

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety

Fiberglass Reinforced Polyester

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
- Push buttons and selector switches are used in conjunction with contactors or magnetic starters for remote control of motors in hazardous locations. They provide circuit control and/or selection.
- Pilot lights provide visual assurance that an electrical function is being performed at a remote or hazardous location.
- For use in washdown areas.

### Features

- Employs Ex de method of protection which eliminates the need for external seals.
- Operators include push buttons, illuminated push buttons, selector switches, control and load break switches and LED pilot lights.
- Pilot light employs high intensity single LED with lifetime of 100,000 hours that can be used at:
  - 12 Vac to 254 Vac 50/60 Hz
  - 12 Vdc to 60 Vdc
- 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:
    - AC12: 16 Amp/400 Vac
    - AC14: 10 Amp/400 Vac
    - AC15: 6 Amp/500 Vac
    - DC13: 2 Amp/24 Vdc and 1 Amp/110 Vdc
- Selector switch technical data:
  - IEC rated operating voltage: 690 Vac
  - IEC rated operating current: maximum 16 Amp
  - IEC switching capacity:
    - AC1: 16 Amp/690 Vac
    - AC15: 16 Amp/415 Vac
    - AC3: 8 Amp/500 Vac
    - AC3: 4 Amp/690 Vac
    - AC3: 16 Amp/690 Vac
    - DC1: 10 Amp/24 Vdc
    - DC1: 6 Amp/60 Vdc
    - DC1: 6 Amp/110 Vdc (2 contacts wired in series)
    - DC1: 6 Amp/220 Vdc (3 contacts in series)
- Enclosures are rated for IP66 with firmly secured gasket.
- Operators and contact blocks are spaced so as to have easy and ample space for wiring.
- Wide selection of termination methods available.
- Choice of DIN rail mounted high performance contact block suitable for low intensity (less than 5mA).
- TS35 rail mounted components held securely in place during operation and easily removed for service.
- Brass Inserts are provided for TS35 DIN rails or mounting plate to be installed inside the enclosure.
- Captive, corrosion resistant stainless steel cover screws.



**U22W2 PGA5**  
**Fiberglass Reinforced Polyester**

### Materials

- Body and cover: choice of fiberglass reinforced polyester (FRP) with black finish
- Cover screws for fiberglass reinforced polyester body: 316 stainless steel

### Accessories

- Key for changing actuator blocks.
- Guard for mushroom head actuator.
- Padlockable guard.
- M5 and M6 earth stud.
- Combination drain and breather available in brass, polyamide and stainless steel.

### Options

- Nameplates: stainless steel or Lamacoid with different color combinations.
- Padlocking facility at left, center, right or any position on selector switches.
- Padlocking facility for momentary and maintained push buttons.
- Special contact arrangements available, see *Unicode 2 Series Customized Control Stations*.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety



Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Certification and Compliances

#### ◆ ATEX / IECEx Certification

- **Certification Type CSPe (Fiberglass Reinforced Polyester [FRP])**
  - Gas: Zone 1 and 2
    - Conforming to ATEX 94/9/CE:  II2 G
    - Type of Protection: Ex de IIC or Ex demb IIC (depending of the actuator)
    - Temperature class: T6
  - Dust: Zone 21 and 22
    - Conforming to ATEX 94/9/CE:  II2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T75 °C
  - Ambient Temperature: -55 °C to +60 °C (empty enclosure)
  - -20°C or -25°C to +55°C or +60°C depending of the actuator
  - 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

#### ◆ EURASEC Certification

- EURASEC RU C-FR ГБ 05.B.00911

#### ◆ Others Certification ①

- INMETRO Certificate: BVC 11.0637-X

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

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety

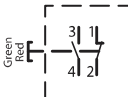
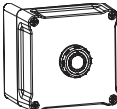
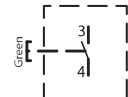
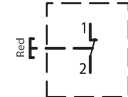
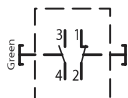

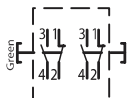
Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Size 1 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 1 blanking plug, 1 cable gland.

Description/Function	Diagram	Bottom Entry	Weight kg	Volume dm <sup>3</sup>	Polyester Catalog Number
Momentary Push Button					
1x push buton (with Green insert 'I' + red insert 'O') with 1NO + 1NC momentary contact		2 x M20 2 x M25	1.0 1.0	4.0 4.0	<b>U21W2A3</b> <b>U21W4A3</b>
 1x green push button 'I' with 1NO momentary contact		2 x M20 2 x M25	1.0 1.0	4.0 4.0	<b>U21W2A5</b> <b>U21W4A5</b>
1x red push button 'O' with 1NC momentary contact		2 x M20 2 x M25	1.0 1.0	4.0 4.0	<b>U21W2A9</b> <b>U21W4A9</b>
Twin Momentary Push Buttons					
1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20 2 x M25	1.1 1.1	4.0 4.0	<b>U21W2A5A9</b> <b>U21W4A5A9</b>
 1x green push button 'I' with 1NO + 1NC contact 1x red push button 'O' with 1NO + 1NC contact Momentary contacts		2 x M20 2 x M25	1.1 1.1	4.0 4.0	<b>U21W2A3A3</b> <b>U21W4A3A3</b>

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety


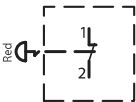
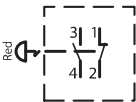
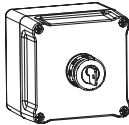
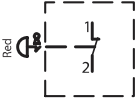
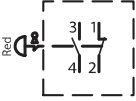

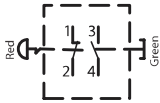
Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Size 1 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 1 blanking plug, 1 cable gland.

Description/Function		Diagram	Bottom Entry	Weight kg	Volume dm³	Polyester Catalog Number
<b>Emergency Stop</b>						
	Red mushroom head push-pull 1NC maintained contact		2 x M20	1.0	4.0	U21W2D9
			2 x M25	1.0	4.0	U21W4D9
	Red mushroom head push-pull 1NO + 1NC maintained contact		2 x M20	1.0	4.0	U21W2D3
			2 x M25	1.0	4.0	U21W4D3
	Red mushroom head key release 1NC maintained contact		2 x M20	1.0	4.0	U21W2C9
			2 x M25	1.0	4.0	U21W4C9
	Red mushroom head key release 1NO + 1NC maintained contact		2 x M20	1.0	4.0	U21W2C3
			2 x M25	1.0	4.0	U21W4C3
<b>Push Pull Emergency Stop + Push Button</b>						
	1x red mushroom head push-pull with 1NC maintained contact		2 x M20	1.1	4.0	U21W2D9A5
	1x green push button 'I' with 1NO momentary contact		2 x M25	1.1	4.0	U21W4D9A5

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.

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

# Unicode® 2 Series Polyester Control Stations and Switches

Increased Safety  
Fiberglass Reinforced Polyester


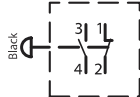
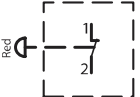
Zone 1 and 2 – 21 and 22  
Gas (G) and Dust (D)

### Size 1 Polyester Control Station


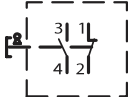
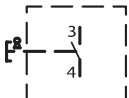
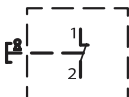
Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate , 1 blanking plug , 1 cable gland .

Description/Function	Diagram	Bottom Entry	Weight kg	Volume dm³	Polyester Catalog Number
----------------------	---------	--------------	-----------	------------	--------------------------

#### Mushroom Head Push Button

	Black mushroom head push button 1NO + 1NC momentary contact		2 x M20	1.0	4.0	<b>U21W2B3</b>
			2 x M25	1.0	4.0	<b>U21W4B3</b>
	Red mushroom head push button 1NC momentary contact		2 x M20	1.0	4.0	<b>U21W2R9</b>
			2 x M25	1.0	4.0	<b>U21W4R9</b>

#### Key Push Button

	With key removable in both positions 1NO + 1NC maintained contact		2 x M20	1.0	4.0	<b>U21W2E3</b>
			2 x M25	1.0	4.0	<b>U21W4E3</b>
	With key removable in both positions 1NO maintained contact		2 x M20	1.0	4.0	<b>U21W2E5</b>
			2 x M25	1.0	4.0	<b>U21W4E5</b>
	With key removable in both positions 1NC maintained contact		2 x M20	1.0	4.0	<b>U21W2E9</b>
			2 x M25	1.0	4.0	<b>U21W4E9</b>

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety




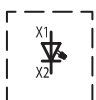

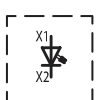
Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Size 1 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate , 1 blanking plug , 1 cable gland .

Description/Function	Diagram	Bottom Entry	Weight kg	Volume dm³	Polyester Catalog Number
<b>Pilot Light</b>					
		2 x M20	1.0	4.0	<b>U21W2PR</b>
		2 x M25	1.0	4.0	<b>U21W4PR</b>
		2 x M20	1.0	4.0	<b>U21W2PG</b>
		2 x M25	1.0	4.0	<b>U21W4PG</b>
		2 x M20	1.0	4.0	<b>U21W2PB</b>
1x blue pilot light ①		2 x M25	1.0	4.0	<b>U21W4PB</b>
1x yellow pilot light ①		2 x M20	1.0	4.0	<b>U21W2PY</b>
		2 x M25	1.0	4.0	<b>U21W4PY</b>
1x white pilot light ①		2 x M20	1.0	4.0	<b>U21W2PW</b>
		2 x M25	1.0	4.0	<b>U21W4PW</b>

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.

① 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety

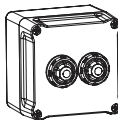
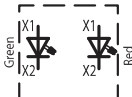
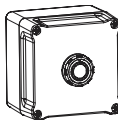
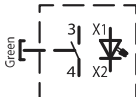
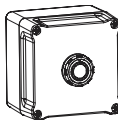
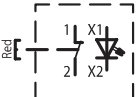
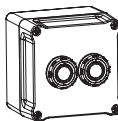
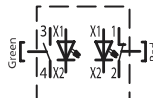
Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Size 1 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 1 blanking plug, 1 cable gland.

Description/Function	Diagram	Bottom Entry	Weight kg	Volume dm³	Polyester Catalog Number
Twin Pilot Light					
 1x green pilot light ① 1x red pilot light ①		2 x M20	1.1	4.0	U21W2PGPR
		2 x M25	1.1	4.0	U21W4PGPR
Illuminated Push Button					
 1x green illuminated ① push button with 1NO momentary contact		2 x M20	1.0	4.0	U21W2LG5
		2 x M25	1.0	4.0	U21W4LG5
 1x red illuminated ① push button with 1NC momentary contact		2 x M20	1.0	4.0	U21W2LR9
		2 x M25	1.0	4.0	U21W4LR9
Twin Illuminated Push Buttons					
 1x green illuminated ①push button with 1NO contact 1x red illuminated ①push button with 1NC contact Momentary contacts		2 x M20	1.0	4.0	U21W2LG5LR9
		2 x M25	1.0	4.0	U21W4LG5LR9

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

① 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety


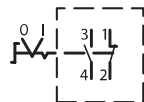
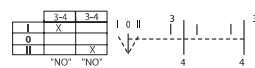

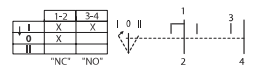
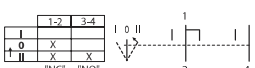
Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Size 1 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 1 blanking plug, 1 cable gland.

Description/Function	Diagram	Bottom Entry	Weight kg	Volume dm³	Polyester Catalog Number
<b>2-Position Selector Switch</b>					
 2 fixed positions '0 - I' 1NO + 1NC contact		2 x M20	1.0	4.0	<b>U21W2H3</b>
		2 x M25	1.0	4.0	<b>U21W4H3</b>
<b>3-Position Selector Switch</b>					
3 fixed positions 'I - 0 - II' 2NO contact		2 x M20	1.0	4.0	<b>U21W2J1</b>
		2 x M25	1.0	4.0	<b>U21W4J1</b>
 3 positions 'I - 0 - II' with spring return from I to 0 1NO + 1NC contact		2 x M20	1.0	4.0	<b>U21W2N3</b>
		2 x M25	1.0	4.0	<b>U21W4N3</b>
3 positions 'I - 0 - II' with spring return from II to 0 1NO + 1NC contact		2 x M20	1.0	4.0	<b>U21W2M3</b>
		2 x M25	1.0	4.0	<b>U21W4M3</b>

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety

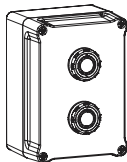
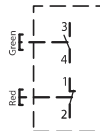
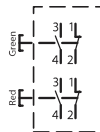
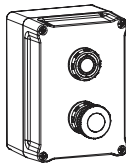
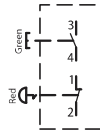
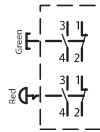
Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Size 2 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate , 1 blanking plug , 1 cable gland .

Description/Function	Diagram	Bottom Entry	Weight kg	Volume dm³	Polyester Catalog Number	
Twin Push Buttons						
		2 x M20	1.2	4.0	U22W2A5A9	
		2 x M25	1.2	4.0	U22W4A5A9	
	1x green push button 'I' with 1NO + 1NC contact 1x red push button 'O' with 1NO + 1NC contact Momentary contacts		2 x M20	1.2	4.0	U22W2A3A3
			2 x M25	1.2	4.0	U22W4A3A3
Push Button + Push-Pull Emergency Stop						
		2 x M20	1.2	4.0	U22W2A5D9	
		2 x M25	1.2	4.0	U22W4A5D9	
	1x green push button 'I' with 1NO + 1NC momentary contact 1x red mushroom head push-pull with 1NO + 1NC maintained contact		2 x M20	1.2	4.0	U22W2A3D3
			2 x M25	1.2	4.0	U22W4A3D3

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety

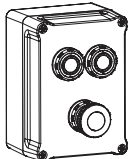
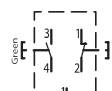
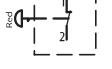
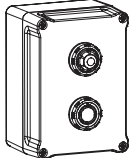
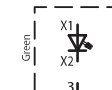
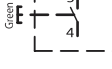
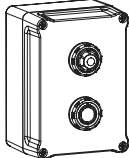

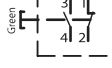
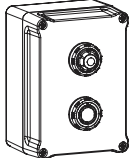
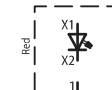
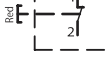
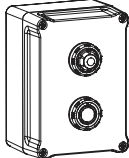
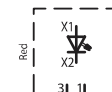
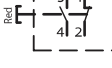
Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Size 2 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 1 blanking plug, 1 cable gland.

Description/Function	Diagram	Bottom Entry	Weight kg	Volume dm <sup>3</sup>	Polyester Catalog Number
<b>Twin Push Buttons + Push-Pull Emergency Stop</b>					
 1x green push button 'I' with 1NO contacts 1x red push button 'O' with 1NC contacts Momentary contacts 1x red mushroom head push-pull with 1x NC maintained contact		2 x M20	1.3	4.0	<b>U22W2A5A9D9</b>
		2 x M25	1.3	4.0	<b>U22W4A5A9D9</b>
<b>Pilot Light + Push Button</b>					
 1x green light ① 1x green push button 'I' with 1NO Momentary contact		2 x M20	1.2	4.0	<b>U22W2PGA5</b>
		2 x M25	1.2	4.0	<b>U22W4PGA5</b>
 1x green light ① 1x green push button 'I' with 1NO+ 1NC Momentary contacts		2 x M20	1.2	4.0	<b>U22W2PGA3</b>
		2 x M25	1.2	4.0	<b>U22W4PGA3</b>
 1x red light ① 1x red push button 'O' with 1NC Momentary contact		2 x M20	1.2	4.0	<b>U22W2PRA9</b>
		2 x M25	1.2	4.0	<b>U22W4PRA9</b>
 1x red light ① 1x red push button 'O' with 1NO + 1NC Momentary contact		2 x M20	1.2	4.0	<b>U22W2PRA3</b>
		2 x M25	1.2	4.0	<b>U22W4PRA3</b>

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.

① 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc.

Visit our website at [www.appletonelec.com](http://www.appletonelec.com) or contact us at +33.3.22.54.27.54.

© March 2016

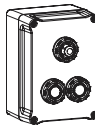



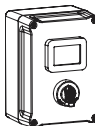
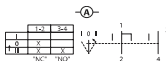
# Unicode® 2 Series Polyester Control Stations and Switches

Increased Safety  
Fiberglass Reinforced Polyester

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

## Size 2 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate , 1 blanking plug , 1 cable gland .

Description/Function		Diagram	Bottom Entry	Weight kg	Volume dm³	Polyester Catalog Number	
Pilot Light + Twin Push Buttons ④							
	1x green light ④		2 x M20	1.3	4.0	U22W2PGA5A9	
	1x green push button 'I' with 1NO		1x red push button 'O' with 1NC	Momentary contacts	2 x M25	1.3	4.0
Twin Pilot Lights + Twin Push Buttons							
	1x green light ①		2 x M20	1.3	4.0	U22W2PGPRA5A9	
	1x red light ①		1x green push button 'I' with 1NO	1x red push button 'O' with 1NC	Momentary contacts	2 x M25	1.3
Ammeter + 3-Position Selector Switch							
	1x ammeter 48 x 48 mm, 1A C.T., 3 F.L.C., with 0 - 1 - 3 scale		2 x M20	1.2	4.0	U22W2VA13M3	
	1x switch 3 positions 'I - 0 - II' with spring return from II to 0		1NO + 1NC contact	2 x M25	1.2	4.0	U22W4VA13M3

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.  
④ 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety

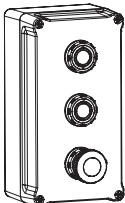
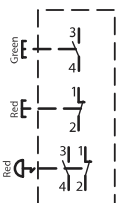
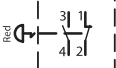
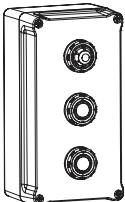
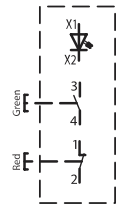
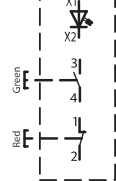
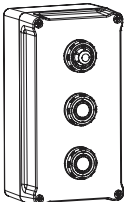
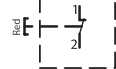

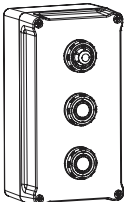


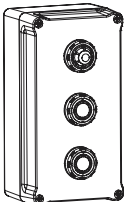
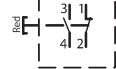
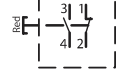
Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Size 3 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 1 blanking plug, 1 cable gland.

Description/Function	Diagram	Bottom Entry	Weight kg	Volume dm³	Polyester Catalog Number
<b>Twin Push Buttons + Push-Pull Emergency Stop</b>					
 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts 1x red mushroom head push-pull Emergency button with 1NO + 1NC Maintained contacts		2 x M20	1.4	6.0	<b>U23W2A5A9D3</b>
		2 x M25	1.4	6.0	<b>U23W4A5A9D3</b>
<b>Pilot Light + Twin Push Buttons</b>					
 1x green light ① 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	1.4	6.0	<b>U23W2PGA5A9</b>
		2 x M25	1.4	6.0	<b>U23W4PGA5A9</b>
 1x red light ① 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	1.4	6.0	<b>U23W2PRA5A9</b>
		2 x M25	1.4	6.0	<b>U23W4PRA5A9</b>
 1x green light ① 1x green push button 'I' with 1NO + 1NC contact 1x red push button 'O' with 1NO + 1NC contact Momentary contacts		2 x M20	1.4	6.0	<b>U23W2PGA3A3</b>
		2 x M25	1.4	6.0	<b>U23W4PGA3A3</b>
 1x red light ① 1x green push button 'I' with 1NO + 1NC contact 1x red push button 'O' with 1NO + 1NC contact Momentary contacts		2 x M20	1.4	6.0	<b>U23W2PRA3A3</b>
		2 x M25	1.4	6.0	<b>U23W4PRA3A3</b>

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.

① 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety

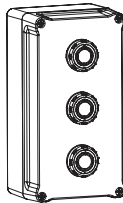
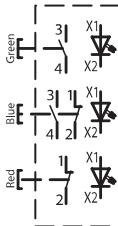
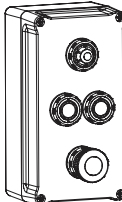
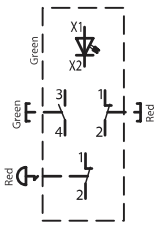
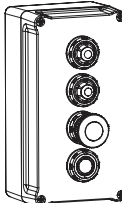
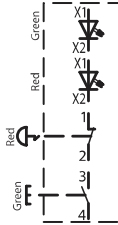
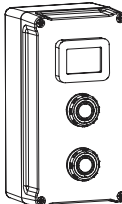
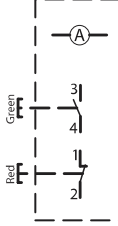
Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Size 3 Polyester Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 1 blanking plug, 1 cable gland.

Description/Function		Diagram	Bottom Entry	Weight kg	Volume dm³	Polyester Catalog Number
Triple Illuminated Push Buttons						
	1x green illuminated push button with 1NO contact ①		2 x M20	1.4	6.0	U23W2LG5LB3LR9
	1x blue illuminated push button with 1NO + 1NC contact ①		2 x M25	1.4	6.0	U23W4LG5LB3LR9
	1x red illuminated push button with NC contact ①					
Momentary contacts						
Pilot Light + Twin Push Buttons + Push-Pull Emergency Stop						
	1x green light ①		2 x M20	1.4	6.0	U23W2PGA5A9D9
	1x green push button 'I' with 1NO contact		2 x M25	1.4	6.0	U23W4PGA5A9D9
	1x red push button 'O' with 1NC contact					
Momentary contacts						
1x red mushroom head push-pull with 1x NC maintained contact						
Twin Pilot Lights + Push-Pull Emergency Stop + Push Button						
	1x green light ①		2 x M20	1.4	6.0	U23W2PGPRD9A5
	1x red light ①		2 x M25	1.4	6.0	U23W4PGPRD9A5
	1x red mushroom head push-pull with 1x NC maintained contact					
1x green push button 'I' with 1NO momentary contact						
Ammeter + Twin Push Buttons						
	1x ammeter 48 x 48 mm, 1A C.T., 3 F.L.C., with 0 - 1 - 3 scale		2 x M20	1.4	6.0	U23W2VA13A5A9
	1x green push button 'I' with 1NO contact		2 x M25	1.4	6.0	U23W4VA13A5A9
	1x red push button 'O' with 1NC contact					
Momentary contacts						

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section.

① 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc.

# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety

Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Nameplates — Set of 10

Blank self-adhesive, laminated plastic 58 mm x 18 mm.

Color	Catalog Number
White (black letters)	UNPW
Yellow (black letters)	UNPY
Red (white letters)	UNPR
Blue (white letters)	UNPB
Black (white letters)	UNPN
Green (white letters)	UNPG

### Inserts for Push Button — Set of 5

Marking	Color	Catalog Number
(unmarked)	Green	UIAG
(unmarked)	Red	UIAR
(unmarked)	Yellow	UIAY
(unmarked)	White	UIAW
(unmarked)	Blue	UIAB
(unmarked)	Black	UIAN
ON	Green	UIA01
OFF	Red	UIA02
START	Green	UIA03
STOP	Red	UIA04
MARCHE	Green	UIA05
ARRET	Red	UIA06
I	Green	UIA07
O	Red	UIA08

### Inserts for Illuminated Push Button — Set of 5

Marking	Color	Catalog Number
(unmarked)	Green	UILG
(unmarked)	Red	UILR
(unmarked)	Yellow	UILY
(unmarked)	White	UILW
(unmarked)	Blue	UILB
ON	Green	UIL01
OFF	Red	UIL02
START	Green	UIL03
STOP	Red	UIL04
MARCHE	Green	UIL05
ARRET	Red	UIL06
I	Green	UIL07
O	Red	UIL08

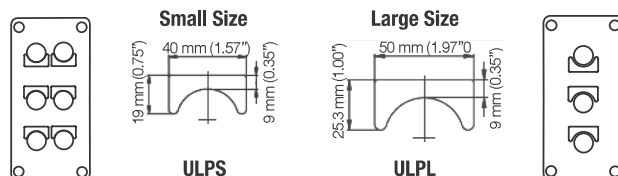
### Spare Key

For all key-operated buttons.

Description	Catalog Number
Spare key type 4 A 185	SK4A185

### Standard Legend Plates

Two sizes available. Self-adhesive yellow laminated plastic (black lettering).



Text	Catalog Number	
	Small	Large
Blank (set of 10)	ULPS	ULPL
ON	ULPSA01	ULPLA01
OFF	ULPSA02	ULPLA02
FORWARD	ULPSA03	ULPLA03
REVERSE	ULPSA04	ULPLA04
JOG	ULPSA05	ULPLA05
RUN	ULPSA06	ULPLA06
START	ULPSA07	ULPLA07
STOP	ULPSA08	ULPLA08
UP	ULPSA09	ULPLA09
DOWN	ULPSA10	ULPLA10
FAST	ULPSA11	ULPLA11
SLOW	ULPSA12	ULPLA12
RAISE	ULPSA13	ULPLA13
LOWER	ULPSA14	ULPLA14
OPEN	ULPSA15	ULPLA15
CLOSE	ULPSA16	ULPLA16
LOW	ULPSA17	ULPLA17
HIGH	ULPSA18	ULPLA18
TEST	ULPSA19	ULPLA19
RESET	ULPSA20	ULPLA20
EMERGENCY STOP	ULPSA21	ULPLA21
MARCHE	ULPSA22	ULPLA22
ARRET	ULPSA23	ULPLA23
ARRET D'URGENCE	ULPSA24	ULPLA24
HAUT	ULPSA25	ULPLA25
BAS	ULPSA26	ULPLA26
O—I	ULPSH01	ULPLH01
ON—OFF	ULPSH02	ULPLH02
START—STOP	ULPSH03	ULPLH03
STOP—START	ULPSH04	ULPLH04
HAND—AUTO	ULPSH05	ULPLH05
MANU—AUTO	ULPSH06	ULPLH06
FORWARD—REVERSE	ULPSH07	ULPLH07
REMOTE—LOCAL	ULPSH08	ULPLH08
MARCHE—ARRET	ULPSH09	ULPLH09
I—O—II	ULPSJ01	ULPLJ01
OFF—O—ON	ULPSJ02	ULPLJ02
START—NORMAL—STOP	ULPSJ03	ULPLJ03
HAND—OFF—AUTO	ULPSJ04	ULPLJ04
MANU—O—AUTO	ULPSJ05	ULPLJ05
FORWARD—OFF—REVERSE	ULPSJ06	ULPLJ06
LOCAL—REMOTE—AUTO	ULPSJ07	ULPLJ07
LOCAL—O—REMOTE	ULPSJ08	ULPLJ08
MARCHE—NORMAL—ARRET	ULPSJ09	ULPLJ09

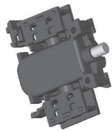

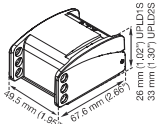


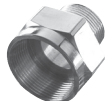



# Unicode® 2 Series Polyester Control Stations and Switches

## Increased Safety

Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

Description		Catalog Number
	<b>Additional Contacts</b>	
	Each actuator is capable of activating 3 contacts. Exception: Illuminated push button and all actuators with key: 2 contacts maximum	
	1NO contact 1NC contact	UCB5R UCB9R
	<b>Yellow Guard</b>	
	Mushroom head protection for emergency stop	098657
	<b>Padlockable Guard</b>	
	Stainless steel and plastic cover, capacity: 3 padlocks diameter 6 mm maximum (not supplied)	
	For push button and rotary actuator	UPLD1S
	For mushroom head actuator	UPLD2S
	<b>Cable Gland Exe</b>	
	For unarmored cable Exe - IP66 - in polyamide entry thread seal	
	M20 (capacity 6.5-14.5 mm)	095605
	For armored cable Exe/Exd - IP66 - in nickel plated brass (without entry thread seal)	
	Braid and Tape type:	
	M20 (inner: 6.4-14.0/outer: 12.5-20.9 mm)	20E1FX5
	Single Wired Armor (SWA):	
	M20 (inner: 6.4-14.0/outer: 12.5-20.9 mm)	20E1FW5
	<b>Adaptors</b>	
	Exd/Exe - IP66 in nickel plated brass (without entry thread seal)	
	Male M20 - Female 1/2" NPT	737DM2T15
	Male M20 - Female 3/4" NPT	737DM2T25
	<b>Entry Thread Seal</b>	
	M20 (in white nylon)	20ETS2
	<b>Combination Drain and Breather</b>	
	Exe - IP66 - supplied with entry thread seal and locknut	
	M20 male thread in Polyamide	DBE20P
	M20 male thread in Brass	DBE20B
	M20 male thread in Stainless Steel	DBE20S
	<b>Feed-Thru Earth Stud Terminal</b>	
	Exe - IP66 – supplied with weatherproof seal and green/yellow earth conductor — 300 mm length	
	M20 with M5 earth and 2.5 mm² conductor	PREESTM20

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

# Unicode® 2 Series Polyester Control Stations and Switches

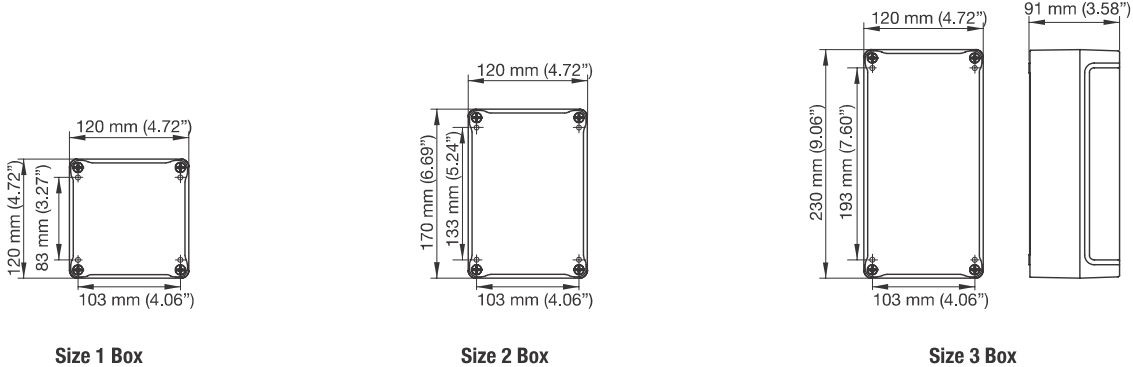
## Increased Safety

Fiberglass Reinforced Polyester

Zone 1 and 2 – 21 and 22

Gas (G) and Dust (D)

### Dimensions in Millimeters



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