

Unicode™ 2 Series Stainless Steel Control Stations and Switches

Increased Safety

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
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
- 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
 - NEMA switching capacity: A600: 10 Amp/600 Vac
- 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)
 - NEMA switching capacity: A600: 10 Amp/600 Vac
- Enclosures are rated for IP66 with firmly secured gasket.
- Operators and contact blocks are spaced for easy wiring.
- Wide selection of termination methods available.
- Choice of DIN rail mounted high performance contact block suitable for low intensity (less than 5 mA).
- TS35 rail mounted components are held securely in place during operation and easily removed for service.



U62W2PRA5A9

- Brass Inserts are provided for TS35 DIN rails or mounting plates to be installed inside the enclosure.
- Captive, corrosion resistant stainless steel cover screws.

Standard Materials

- Body and cover: 316L stainless steel with natural finish
- Cover screws: 304 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*.

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

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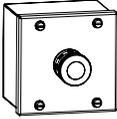
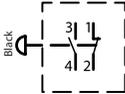
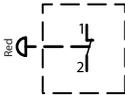
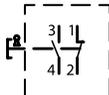
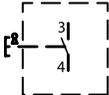
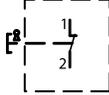
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ATEX/IECEx:
 Zone 1 and 2 – 21 and 22
 ② II 2 GD
 Ex de IIC/Ex demb IIC/ Ex tD A21
 IP66 – IK10

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

Size 1 Stainless Steel Control Station

Included: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate ②, 1 blanking plug ③, 1 cable gland ③.

Description/Function	Diagram	Entry Location	Entry Size	Weight kg (lb)	Volume dm³ (in³)	Catalog Number	
Mushroom Head Push Button ④							
 Black mushroom head push button 1NO + 1NC momentary contact		Bottom	2 x M20	1.2 (2.65)	4.3 (262.40)	U61W2B3	
		Bottom	2 x M25	1.2 (2.65)	4.3 (262.40)	U61W4B3	
		1 x 3/4"		1.2 (2.65)	4.3 (262.40)	U61Z3B3	
	Feed-Thru	2 x 3/4"	1.2 (2.65)	4.3 (262.40)	U61X3B3		
	 Red mushroom head push button 1NC momentary contact		Bottom	2 x M20	1.2 (2.65)	4.3 (262.40)	U61W2R9
			Bottom	2 x M25	1.2 (2.65)	4.3 (262.40)	U61W4R9
1 x 3/4"				1.2 (2.65)	4.3 (262.40)	U61Z3R9	
Feed-Thru		2 x 3/4"	1.2 (2.65)	4.3 (262.40)	U61X3R9		
Key Push Button ④							
 With key removable in both positions 1NO + 1NC maintained contact			Bottom	2 x M20	1.2 (2.65)	4.3 (262.40)	U61W2E3
	Bottom		2 x M25	1.2 (2.65)	4.3 (262.40)	U61W4E3	
	1 x 3/4"			1.2 (2.65)	4.3 (262.40)	U61Z3E3	
	Feed-Thru	2 x 3/4"	1.2 (2.65)	4.3 (262.40)	U61X3E3		
	 With key removable in both positions 1NO maintained contact		Bottom	2 x M20	1.2 (2.65)	4.3 (262.40)	U61W2E5
			Bottom	2 x M25	1.2 (2.65)	4.3 (262.40)	U61W4E5
1 x 3/4"				1.2 (2.65)	4.3 (262.40)	U61Z3E5	
Feed-Thru		2 x 3/4"	1.2 (2.65)	4.3 (262.40)	U61X3E5		
 With key removable in both positions 1NC maintained contact			Bottom	2 x M20	1.2 (2.65)	4.3 (262.40)	U61W2E9
			Bottom	2 x M25	1.2 (2.65)	4.3 (262.40)	U61W4E9
	1 x 3/4"			1.2 (2.65)	4.3 (262.40)	U61Z3E9	
	Feed-Thru	2 x 3/4"	1.2 (2.65)	4.3 (262.40)	U61X3E9		

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

- ① Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used.
- ② Not required for stainless steel.
- ③ Not included if NPT hubs are selected.
- ④ Vertically mounted devices in stainless steel models.

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APPLETON™

Nameplates — Set of 10

Blank self-adhesive, laminated plastic 58 mm x 18 mm (2.29" x 0.71").

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

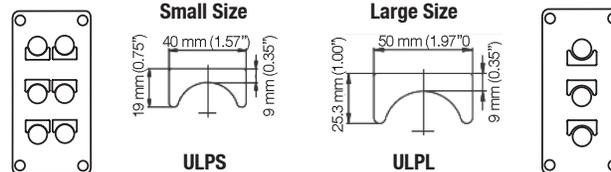
Spare Key

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

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