratings up to 5,500 Vac and rated current up to 1,500A.
- Multiple enclosure size for different control, indicator or selector configurations.
- Utilizes factory sealed (Ex e or de) operators which includes push buttons, illuminated push buttons, ammeter, selector switches, control and load break switches, contact blocks, LED pilot lights, and terminal blocks.
- Using high intensity LED pilot lights which has a lifetime of 100,000 hours, it can be used for inputs with 12 Vac to 254 Vac 50/60 Hz or 12 Vdc to 60 Vdc.
- Operators and contact blocks are properly spaced to have easy and ample space for wiring.
- Up to 3 contact blocks per actuator can be used.
- Contact block technical data:
 - IEC rated operating voltage (Ue): 500 Vac – 110 Vdc
 - IEC switching capacity:
 - AC 12: 16 Amps/400 Vac
 - AC 14: 10 Amps/400 Vac
 - AC 15: 6 Amps/500 Vac
 - DC 13: 2 Amps/24 Vdc and 1 Amp/110 Vdc
 - NEMA switching capacity: A600: 10 Amp/600 Vac
- Selector switch technical data:
 - IEC rated operating voltage: 690 Vac
 - IEC rated operating current: maximum 16 Amps
 - IEC switching capacity:
 - AC1: 16 Amps/690 Vac
 - AC15: 16 Amps/415 Vac
 - AC3: 8 Amps/500 Vac
 - AC3: 4 Amps/690 Vac
 - AC3: 16 Amps/690 Vac
 - DC1: 10 Amps/24 Vdc
 - DC1: 6 Amps/60 Vdc
 - DC1: 6 Amp/110 Vdc (2 contacts wired in series)
 - DC1: 6 Amp/220 Vdc (3 contacts in series)
 - NEMA switching capacity: A600: 10 Amps/600 Vac



- Components are DIN rail mounted which is held securely in place during operation and easily removed for service.
- Captive, corrosion resistant stainless steel cover screws.
- Multiple wiring or cable termination with a wide selection of cable glands and union adapters for the entries at 4 sides of the enclosure.

Standard Materials

- Enclosures: glass reinforced polyester
- Gasket: silicone
- Cover screws: stainless steel
- Nameplates: stainless steel or laminated plastic (with different color as special request).

Options

- Mounting plate: supplied in zinc plated steel as standard; stainless steel can be requested as special.
- Nameplates, earth continuity brass plate, blanking plugs, and gable glands are offered as separate items.
- Consult factory for custom drilling, assembly requirements and other accessories.

ATEX/IECEx Certifications and Compliances

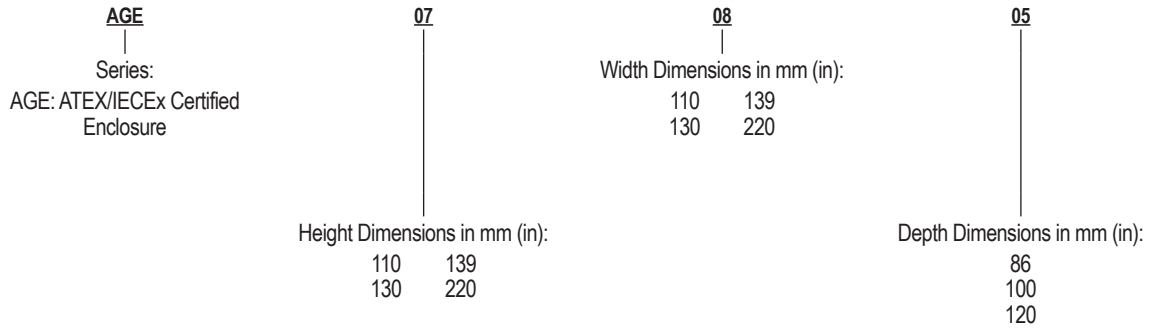
- Gas: Zone 1 and 2
 - Conforming to Directive 2014/34/EU: Ex II 2G
 - Type of Protection:
 - Ex eb IIC T5/T6 Gb,
 - Ex ia IIC T5/T6 Gb,
 - Ex eb ia IIC T5/T6 Gb
 - Temperature Class: T6 to T5
- Dust: Zone 21 and 22
 - Conforming to directive 2014/34/EU: Ex II 2D
 - Type of Protection: Ex tb IIIC T80 °C/T95 °C Db IP66;
 - Surface Temperature: T80 °C to T95 °C (T176 °F to T203 °F)
- Ambient Temperature: -35 °C up to +40 °C/-35 °C up to +55 °C -31 °F up to +104 °F/-31 °F up to +131 °F)
- Operators and contact blocks are properly spaced to have easy and ample space for wiring.
- ATEX Certificate: C € 2460 ExVeritas 18 ATEX 0330X;
C € 2460 ExVeritas 18 ATEX 0327U;
C € 2585 ExVeritas 18 ATEX 0330X;
C € 2585 ExVeritas 18 ATEX 0327U
- IECEx Certificate: IECEx EXV 18.0006X; IECEx EXV 18.0004X
- Ingress Protection: IP66 (According to EN/IEC 60529)

AGLCS Series GRP Local Control Stations and Switches

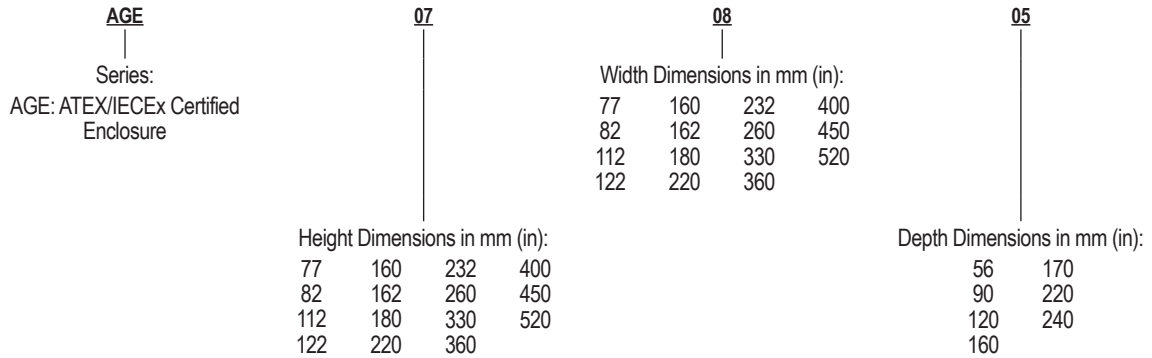
Increased Safety

ATEX/IECEX: Zones 1 and 2 – 21 and 22

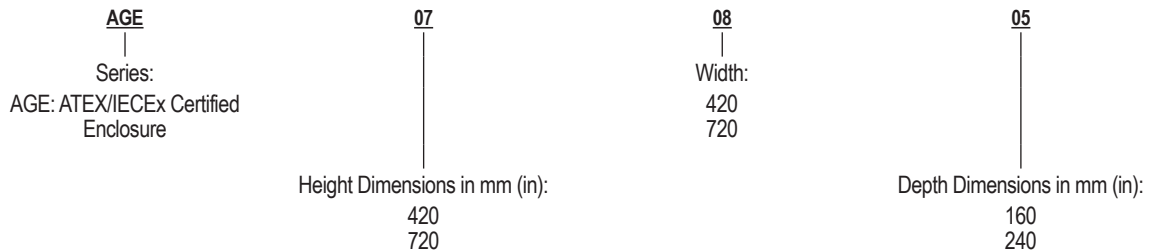
Catalog Numbering Guide — AGLCS Series GRP Local Control Stations and Switches —Type 1



Catalog Numbering Guide — AGLCS Series GRP Local Control Stations and Switches —Type 2



Catalog Numbering Guide — AGE Series GRP Enclosures Boxes —Type 3



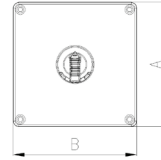
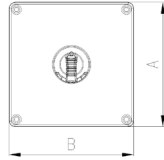
Control Stations and Panels

AGLCS Series GRP Local Control Stations and Switches

Increased Safety

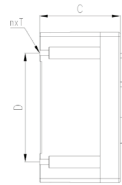
ATEX/IECEx: Zones 1 and 2 – 21 and 22

Enclosure Information — Type 1 — Dimensions in Millimeters (Inches)



A	B	C	D	E	N	T	Catag Number
110 (4.33)	139 (5.47)	100 (3.93)	96 (3.78)	91 (3.58)	2 (0.08)	Ø 6 (0.24)	AGLCS111410
130 (5.12)	130 (5.12)	86 (3.39)	86 (3.39)	116 (4.57)	2 (0.08)	Ø 6 (0.24)	AGLCS131308
130 (5.12)	220 (8.66)	120 (4.72)	116 (4.57)	172 (6.77)	2 (0.08)	Ø 6 (0.24)	AGLCS132212
139 (5.47)	110 (4.33)	100 (3.93)	91 (3.58)	96 (3.78)	2 (0.08)	Ø 6 (0.24)	AGLCS141110
220 (8.66)	130 (5.12)	120 (4.72)	172 (6.77)	116 (4.57)	2 (0.08)	Ø 6 (0.24)	AGLCS221312

Enclosure Information — Type 2 — Dimensions in Millimeters (Inches)



A	B	C	D	E	N	T	Catag Number
122 (4.80)	220 (8.66)	90 (3.54)	82 (3.23)	204 (8.03)	4 (0.16)	Ø 6 (0.24)	AGLCS122209
160 (6.30)	260 (10.24)	90 (3.54)	110 (4.33)	239 (9.41)	4 (0.16)	Ø 6 (0.24)	AGLCS162609
160 (6.30)	360 (14.17)	90 (3.54)	112 (4.41)	340 (13.39)	4 (0.16)	Ø 6 (0.24)	AGLCS163609
180 (7.09)	260 (10.24)	120 (4.72)	163 (6.42)	200 (7.87)	4 (0.16)	Ø 7 (0.28)	AGLCS182612
220 (8.66)	122 (4.80)	90 (3.54)	204 (8.03)	82 (3.23)	4 (0.16)	Ø 6 (0.24)	AGLCS221209
220 (8.66)	360 (14.17)	120 (4.72)	200 (7.87)	296 (11.65)	4 (0.16)	Ø 9 (0.35)	AGLCS223612
220 (8.66)	360 (14.17)	170 (6.69)	200 (7.87)	296 (11.65)	4 (0.16)	Ø 9 (0.35)	AGLCS223617
260 (10.24)	160 (6.30)	90 (3.54)	239 (9.41)	110 (4.33)	4 (0.16)	Ø 6 (0.24)	AGLCS261609
260 (10.24)	180 (7.09)	120 (4.72)	200 (7.87)	163 (6.42)	4 (0.16)	Ø 7 (0.28)	AGLCS261812
330 (12.99)	450 (17.72)	160 (6.30)	304 (11.97)	379 (14.92)	4 (0.16)	Ø 9 (0.35)	AGLCS334516
330 (12.99)	450 (17.72)	240 (9.45)	304 (11.97)	379 (14.92)	4 (0.16)	Ø 9 (0.35)	AGLCS334524
360 (14.17)	160 (6.30)	90 (3.54)	340 (13.39)	112 (4.41)	4 (0.16)	Ø 6 (0.24)	AGLCS361609
360 (14.17)	220 (8.66)	120 (4.72)	296 (11.65)	200 (7.87)	4 (0.16)	Ø 9 (0.35)	AGLCS362212
360 (14.17)	220 (8.66)	170 (6.69)	296 (11.65)	200 (7.87)	4 (0.16)	Ø 9 (0.35)	AGLCS362217
360 (14.17)	360 (14.17)	120 (4.72)	297 (11.69)	340 (13.39)	4 (0.16)	Ø 9 (0.35)	AGLCS363612
360 (14.17)	360 (14.17)	170 (6.69)	297 (11.69)	340 (13.39)	4 (0.16)	Ø 9 (0.35)	AGLCS363617
400 (15.75)	520 (9.84)	220 (8.66)	383 (15.08)	45 (1.77)	4 (0.16)	Ø 10 (0.39)	AGLCS405222
450 (17.72)	330 (12.99)	160 (6.30)	379 (14.92)	304 (11.97)	4 (0.16)	Ø 9 (0.35)	AGLCS453316
450 (17.72)	330 (12.99)	240 (9.45)	379 (14.92)	304 (11.97)	4 (0.16)	Ø 9 (0.35)	AGLCS453324
520 (9.84)	400 (15.75)	220 (8.66)	457 (17.99)	383 (15.08)	4 (0.16)	Ø 10 (0.39)	AGLCS524022

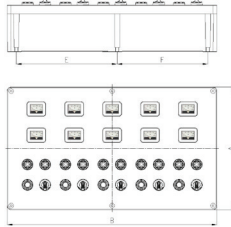
Control Stations and Panels

AGLCS Series GRP Local Control Stations and Switches

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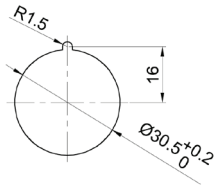
Enclosure Information — Type 3 — Dimensions in Millimeters (Inches)



A	B	C	D	E	F	N	T	Catalog Number
420 (16.54)	720 (28.35)	160 (6.30)	401 (15.79)	311 (12.24)	346 (13.62)	6 (0.24)	Ø 10 (0.39)	AGLCS427216
420 (16.54)	720 (28.35)	240 (9.45)	401 (15.79)	311 (12.24)	346 (13.62)	6 (0.24)	Ø 10 (0.39)	AGLCS427224
720 (28.35)	420 (16.54)	160 (6.30)	401 (15.79)	311 (12.24)	346 (13.62)	6 (0.24)	Ø 10 (0.39)	AGLCS724216
720 (28.35)	420 (16.54)	240 (9.45)	401 (15.79)	311 (12.24)	346 (13.62)	6 (0.24)	Ø 10 (0.39)	AGLCS724224

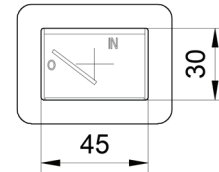
Configuration Information ①

The maximum configuration drawing is for visual illustration only, actual product may vary depending on the customized configuration of operator and controls.



Clearance hole for operators and illuminated controls

(i.e. Push button, Push-pull emergency stop, Mushroom-head push button, Key push button, Pilot light and selector switches).



Clearance opening for ammeter

Max configuration	Maximum Qty of Holes		H x W x D Dimension in mm (in)	Catalog Number
	Push button	Ammeter		
	2	–	110 x 139 x 100 (4.33 x 5.47 x 3.94)	AGLCS111410
	–	1	139 x 110 x 100 (5.47 x 4.33 x 3.94)	AGLCS141110

① Please consult with our sales office for local control station with different configurations.

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	Push button	Ammeter		
  	4	–	122 x 220 x 90 (4.80 x 8.66 x 3.54)	AGLCS122209
	–	3	220 x 122 x 90 (8.66 x 4.80 x 3.54)	AGLCS221209
 	2	–	130 x 130 x 86 (5.12 x 5.12 x 3.39)	AGLCS131308
	–	1		
  	4	–	130 x 220 x 120 (5.12 x 8.66 x 4.72)	AGLCS132212
	–	3	220 x 130 x 120 (8.66 x 5.12 x 4.72)	AGLCS221312
 	9	–	160 x 260 x 90 (6.30 x 10.24 x 3.54)	AGLCS162609
	–	6	260 x 160 x 90 (10.24 x 6.30 x 3.54)	AGLCS261609
 	12	–	160 x 360 x 90 (6.30 x 14.17 x 3.54)	AGLCS163609
	–	10	360 x 160 x 90 (14.17 x 6.30 x 3.54)	AGLCS361609
 	10	–	180 x 260 x 120 (7.09 x 10.24 x 4.72)	AGLCS182612
	–	6	260 x 180 x 120 (10.24 x 7.09 x 4.72)	AGLCS261812

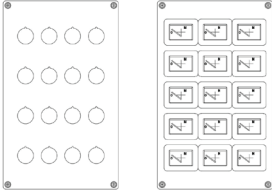
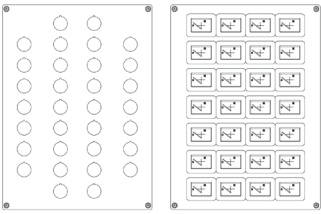
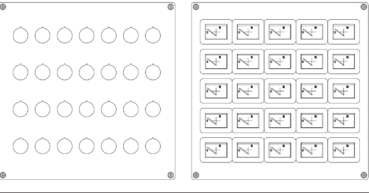
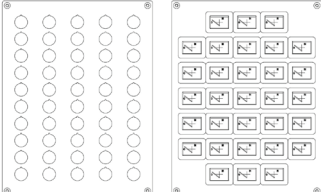
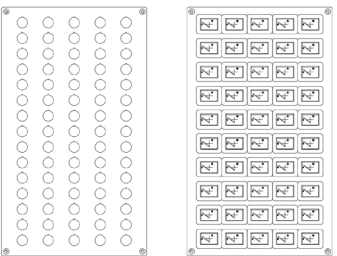
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Max configuration	Maximum qty of holes		H x W x D Dimension in mm (in)	Catalog number
	Push button	Ammeter		
	16	–	220 x 360 x 120 (8.66 x 14.17 x 4.72)	AGLCS223612
	–	15	360 x 220 x 120 (14.17 x 8.66 x 4.72)	AGLCS362212
	–	15	220 x 360 x 170 (8.66 x 14.17 x 6.69)	AGLCS223617
	–	15	360 x 220 x 170 (14.17 x 8.66 x 6.69)	AGLCS362217
	32	–	330 x 450 x 160 (12.99 x 17.72 x 6.30)	AGLCS334516
	–	28	450 x 330 x 160 (17.72 x 12.99 x 6.30)	AGLCS453316
	–	28	330 x 450 x 240 (12.99 x 17.72 x 9.45)	AGLCS334524
	–	28	450 x 330 x 240 (17.72 x 12.99 x 9.45)	AGLCS453324
	28	–	360 x 360 x 120 (14.17 x 14.17 x 4.72)	AGLCS363612
	–	25	360 x 360 x 170 (14.17 x 14.17 x 6.69)	AGLCS363617
	50	–	400 x 520 x 220 (15.75 x 9.84 x 8.66)	AGLCS405222
	–	31	520 x 400 x 220 (9.84 x 15.75 x 8.66)	AGLCS524022
	75	–	420 x 720 x 160 (16.54 x 28.35 x 6.30)	AGLCS427216
	–	50	720 x 420 x 160 (28.35 x 16.54 x 6.30)	AGLCS724216
	–	50	420 x 720 x 240 (16.54 x 28.35 x 9.45)	AGLCS427224
	–	50	720 x 420 x 240 (28.35 x 16.54 x 9.45)	AGLCS724224

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