

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^①

CEC:

Class I, Division 2, Groups A, B, C, D
Class II, Groups F, G
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
Ex 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: Ex 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: Ex II2 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

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

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ATEX/IECEX:

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

- Fiberglass Reinforced Polyester (FRP)
 - Certification Type CSPe
 - Gas: Zone 1 and 2
 - Conforming to ATEX 94/9/CE: Ex 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: Ex II2 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: Ex 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: Ex II2 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: Ex 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: Ex II2 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 r505.B.00911
- Certification Type CSPe (Polyester)
 - EURASEC RU C-FR r505.B.00911
- Certification Type JBe (Stainless Steel)
 - EURASEC RU C-FR r505.B.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 Polyester Control Stations

Increased Safety

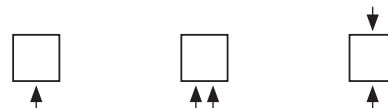
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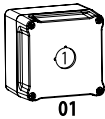
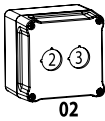
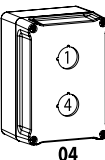
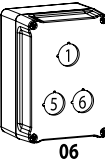
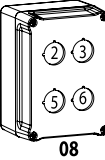
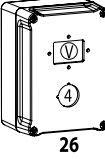
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ATEX/IECEX:
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Polyester Pre-Drilled Boxes for Control Stations

Included: 1 white self-adhesive laminated plastic nameplate (black lettering), 1 earth continuity brass plate, threaded entries.



Description/ Function	Entries	Weight kg (lb)	Volume dm³ (in³)	1 Bottom	Catalog Number 2 Bottom	Feed-Thru
Size 1 Pre-Drilled Enclosures						
 01	For 1 actuator 1 horizontal rail	M20		U21W101	U21W201	U21U101
		M25	0.8 (1.76)	U21W301	U21W401	U21U301
		3/4"	2.7 (164.76)	U21Z301	U21Z401	U21X301
 02	For 2 actuators 1 horizontal rail	M20		U21W102	U21W202	U21U102
		M25	0.8 (1.76)	U21W302	U21W402	U21U302
		3/4"	2.7 (164.76)	U21Z302	U21Z402	U21X302
Size 2 Pre-Drilled Enclosures						
 04	For 2 actuators 1 vertical rail	M20		U22W104	U22W204	U22U104
		M25	1.0 (2.20)	U22W304	U22W404	U22U304
		3/4"	4.2 (256.30)	U22Z304	U22Z404	U22X304
 06	For 3 actuators 2 horizontal rails	M20		U22W106	U22W206	U22U106
		M25	1.0 (2.20)	U22W306	U22W406	U22U306
		3/4"	4.2 (256.30)	U22Z306	U22Z406	U22X306
 08	For 4 actuators 2 horizontal rails	M20		U22W108	U22W208	U22U108
		M25	1.0 (2.20)	U22W308	U22W408	U22U308
		3/4"	4.2 (256.30)	U22Z308	U22Z408	U22X308
 26	For 1 ammeter 48x48 +1 actuator 1 vertical rail	M20		U22W126	U22W226	U22U126
		M25	1.0 (2.20)	U22W326	U22W426	U22U326
		3/4"	4.2 (256.30)	U22Z326	U22Z426	U22X326

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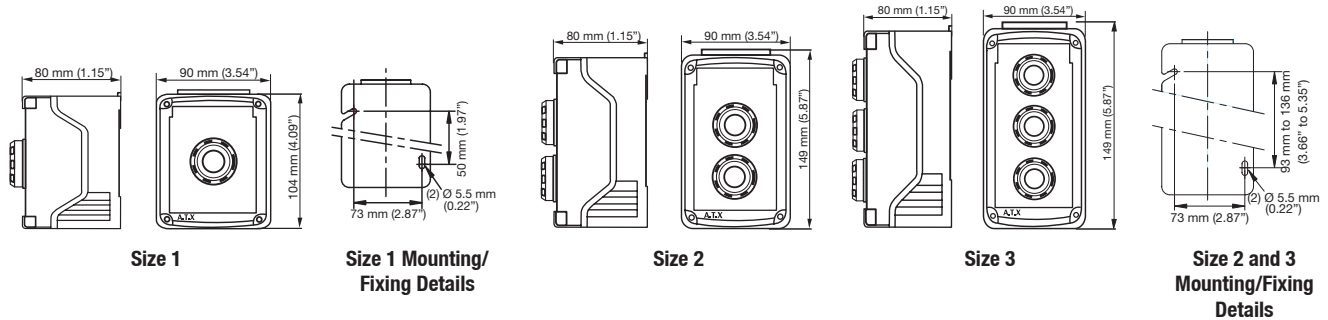
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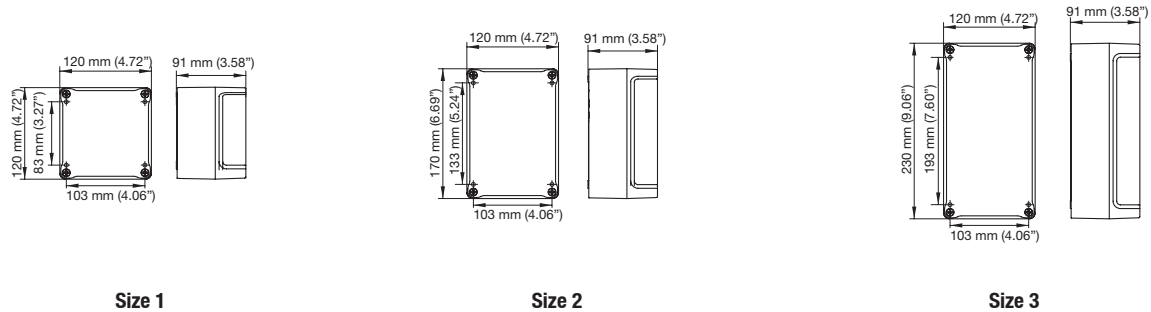
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Dimensions in Millimeters (Inches)

Polyamide

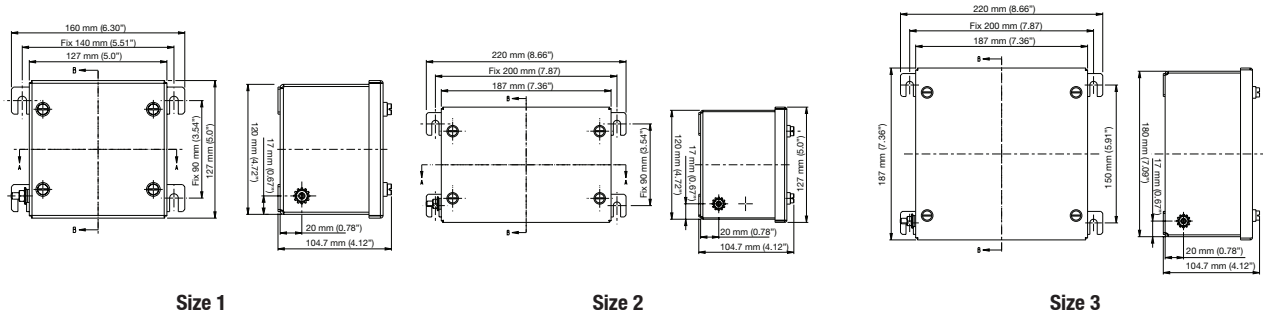


Fiberglass Reinforced Polyester

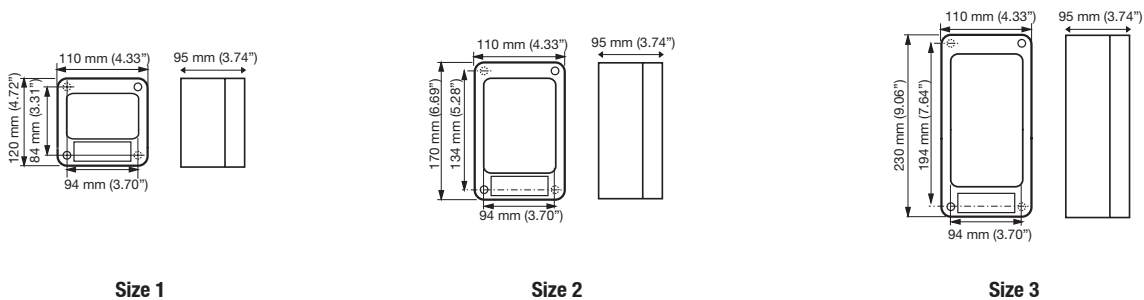


Mounting/Fixing Details for Above Boxes: Four Holes Ø 5 mm (0.20")

316L Stainless Steel



Aluminum



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

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