

Unicode™ 2 Series Pre-Drilled Control Stations

Increased Safety

Polyamide, Fiberglass Reinforced Polyester, 316L Stainless Steel, Aluminum

NEC:

Class I, Division 2, Groups A, B, C, D
Class II, Groups F, G
Class III
Ex de IIC/DIP A21
IP66, Type 4X[Ⓢ]

CEC:

Class I, Division 2, Groups A, B, C, D
Class II, Groups F, G
Class III; Type 4X[Ⓢ]
Class I, Zone 1, AEx de IIC/ AEx tD 21
IP66

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
Ⓢ II 2 GD
Ex de IIC/Ex demb IIC/ Ex tD A21
IP66 – IK10

Applications

- Local control stations and motor control stations for use in hazardous areas covering the broadest possible range of applications.
- Control of equipment at:
 - Power plants
 - Chemical and petrochemical plants
 - Petroleum refineries
 - Reverse osmosis plants
 - Pulp and paper processing plants
 - Various industrial applications
- For use in washdown areas.

Features

- Enclosures are rated for IP66 with firmly secured gasket.
- Captive, corrosion resistant stainless steel cover screws.

Standard Materials

- Polyamide
 - Body, cover, cable gland and blanking plug: polyamide, black finish
- Polyester
 - Body and cover: fiberglass reinforced polyester, black finish.
- Stainless Steel
 - Body, cover and cover screws: 316L stainless steel, natural finish
- Aluminum
 - Body and cover: aluminum with gray epoxy powder coating.
- Cable gland and blanking plug: polyamide
- Cover screws for 316L stainless steel or aluminum body: 304 stainless steel
- Cover screws for fiberglass reinforced polyester body: 316 stainless steel
- Nameplate: white self-adhesive laminated plastic

NEC/CEC Certifications and Compliances

- Fiberglass Reinforced Polyester (FRP)
 - Certification Type CSPe
 - Temperature Class: T5 or T6
 - Ambient Temperature: -55°C to +60°C (-67°F to +140°F)
 - CAN/CSA Standards: C22.2 No. 0-M91, No. 25-M66, No. 213-M1987, No. 94-M91, No. 60079-0:07, No. 60529-2005, E60079-7-2003
 - UL Standards: 60079-0, 60079-7, 50
 - Other Standards: ANSI/IEC 60529-2004, ANSI/ISA 12.12.01-2011
 - cCSAus Certificate: 2356952
- Stainless Steel
 - Certification Type JBe
 - Temperature Class: T6 (at +40°C) or T5 (at +55°C)
 - Surface Temperature: T80 °C (at +40°C) to T95 °C (at +55°C) (T176 °F to T203 °F)
 - Ambient Temperature: -40 °C to +55 °C (-40 °F to +131°F)
 - CAN/CSA Standard: C22.2 No. 0-M91, No. 25-M66, No. 213-M1987, No. 60079-0:07, No. 60529-2005, E60079-7-2003
 - UL Standard: 60079-0, 60079-7
 - Other Standards: ANSI/IEC60529-2004, ANSI/ISA 12.12.01-2011
 - cCSAus Certificate: 2356734



Polyamide U43W211



Polyester U23W211



Stainless Steel U62W229



Aluminum U83W211

ATEX/IECEX Certifications and Compliances

- Polyamide
 - Certification Type PCe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
 - Type of Protection: Ex de IIC or Ex demb IIC
 - Temperature Class: T6
- Dust: Zone 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
 - Type of Protection: Ex tD A21
- Surface Temperature: T167 °C to T75 °C (T333 °F to T167 °F)
- Ambient Temperature: -20 °C to +55 °C (-4 °F to +131 °F)
- CE Declaration of Conformity: 50221
- ATEX Certificate: LCIE 00 ATEX 6047
- IEC Certificate: LCIE Ex 00.017
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10

[Ⓢ] Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used.

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Class III; Type 4X^①
Class I, Zone 1, AEx de IIC/ AEx tD 21
IP66

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
⊕ II 2 GD
Ex de IIC/Ex demb IIC/ Ex tD A21
IP66 – IK10

CONTROLS: NEC/CEC, ATEX/IECEX INCREASED SAFETY CONTROL STATIONS

APPLETON™

- Fiberglass Reinforced Polyester (FRP)
 - Certification Type CSPe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 94/9/CE: ⊕ II 2 G
 - Type of Protection: Ex de IIC or Ex demb IIC
 - Temperature Class: T6
 - Dust: Zone 21 and 22
 - Conforming to ATEX 94/9/CE: ⊕ II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T75 °C (T167 °F)
 - Ambient Temperature: -55 °C to +70 °C (-67 °F to +158 °F)
 - CE Declaration of Conformity: 52084
 - ATEX Certificate: LCIE 00 ATEX 3032X
 - IECEX Certificate: IECEX LCI 09.0016X
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10
- Stainless Steel
 - Certification Type JBe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 94/9/CE: ⊕ II 2 G
 - Type of Protection: Ex de IIC or Ex demb IIC
 - Temperature Class: T5 to T6
 - Dust: Zone 21 and 22
 - Conforming to ATEX 94/9/CE: ⊕ II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T80 °C to T95 °C (T176 °F to T203 °F)
 - Ambient Temperature: -50 °C to +70 °C (-58 °F to +158 °F)
 - CE Declaration of Conformity: 50232
 - ATEX Certificate: LCIE 02 ATEX 6118X
 - IECEX Certificate: LCI 11.0008X
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10
- Aluminum
 - Certification Type PCe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 94/9/CE: ⊕ II 2 G
 - Type of Protection: Ex de IIC or Ex demb IIC
 - Temperature Class: T6
 - Dust: Zone 21 and 22
 - Conforming to ATEX 94/9/CE: ⊕ II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T75 °C (T167 °F)
 - CE Declaration of Conformity: 50221
 - ATEX Certificate: LCIE 02 ATEX 6047
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10

Other Certification ^②

- Certification Type PCe (Polyamide)
 - INMETRO Certificate: BVC 11.0640-X
- Certification Type CSPe (Polyester)
 - INMETRO Certificate: BVC 11.0637-X
- Certification Type JBe (Stainless Steel)
 - INMETRO Certificate: BVC 11.0418-X

EURASEC Certification

- Certification Type PCe (Polyamide)
 - EURASEC RU C-FR Г505.В.00911
- Certification Type CSPe (Polyester)
 - EURASEC RU C-FR Г505.В.00911
- Certification Type JBe (Stainless Steel)
 - EURASEC RU C-FR Г505.В.00911

^① Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used.

^② INMETRO certification available on special request only. Contact your local sales representative for more information.

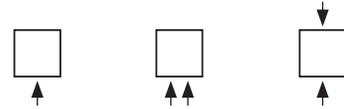
Unicode™ 2 Series Pre-Drilled Aluminum Control Stations

Increased Safety

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 Ex de IIC/Ex demb IIC/ Ex tD A21
 IP66 – IK10

CONTROLS: NEC/CEC, ATEX/IECEX INCREASED SAFETY CONTROL STATIONS

Aluminum Pre-drilled boxes for Control Stations
 Included: 1 white self-adhesive laminated plastic nameplate (black lettering), clearance entries.



Description/Function	Entries	Weight kg (lb)	Volume dm ³ (in ³)	Catalog Number		
				1 Bottom	2 Bottom	Feed-Thru
Size 3 Pre-Drilled Enclosures — 230 mm x 110 mm x 95 mm (9.06" x 4.33" x 3.74")						
 11 For 3 actuators 1 vertical rail	M20			U83W111	U83W211	U83U111
	M25	1.8 (3.97)	4.2 (256.30)	U83W311	U83W411	U83U311
	3/4"			U83Z311	U83Z411	U83X311
 16 For 4 actuators 3 horizontal rails	M20			U83W116	U83W216	U83U116
	M25	1.8 (3.97)	4.2 (256.30)	U83W316	U83W416	U83U316
	3/4"			U83Z316	U83Z416	U83X316
 17 For 4 actuators 3 horizontal rails	M20			U83W117	U83W217	U83U117
	M25	1.8 (3.97)	4.2 (256.30)	U83W317	U83W417	U83U317
	3/4"			U83Z317	U83Z417	U83X317
 18 For 5 actuators 3 horizontal rails	M20			U83W118	U83W218	U83U118
	M25	1.8 (3.97)	4.2 (256.30)	U83W318	U83W418	U83U318
	3/4"			U83Z318	U83Z418	U83X318
 20 For 6 actuators 3 horizontal rails	M20			U83W120	U83W220	U83U120
	M25	1.8 (3.97)	4.2 (256.30)	U83W320	U83W420	U83U320
	3/4"			U83Z320	U83Z420	U83X320
 23 For 1 ammeter 48x48 + 2 actuators 1 vertical rail	M20			U83W123	U83W223	U83U123
	M25	1.8 (3.97)	4.2 (256.30)	U83W323	U83W423	U83U323
	3/4"			U83Z323	U83Z423	U83X323
 24 For 1 ammeter 48x48 + 3 actuators 1 vertical rail (V) 2 horizontal rails (5-6-7)	M20			U83W124	U83W224	U83U124
	M25	1.8 (3.97)	4.2 (256.30)	U83W324	U83W424	U83U324
	3/4"			U83Z324	U83Z424	U83X324

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Class II, Groups F, G
Class III
Ex de IIC/DIP A21
IP66, Type 4X①

CEC:

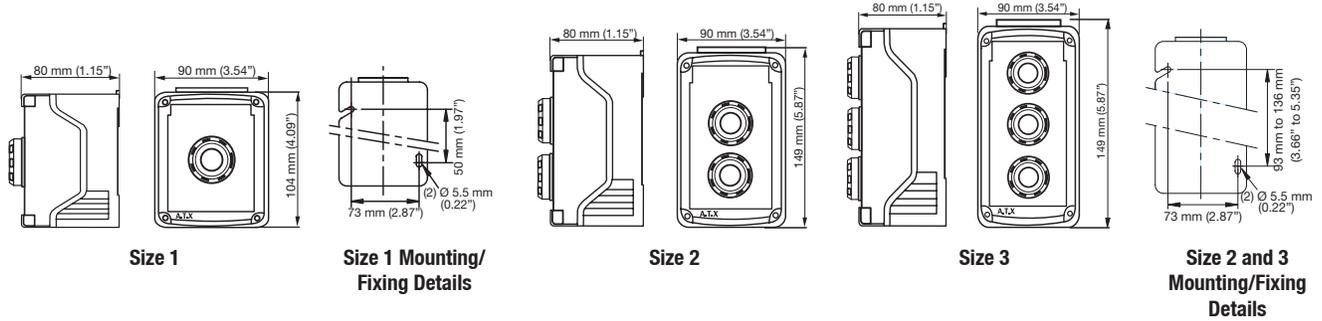
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Class II, Groups F, G
Class III; Type 4X①
Class I, Zone 1, AEx de IIC/ AEx tD 21
IP66

ATEX/IECEX:

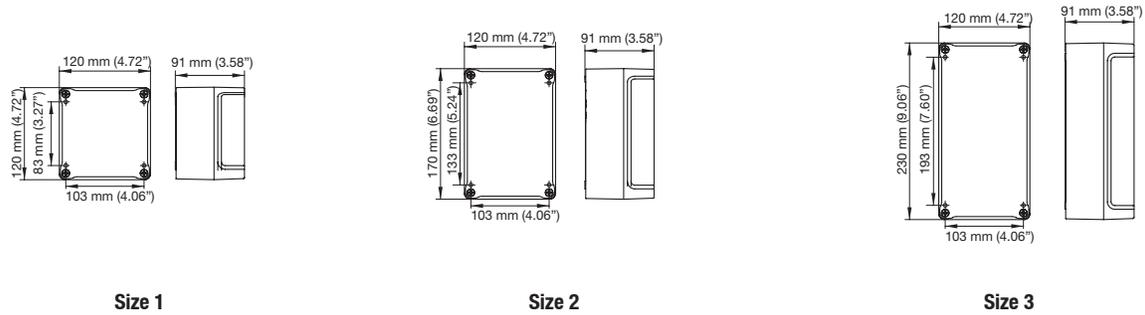
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IP66 – IK10

Dimensions in Millimeters (Inches)

Polyamide

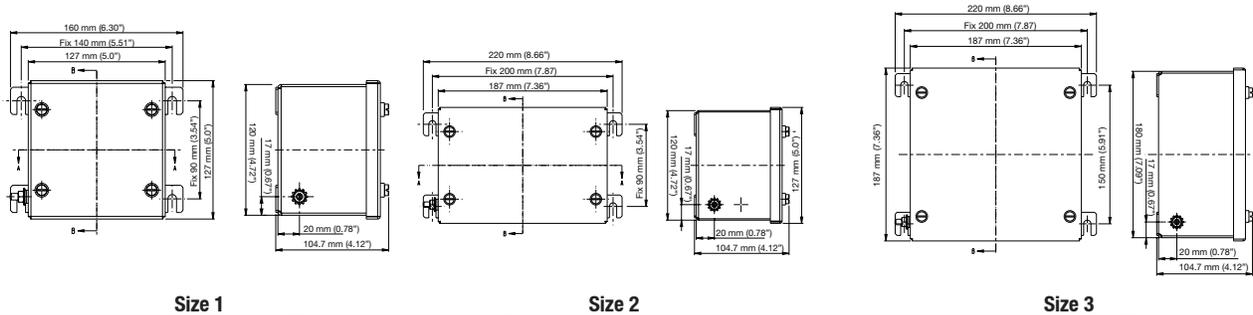


Fiberglass Reinforced Polyester

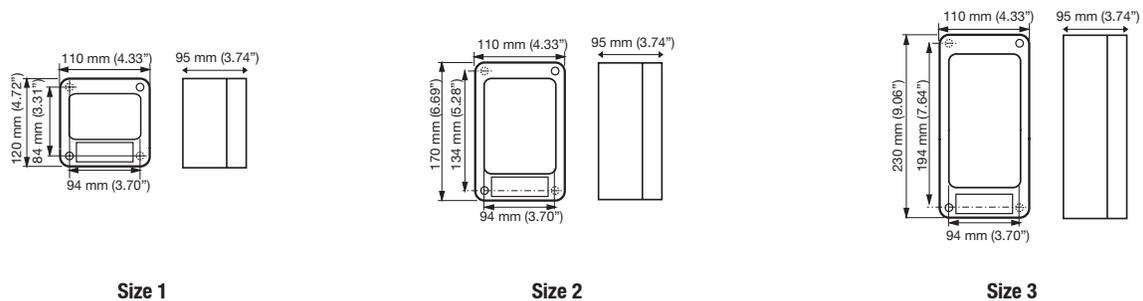


Mounting/Fixing Details for Above Boxes: Four Holes Ø 5 mm (0.20")

316L Stainless Steel



Aluminum



Mounting/Fixing Details for above Boxes: Two Holes Ø 5 mm (0.20")

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