

Unicode® 2 Series Pre-Drilled Control Stations

Increased Safety

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

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

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

Certifications and Compliances

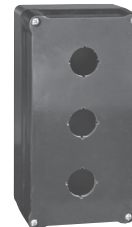
◆ ATEX or IECEx Certification

• Certification Type PCe (Polyamide)

- 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
 - Ambient Temperature: -20 °C to +55 °C
 - 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): IK09

• Certification Type CSPe (Polyester)

- 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
 - Ambient Temperature: -55 °C to +70 °C
 - CE Declaration of Conformity: 52084



Polyester U23W211



Polyamide U43W211



Stainless Steel U62W229



Aluminum U83W211

- ATEX Certificate: LCIE 00 ATEX 3032X
- IECEx Certificate: IECEx LCI 09.0016X
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10

• Certification Type JBe (Stainless Steel)

- 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
 - Ambient Temperature: -50 °C to +70 °C
 - 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

• Certification Type PCe (Aluminum)

- 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
 - CE Declaration of Conformity: 50221
 - ATEX Certificate: LCIE 02 ATEX 6047
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10

Unicode® 2 Series Pre-Drilled Control Stations

Increased Safety

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Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

◆EURASEC Certification

- **Certification Type PCe (Polyamide)**
— EURASEC RU C-FR ГБ 05.B.00911
- **Certification Type CSPe (Polyester)**
— EURASEC RU C-FR ГБ 05.B.00911
- **Certification Type JBe (Stainless Steel)**
— EURASEC RU C-FR ГБ 05.B.00911

◆Others Certification ①

- **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

① Inmetro certification available on special request only. Contact your local sales for more information.

Aluminum Unicode® 2 Series Control Stations and Switches are not recognized for use in any NBR IEC Brazilian governed areas.

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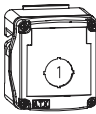
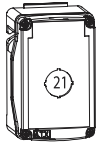
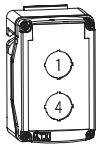
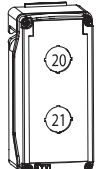
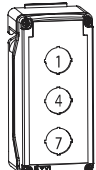
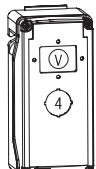
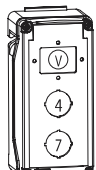
Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

Polyamide Pre-drilled Boxes for Control Stations

Included: 1 white self-adhesive laminated plastic nameplate (black lettering),
2 clearance entries at bottom.



	Description/ Function	Entries	Weight kg	Volume dm ³	Catalog Number 2 Bottom
Size 1 Pre-Drilled Enclosures					
 01	For 1 actuator 1 vertical rail	M20	0.7	2.5	U41W201
Size 2 Pre-Drilled Enclosures					
 34	For 1 actuator 1 vertical rail	M20	0.9	2.5	U42W234
 04	For 2 actuators 1 vertical rail	M20	0.9	2.5	U42W204
Size 3 Pre-Drilled Enclosures					
 25	For 2 actuators 1 vertical rail	M20	1.0	2.5	U43W225
 11	For 3 actuators 1 vertical rail	M20	1.0	2.5	U43W211
 21	For 1 ammeter 48 x 48 + 1 actuator 1 vertical rail	M20	1.0	2.5	U43W221
 23	For 1 ammeter 48 x 48 + 2 actuators 1 vertical rail	M20	1.0	2.5	U43W223

Shaded catalog numbers are normally stocked items. All other items are made to order.

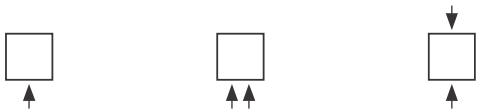
Unicode® 2 Series Pre-Drilled Control Stations

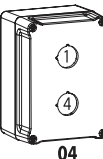
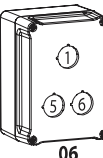
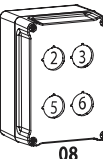
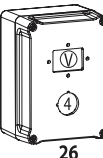
Increased Safety

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

Zone 1 and 2 – 21 and 22
Gas (G) and Dust (D)

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	Volume dm³	Catalog Number 1 Bottom	Catalog Number 2 Bottom	Catalog Number Feed–Thru
Size 1 Pre-Drilled Enclosures							
 01	For 1 actuator 1 horizontal rail	M20	0.8	2.7	U21W101	U21W201	U21U101
		M25	0.8	2.7	U21W301	U21W401	U21U301
 02	For 2 actuators 1 horizontal rail	M20	0.8	2.7	U21W102	U21W202	U21U102
		M25	0.8	2.7	U21W302	U21W402	U21U302
Size 2 Pre-Drilled Enclosures							
 04	For 2 actuators 1 vertical rail	M20	1.0	4.2	U22W104	U22W204	U22U104
		M25	1.0	4.2	U22W304	U22W404	U22U304
 06	For 3 actuators 2 horizontal rails	M20	1.0	4.2	U22W106	U22W206	U22U106
		M25	1.0	4.2	U22W306	U22W406	U22U306
 08	For 4 actuators 2 horizontal rails	M20	1.0	4.2	U22W108	U22W208	U22U108
		M25	1.0	4.2	U22W308	U22W408	U22U308
 26	For 1 ammeter 48x48 +1 actuator 1 vertical rail	M20	1.0	4.2	U22W126	U22W226	U22U126
		M25	1.0	4.2	U22W326	U22W426	U22U326

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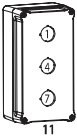
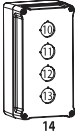
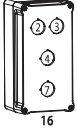
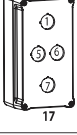
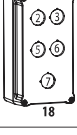
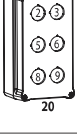
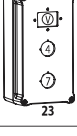
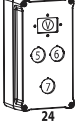
Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

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	Volume dm³	Catalog Number 1 Bottom	Catalog Number 2 Bottom	Catalog Number Feed-Thru
Size 3 Pre-Drilled Enclosures — 230 mm x 120 mm x 91 mm						
	M20	1.1	4.2	U23W111	U23W211	U23U111
	M25	1.1	4.2	U23W311	U23W411	U23U311
	M20	1.1	4.2	U23W114	U23W214	U23U114
	M25	1.1	4.2	U23W314	U23W414	U23U314
	M20	1.1	4.2	U23W116	U23W216	U23U116
	M25	1.1	4.2	U23W316	U23W416	U23U316
	M20	1.1	4.2	U23W117	U23W217	U23U117
	M25	1.1	4.2	U23W317	U23W417	U23U317
	M20	1.1	4.2	U23W118	U23W218	U23U118
	M25	1.1	4.2	U23W318	U23W418	U23U318
	M20	1.1	4.2	U23W120	U23W220	U23U120
	M25	1.1	4.2	U23W320	U23W420	U23U320
	M20	1.1	4.2	U23W123	U23W223	U23U123
	M25	1.1	4.2	U23W323	U23W423	U23U323
	M20	11.1	4.2	U23W124	U23W224	U23U124
	M25	11.1	4.2	U23W324	U23W424	U23U324

Controls

CONTROL STATIONS AND SWITCHES - INCREASED SAFETY

Unicode® 2 Series Pre-Drilled Control Stations

Increased Safety

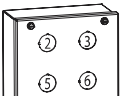
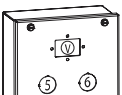
Polyamide, Fiberglass Reinforced Polyester, 316L Stainless Steel, Aluminum

Zone 1 and 2 – 21 and 22
Gas (G) and Dust (D)

Stainless Steel Pre-drilled Boxes for Control Stations

Included: 1 white self-adhesive laminated plastic nameplate (black lettering), clearance entries.



Description/ Function	Entries	Weight kg	Volume dm³	Catalog Number 1 Bottom	Catalog Number 2 Bottom	Catalog Number Feed–Thru	
Size 1 Pre-Drilled Enclosures							
 01	For 1 actuator 1 vertical rail	M20	1.0	2.7	U61W101	U61W201	U61U101
		M25	1.0	2.7	U61W301	U61W401	U61U301
 27	For 2 actuators 1 vertical rail	M20	1.0	2.7	U61W127	U61W227	U61U127
		M25	1.0	2.7	U61W327	U61W427	U61U327
Size 2 Pre-Drilled Enclosures							
 04	For 2 actuators 1 vertical rail	M20	1.5	3.6	U62W104	U62W204	U62U104
		M25	1.5	3.6	U62W304	U62W404	U62U304
 29	For 3 actuators 1 vertical rail	M20	1.5	3.6	U62W129	U62W229	U62U129
		M25	1.5	3.6	U62W329	U62W429	U62U329
 26	For 1 ammeter 48x48 + 1 actuator 1 vertical rail	M20	1.5	3.6	U62W126	U62W226	U62U126
		M25	1.5	3.6	U62W326	U62W426	U62U326
Size 3 Pre-Drilled Enclosures							
 30	For 4 actuators 2 vertical rails	M20	1.8	5.3	U63W130	U63W230	U63U130
		M25	1.8	5.3	U63W330	U63W430	U63U330
 32	For 6 actuators 2 vertical rails	M20	1.8	5.3	U63W132	U63W232	U63U132
		M25	1.8	5.3	U63W332	U63W432	U63U332
 33	For 1 ammeter 48 x 48 + 2 actuators 1 vertical rail (V) 1 horizontal rail (5-6)	M20	1.8	5.3	U63W133	U63W233	U63U133
		M25	1.8	5.3	U63W333	U63W433	U63U333

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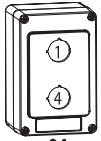
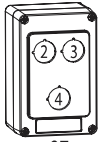
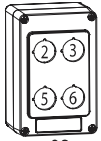
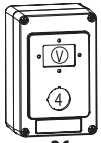
Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

Aluminum Pre-drilled boxes for Control Stations

Included: 1 white self-adhesive laminated plastic nameplate (black lettering), clearance entries.



	Description/Function	Entries	Weight kg	Volume dm³	Catalog Number 1 Bottom	Catalog Number 2 Bottom	Catalog Number Feed–Thru
Size 1 Pre-Drilled Enclosures							
 01	For 1 actuator 1 horizontal rail	M20	1.0	2.7	U81W101	U81W201	U81U101
 02	For 2 actuators 1 horizontal rail	M20	1.0	2.7	U81W102	U81W202	U81U102
Size 2 Pre-Drilled Enclosures							
 04	For 2 actuators 1 vertical rail	M20	1.5	2.7	U82W104	U82W204	U82U104
 07	For 3 actuators 2 horizontal rails	M20	1.5	2.7	U82W107	U82W207	U82U107
 08	For 4 actuators 2 horizontal rails	M20	1.5	2.7	U82W108	U82W208	U82U108
 26	For 1 Ammeter 48x48 + 1 actuator 1 vertical rail	M20	1.5	2.7	U82W126	U82W226	U82U126

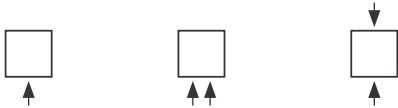
Unicode® 2 Series Pre-Drilled Control Stations

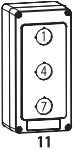
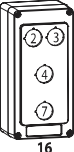
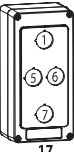
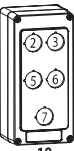
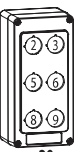
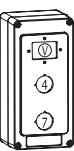
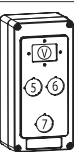
Increased Safety

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

Zone 1 and 2 – 21 and 22
Gas (G) and Dust (D)

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



Description/Function		Entries	Weight kg	Volume dm ³	Catalog Number 1 Bottom	Catalog Number 2 Bottom	Catalog Number Feed-Thru
Size 3 Pre-Drilled Enclosures — 230 mm x 110 mm x 95 mm							
	For 3 actuators 1 vertical rail	M20	1.8	4.2	U83W111	U83W211	U83U111
		M25	1.8	4.2	U83W311	U83W411	U83U311
	For 4 actuators 3 horizontal rails	M20	1.8	4.2	U83W116	U83W216	U83U116
		M25	1.8	4.2	U83W316	U83W416	U83U316
	For 4 actuators 3 horizontal rails	M20	1.8	4.2	U83W117	U83W217	U83U117
		M25	1.8	4.2	U83W317	U83W417	U83U317
	For 5 actuators 3 horizontal rails	M20	1.8	4.2	U83W118	U83W218	U83U118
		M25	1.8	4.2	U83W318	U83W418	U83U318
	For 6 actuators 3 horizontal rails	M20	1.8	4.2	U83W120	U83W220	U83U120
		M25	1.8	4.2	U83W320	U83W420	U83U320
	For 1 ammeter 48x48 + 2 actuators 1 vertical rail	M20	1.8	4.2	U83W123	U83W223	U83U123
		M25	1.8	4.2	U83W323	U83W423	U83U323
	For 1 ammeter 48x48 + 3 actuators 1 vertical rail (V) 2 horizontal rails (5-6-7)	M20	1.8	4.2	U83W124	U83W224	U83U124
		M25	1.8	4.2	U83W324	U83W424	U83U324

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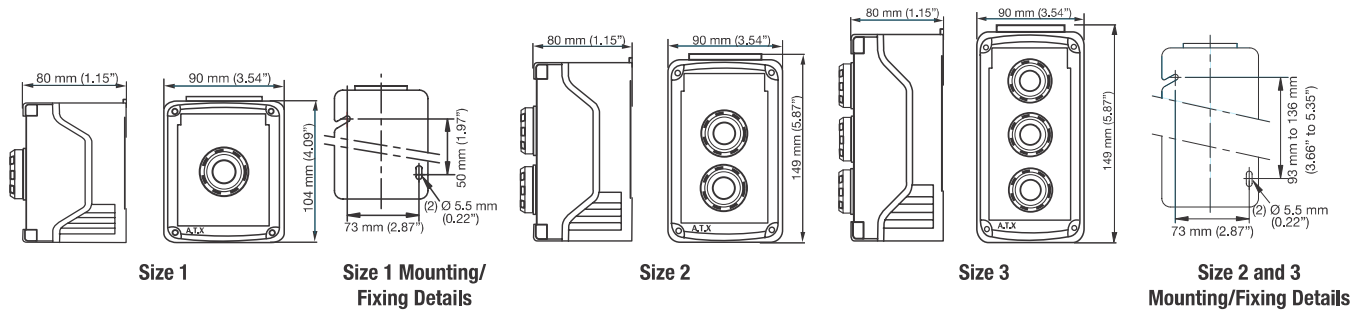
Polyamide, Fiberglass Reinforced Polyester, 316L Stainless Steel, Aluminum

Zone 1 and 2 – 21 and 22

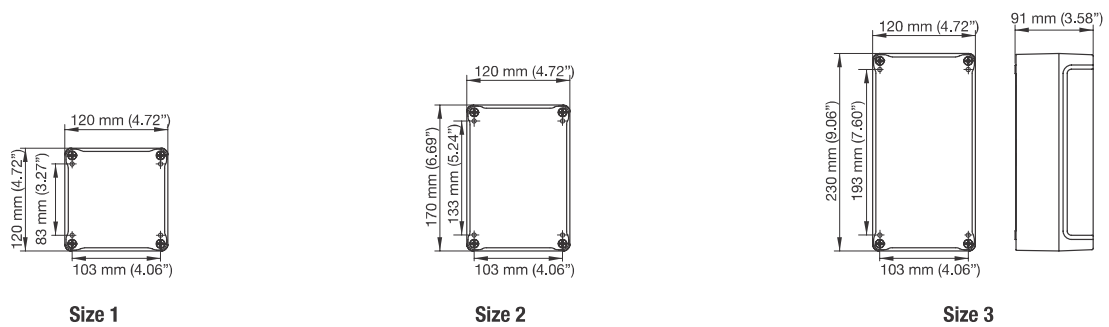
Gas (G) and Dust (D)

Dimensions

Polyamide

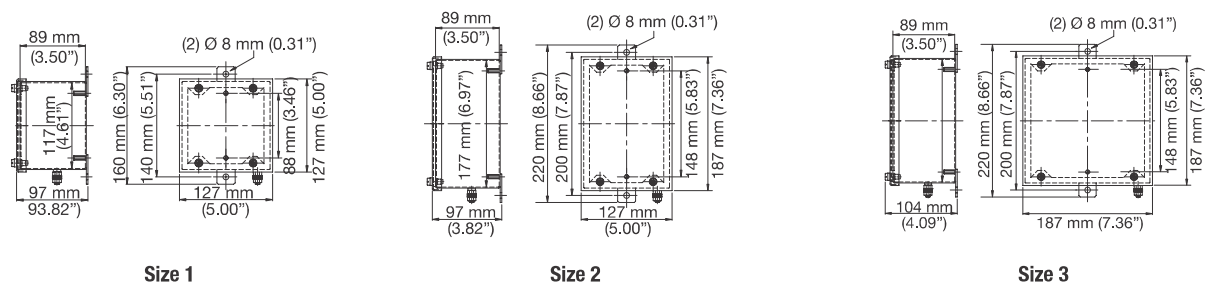


Fiberglass Reinforced Polyester

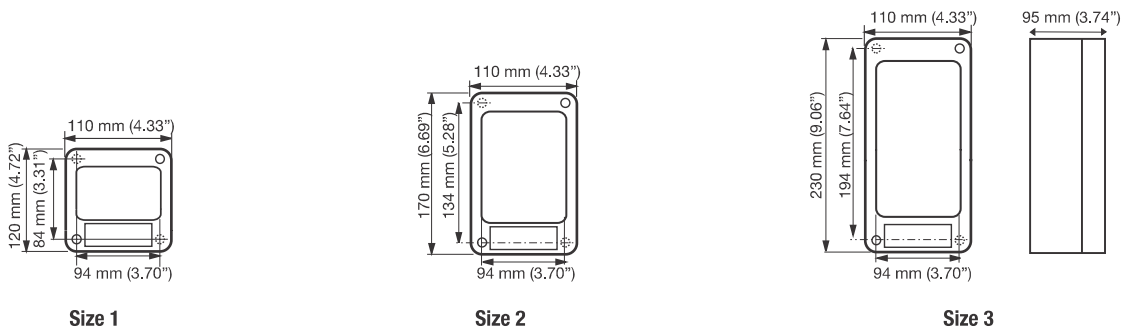


Mounting/Fixing Details for Above Boxes: Four Holes Ø 5 mm

316L Stainless Steel



Aluminum



Mounting/Fixing Details for above Boxes: Two Holes Ø 5 mm

Visit our website at www.appletonelec.com or contact us at +33.3.22.54.27.54.

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