

Unicode™ 2 | Pre-Drilled Control Stations

Increased Safety

Polycarbonate, Fiberglass Reinforced Polyester, 316L Stainless Steel

ATEX/IECEx: Zones 1 and 2 – 21 and 22
Notable: UKEX, INMETRO Certified

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

- Polycarbonate
 - Body and cover: polycarbonate, black finish
- Polyester
 - Body and cover: fiberglass reinforced polyester (FRP), black finish.
- Stainless Steel
 - Body and cover: 316L stainless steel, natural finish
- Cable gland and blanking plug: polyamide
- Cover screws: stainless steel
- Nameplate: white self-adhesive laminated plastic

ATEX/IECEx Certifications and Compliances

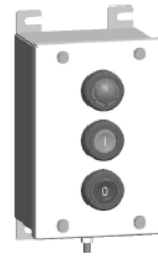
- Polycarbonate
 - Certification Type: U4
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 G
 - Type de Protection : Ex eb IIC, Ex db eb IIC, Ex eb mb IIC, Ex db eb mb IIC Gb (depending on components)
 - Temperature Class: T6
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 D
 - Type of Protection: Ex tb IIIC Db
 - Surface Temperature: T70 °C (T158 °F)
 - Ambient Temperature: -20 °C to +55 °C (-4 °F to +131 °F)
 - ATEX Certificate: INERIS 21ATEX0002X
 - IECEx Certificate: IECEx INE 21.0004X
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK09 (IK10 - contact sales)
- Fiberglass Reinforced Polyester (FRP)
 - Certification Type: : U2
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 G
 - Type of Protection: Ex eb IIC, Ex db eb IIC, Ex eb mb IIC, Ex db eb mb IIC Gb (depending on components)
 - Temperature Class: T6
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 D
 - Type of Protection: Ex tb IIIC Db
 - Surface Temperature: T80 °C (T176 °F)
 - Ambient Temperature: -40 °C / -25 °C (-40 / -13 °F) - (ammeters and voltmeters) to +55 °C (131 °F)
 - ATEX Certificate: INERIS 20ATEX0049X
 - IECEx Certificate: IECEx INE 20.0050X
 - Protection index following EN/IEC 60529: IP66
 - Impact resistance (shock) : IK09



U4 | Polycarbonate



U2 | Fiberglass Reinforced Polyester



U6 | Stainless Steel

- Stainless Steel
 - Certification Type: : U6
 - Gas: Zone 1 and 2
 - Conforming to ATEX 2014/34/EU: II 2 G
 - Type of Protection: Ex eb IIC, db eb IIC, Ex eb mb IIC, Ex db eb mb IIC (depending on components) Gb
 - Temperature Class: T6
 - Dust: Zone 21 and 22
 - Conforming to ATEX 2014/34/EU: II 2 D
 - Type of Protection: Ex tb IIIC Db
 - Surface Temperature: T80 °C (T176 °F)
 - Ambient Temperature: -40 °C or -25 °C (-40 °F to -13 °F) (ammeters and voltmeters) at +55 °C (-131 °F)
 - ATEX Certificate: INERIS 22ATEX0013X
 - IECEx Certificate: IECEx INE 22.0025X
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK09

UKEX Certifications

- Certification Type: U4 (polycarbonate)
 - UKEX Certificate: CML21UKEX11411X
- Certification Type: U2 (polyester)
 - UKEX Certificate: CML 21UKEX1151X
- Certification Type: U6 (stainless steel)
 - UKEX Certificate: CML 22UKEX1604X

INMETRO Certifications

- Certification Type: U4 (polycarbonate)
 - INMETRO Certificate: BVC22.4130-X
- Certification Type: U2 (polyester)
 - INMETRO Certificate: BVC 22.4127-X
- Certification Type: U6 (stainless steel)
 - INMETRO Certificate: BVC23.4214-X

Unicode™ 2 | Pre-Drilled Control Stations

Increased Safety

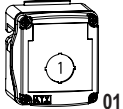
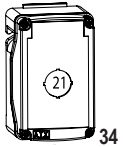
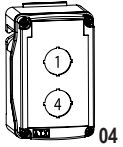
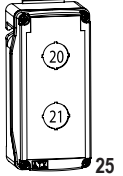
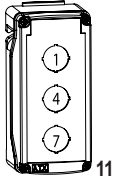
Polycarbonate, Fiberglass Reinforced Polyester, 316L Stainless Steel

ATEX/IECEx: Zones 1 and 2 – 21 and 22
 Notable: UKEX, INMETRO Certified

Polycarbonate Pre-drilled Boxes for Control Stations

Included: 1 white self-adhesive laminated plastic nameplate (black lettering), 2 clearance entries at bottom.
 Assembly only with TCe certified type control auxiliaries and UCVe certified type contact blocks and pilot lights. I_{max} = 10A.
 Other configurations on request.



	Description/ Function	Entries	Weight kg (lb)	Volume dm ³ (in ³)	Catalog Number 2 Bottom
Size 1 — Pre-Drilled Enclosures					
	For 1 actuator 1 vertical rail	M20	0.7 (1.54)	2.5 (152.56)	U41W201
Size 2 — Pre-Drilled Enclosures					
	For 1 actuator 1 vertical rail	M20	0.9 (1.98)	2.5 (152.56)	U42W234
	For 2 actuators 1 vertical rail	M20	0.9 (1.98)	2.5 (152.56)	U42W204
Size 3 — Pre-Drilled Enclosures					
	For 2 actuators 1 vertical rail	M20	1.0 (2.20)	2.5 (152.56)	U43W225
	For 3 actuators 1 vertical rail	M20	1.0 (2.20)	2.5 (152.56)	U43W211

Control Stations and Panels

Unicode™ 2 | Pre-Drilled Control Stations

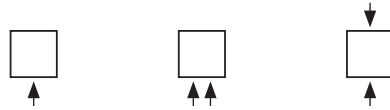
Increased Safety

Polycarbonate, Fiberglass Reinforced Polyester, 316L Stainless Steel

ATEX/IECEx: Zones 1 and 2 – 21 and 22
 Notable: UKEX, INMETRO Certified

Polyester Pre-Drilled Boxes for Control Stations

Included: 1 white self-adhesive laminated plastic nameplate (black lettering), 1 earth continuity brass plate, threaded entries. Assembly only with TCe certified type control auxiliaries and UCVe certified type contact blocks and pilot lights. I_{max} = 9A. Other configurations on request.



Description/ Function	Entries	Weight kg (lb)	Volume dm3 (in3)	Catalog Number			
				1 Bottom	2 Bottom	Feed-Thru	
Size 1 — Pre-Drilled Enclosures							
 01	For 1 actuator 1 horizontal rail	M20	0.8 (1.76)	2.7 (164.76)	U21W101	U21W201	U21U101
		M25			U21W301	U21W401	U21U301
 02	For 2 actuators 1 horizontal rail	M20	0.8 (1.76)	2.7 (164.76)	U21W102	U21W202	U21U102
		M25			U21W302	U21W402	U21U302
Size 2 — Pre-Drilled Enclosures							
 04	For 2 actuators 1 vertical rail	M20	1.0 (2.20)	4.2 (256.30)	U22W104	U22W204	U22U104
		M25			U22W304	U22W404	U22U304
 06	For 3 actuators 2 horizontal rails	M20	1.0 (2.20)	4.2 (256.30)	U22W106	U22W206	U22U106
		M25			U22W306	U22W406	U22U306
 08	For 4 actuators 2 horizontal rails	M20	1.0 (2.20)	4.2 (256.30)	U22W108	U22W208	U22U108
		M25			U22W308	U22W408	U22U308

Control Stations and Panels

Unicode™ 2 | Pre-Drilled Control Stations

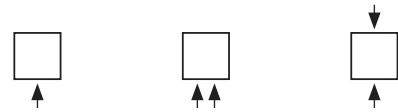
Increased Safety

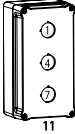
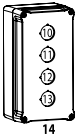
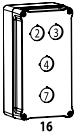
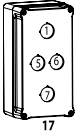
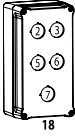
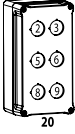
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ATEX/IECEx: Zones 1 and 2 – 21 and 22
 Notable: UKEX, INMETRO Certified

Polyester Pre-Drilled Boxes for Control Stations

Included: 1 white self-adhesive laminated plastic nameplate (black lettering), 1 earth continuity brass plate, threaded entries. Assembly only with TCE certified type control auxiliaries and UCVe certified type contact blocks and pilot lights. I_{max} = 9A. Other configurations on request.



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 x 120 x 91 (9.06 x 4.72 x 3.58 in)							
 11	For 3 actuators 1 vertical rail	M20	1.1 (2.43)	4.2 (256.30)	U23W111	U23W211	U23U111
		M25			U23W311	U23W411	U23U311
 14	For 4 actuators 1 vertical rail	M20	1.1 (2.43)	4.2 (256.30)	U23W114	U23W214	U23U114
		M25			U23W314	U23W414	U23U314
 16	For 4 actuators 3 horizontal rails	M20	1.1 (2.43)	4.2 (256.30)	U23W116	U23W216	U23U116
		M25			U23W316	U23W416	U23U316
 17	For 4 actuators 3 horizontal rails	M20	1.1 (2.43)	4.2 (256.30)	U23W117	U23W217	U23U117
		M25			U23W317	U23W417	U23U317
 18	For 5 actuators 3 horizontal rails	M20	1.1 (2.43)	4.2 (256.30)	U23W118	U23W218	U23U118
		M25			U23W318	U23W418	U23U318
 20	For 6 actuators 3 horizontal rails	M20	1.1 (2.43)	4.2 (256.30)	U23W120	U23W220	U23U120
		M25			U23W320	U23W420	U23U320

Control Stations and Panels

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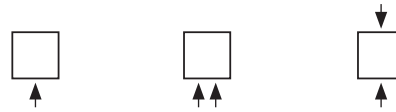
Increased Safety

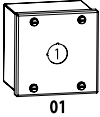
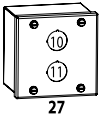
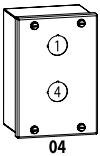
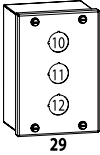
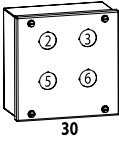
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Notable: UKEX, INMETRO Certified

Stainless Steel Pre-drilled Boxes for Control Stations

Included: 1 white self-adhesive laminated plastic nameplate (black lettering), clearance entries.
Assembly only with TCe certified type control auxiliaries and UCVe certified type contact blocks and pilot lights. I_{max} = 9A. Other configurations on request.



Description/ Function	Entries	Weight kg (lb)	Volume dm ³ (in ³)	Catalog Number		
				1 Bottom	2 Bottom	Feed-Thru
Size 1 — Pre-Drilled Enclosures						
 01 For 1 actuator 1 vertical rail	M20	1.0 (2.20)	2.7 (164.76)	U61W101	U61W201	U61U101
	M25			U61W301	U61W401	U61U301
 27 For 2 actuators 1 vertical rail	M20	1.0 (2.20)	2.7 (164.76)	U61W127	U61W227	U61U127
	M25			U61W327	U61W427	U61U327
Size 2 — Pre-Drilled Enclosures						
 04 For 2 actuators 1 vertical rail	M20	1.5 (3.31)	3.6 (219.69)	U62W104	U62W204	U62U104
	M25			U62W304	U62W404	U62U304
 29 For 3 actuators 1 vertical rail	M20	1.5 (3.31)	3.6 (219.69)	U62W129	U62W229	U62U129
	M25			U62W329	U62W429	U62U329
Size 3 — Pre-Drilled Enclosures						
 30 For 4 actuators 2 vertical rails	M20	1.8 (3.97)	5.3 (323.43)	U63W130	U63W230	U63U130
	M25			U63W330	U63W430	U63U330

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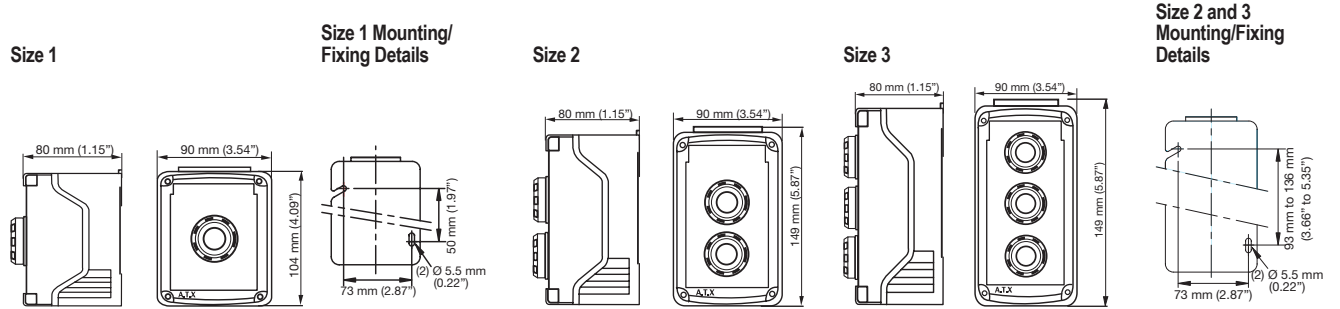
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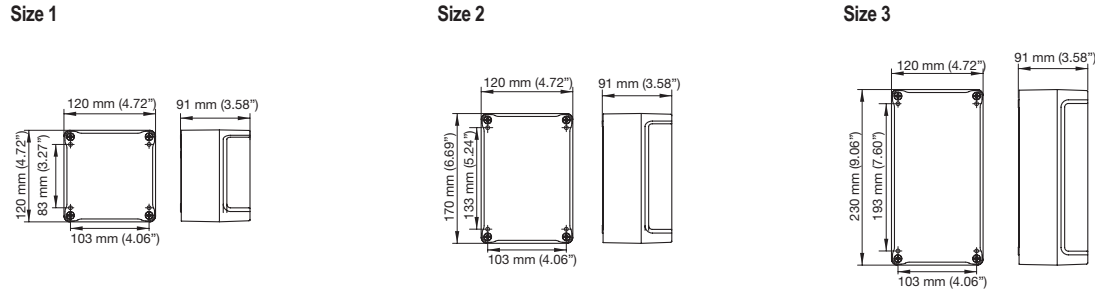
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Dimensions in Millimeters (Inches)

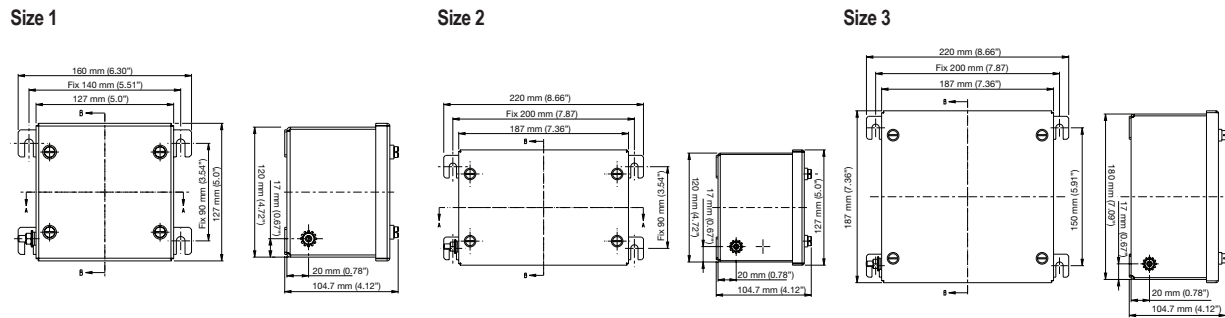
Polycarbonate



Fiberglass Reinforced Polyester Mounting/Fixing Details: Four Holes Ø 5 mm (0.20")



316L Stainless Steel Mounting/Fixing Details: Four Holes Ø 5 mm (0.20")



Control Stations and Panels