Unicode™ 2 Series Customized 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 4X①

CEC:
Class I, Division 2, Groups A, B, C, D
Class II, Groups F, G
Class III; Type 4X①
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
- 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:
    - – AC 12: 16 Amps/400 Vac
    - – AC 14: 10 Amps/400 Vac
    - – AC 15: 6 Amps/500 Vac
    - – DC 13: 2 Amps/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 Amps
  - — IEC switching capacity:
    - – AC1: 16 Amps/690 Vac
    - – AC15: 16 Amps/415 Vac
    - – AC3: 8 Amps/500 Vac
    - – AC3: 4 Amps/690 Vac
    - – AC3: 16 Amps/690 Vac
    - – DC1: 10 Amps/24 Vdc
    - – DC1: 6 Amps/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 Amps/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 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.

Polyester

Polyamide

Stainless Steel

Aluminum

- Captive, corrosion resistant stainless steel cover screws.

Standard Materials

- Polyamide
  - — Body, cover, cable gland and blanking plug: polyamide, black finish
- Fiberglass Reinforced Polyester (FRP)
  - — 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
- Optional nameplates: 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.

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

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Ⓔx II 2 GD
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IP66 – IK10

Options

- Nameplates: 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.

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. O-M91, No. 25-M66, No. 213-Ml987, 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

ATEX/IECEx Certification and Compliances

- Polyamide
  - — Certification Type PCe
  - — Gas: Zone 1 and 2
    - – Conforming to ATEX 94/9/CE: Ⓔx II 2 G
    - – Type of Protection: Ex de IIC/Ex demb IIC
    - – Temperature Class: T6
  - — Dust: Zone 21 and 22
    - – Conforming to ATEX 94/9/CE: Ⓔx II2 D
    - – Type of Protection: Ex tD A21
  - — Surface Temperature: T75 °C (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
  - — Index of Protection according EN/IEC 60529: IP66
  - — Impact Resistance (shock): IK09
- Fiberglass Reinforced Polyester (FRP)
  - — Certification Type CSPe
  - — Gas: Zone 1 and 2
    - – Conforming to ATEX 94/9/CE: Ⓔx II 2 G
    - – Type of Protection: Ex de IIC/Ex demb IIC
    - – Temperature Class: T6
  - — Dust: Zone 21 and 22
    - – Conforming to ATEX 94/9/CE: Ⓔx II2 D
    - – Type of Protection: Ex tD A21
  - — Surface Temperature: T75 °C (T167 °F)
  - — Ambient Temperature: -55 °C to +60 °C (-67°F to +140°F) (empty enclosure, temperature to be determine according actuator)
  - — CE Declaration of Conformity: 52084
  - — ATEX Certificate: LCIE 00 ATEX 3032X
  - — IECEx Certificate: IECEx LCI 09.0016X
- Stainless Steel
  - — Certification Type JBe
  - — Gas: Zone 1 and 2
    - – Conforming to ATEX 94/9/CE: Ⓔx II 2 G
    - – Type of Protection: Ex de IIC/Ex demb IIC
    - – Temperature Class: T5 to T6
  - — Dust: Zone 21 and 22
    - – Conforming to ATEX 94/9/CE: Ⓔx 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) (empty enclosure, temperature to be determine according actuator)
  - — 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: Ⓔx II 2 G
    - – Type of Protection: Ex de IIC/Ex demb IIC
    - – Temperature Class: T6
  - — Dust: Zone 21 and 22
    - – Conforming to ATEX 94/9/CE: Ⓔx II2 D
    - – Type of Protection: Ex tD A21
  - — Surface Temperature: T75 °C (T167 °F)
  - — Ambient Temperature: -55 °C to +60 °C (-67 °F to +140 °F) (empty enclosure, temperature to be determine according actuator)
  - — CE Declaration of Conformity: 50221
  - — ATEX Certificate: LCIE 02 ATEX 6047
  - — Index of Protection according EN/IEC 60529: IP66
  - — Impact Resistance (shock): IK10

EURASEC Certification

- Certification Type PCe (Polyamide)
  - — EURASEC RU C-FR ГБ05.B.00911
- Certification Type CSPe (Fiberglass Reinforced Polyester)
  - — EURASEC RU C-FR ГБ05.B.00911
- Certification Type JBe (Stainless Steel)
  - — EURASEC RU C-FR ГБ05.B.00911
- Certification Type PCe (Aluminum)
  - — EURASEC RU C-FR ГБ05.B.00911

Other Certification ②

- Certification Type PCe (Polyamide)
  - — INMETRO Certificate: BVC 11.0640-X
- Certification Type CSPe (Fiberglass Reinforced Polyester)
  - — INMETRO Certificate: BVC 11.0637-X
- Certification Type JBe (Stainless Steel)
  - — INMETRO Certificate: BVC 11.0418-X

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.

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IP66 – IK10

Catalog Numbering Guide - Unicode 2 Enclosures

U	2	3	W2	11	A1SA00G1SA00	T6
Series: U - ATEX/IECEx Certified Unicode 2 Series Enclosures	Material Type and Mounting: 2 - Polyester rail mounted 4 - Polyamide rail mounted ③ 6 - Stainless steel rail mounted 8 - Aluminum rail mounted ③	Size: 1 - Size 1 2 - Size 2 3 - Size 3	Entry Configuration: Bottom, Top and Feed Thru available See below	Cover Layout: Size 1, 2 and 3 available *See following page*	Devices: *1 to 6 devices per unit* Actuator, Pilot Light, Contact Blocks and Accessories See following pages	Options: T6 - M6 earth stud T8 - M8 earth stud T1 - M10 earth stud P5 - M5 earth stud for polyamide or polyester, M25 entry required P6 - M6 earth stud for polyamide or polyester, M20 entry required EP - Brass earth continuity plate (2 x M20 for polyamide box)

Entry Configuration

	NPT					Metric			
	1/2"	2 x 1/2"	3/4"	2 x 3/4"	1"	M20	2 x M20 ②	M25	2 x M25
Bottom	Z1	Z2	Z3	Z4	Z5	W1	W2	W3	W4
Top	Y1	Y2	Y3	Y4	Y5	V1	V2	V3	V4
Feed Thru	X1	X2	X3	X4	X5	U1	U2	U3	U4

① Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used.
② Polyamide versions: Only 2 x M20 available at bottom.
③ Not recognized for use in any NEC/CEC governed hazardous areas.

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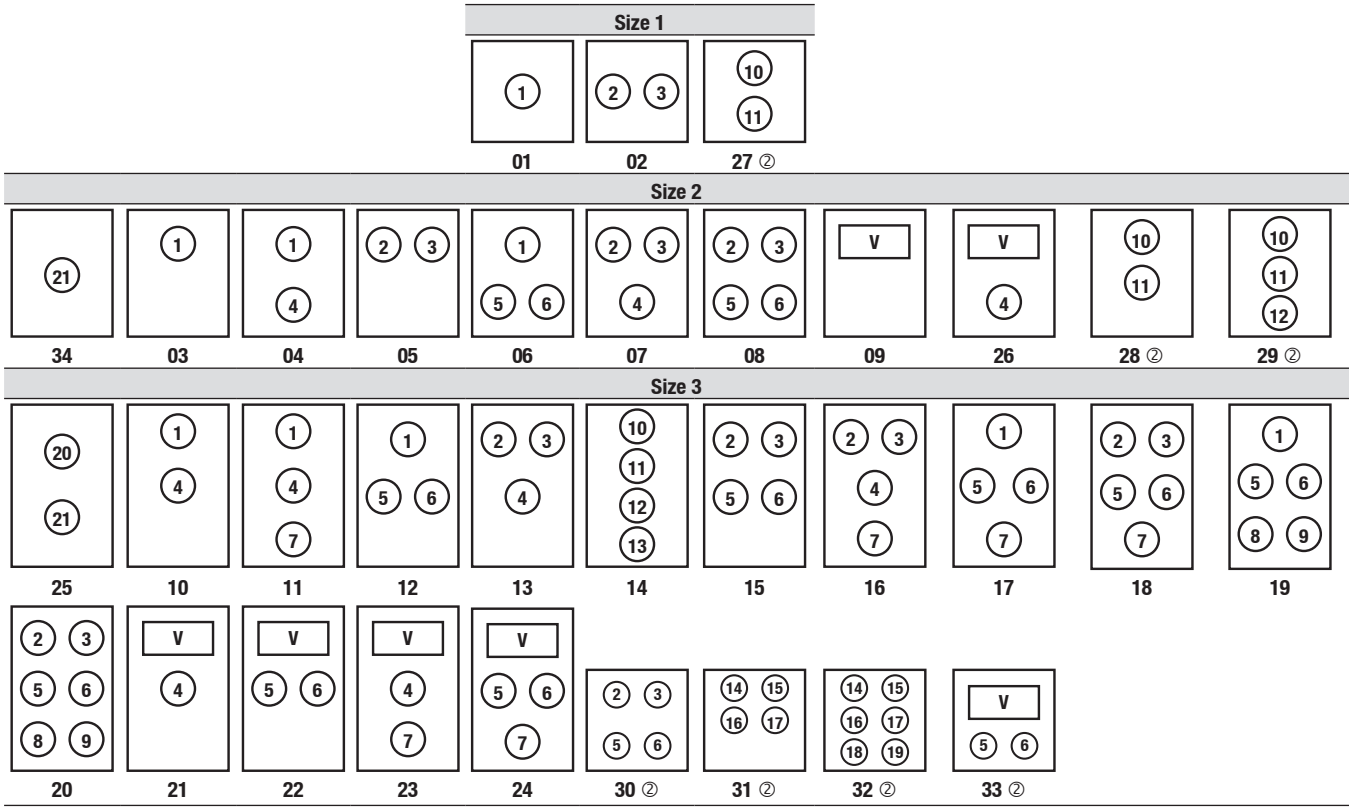
Drilled Cover Layout



Device Examples with Options

Description	
Push button with 1 NO contact and green (unmarked) insert	**A5G**
Push button with 1 NC contact, padlocking device and red (unmarked) insert	**A92R**
Push button with 2 NO contacts and START green insert	**A103**
Push button with 2 NO contacts, padlocking device and START green insert	**A1203**
Push button with 2 NO contacts, padlocking device, START green insert and DOWN small legend plate	**A1203SA10**
Red push-pull emergency stop mushroom head with 2 NC contacts and padlocking device	**D23**
Red push-pull emergency stop mushroom head with 1 NO + 1 NC contacts and protective guard	**D31**
Red push-pull emergency stop mushroom head with 1 NO + 1 NC contacts and padlocking device	**D33**
Green illuminated push button with 1 NO contact	**LG5**
Green illuminated push button with 2 NO contacts, padlocking device and START green insert	**LG1203**

Description	
Green pilot light	**PG**
Red pilot light with STOP large legend plate	**PRLA08**
2-position rotary actuator with 2 NO contacts and padlocking device	**H12**
2-position rotary actuator with 2 NO contacts and HAND—AUTO small legend plate	**H1SH05**
3-position I—O—II rotary actuator (I + II maintained) with 2 NO contacts	**J1**
3-position I—O—II rotary actuator (I + II maintained) with 2 NO contacts and FORWARD—OFF—REVERSE large legend plate	**J1LJ06**
2-position 2-pole switch	**US32**
2-position 2-pole switch with 0—I large legend plate	**US32 LH01**
2-position 4-pole switch	**US35**
2-position 4-pole switch with 0—I large legend plate	**US35LH01**
2 position 2-pole selector switch with STOP—START large legend plate	**US30LH04**
3 position 2-pole selector switch with OFF—0—ON large legend plate	**US31LJ02**

① Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used.
② Stainless steel version only.

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Ⓔx II 2 GD
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IP66 – IK10

Devices	
Push Buttons, Momentary Contacts (3 maximum)	
With 2 NO momentary contacts	**A1**
With 2 NC momentary contacts	**A2**
With 1 NO + 1 NC momentary contacts	**A3**
With 2 NO + 1 NC momentary contacts	**A4**
With 1 NO momentary contact	**A5**
With 1 NO + 2 NC momentary contacts	**A6**
With 3 NO momentary contacts	**A7**
With 3 NC momentary contacts	**A8**
With 1 NC momentary contact	**A9**
Guard and Padlocking Devices	
Guard for mushroom head push button	**1**
Padlocking device for push button and rotary actuator	**2**
Padlocking device for mushroom head push button	**3**
Inserts for Push Buttons and Illuminated Push Buttons	
Green (unmarked)	**G**
Red (unmarked)	**R**
Yellow (unmarked)	**Y**
White (unmarked)	**W**
Blue (unmarked)	**B**
Black (unmarked)	**N**
ON (green)	**01**
OFF (red)	**02**
START (green)	**03**
STOP (red)	**04**
MARCHE (green)	**05**
ARRET (red)	**06**
I (green)	**07**
O (red)	**08**

Legend Plates		
Legend Plates for Push Buttons and Pilot Lights *(Located Above Device)*		
Text	**Small**	**Large**
Blank	**SA00**	**LA00**
ON	**SA01**	**LA01**
OFF	**SA02**	**LA02**
FORWARD	**SA03**	**LA03**
REVERSE	**SA04**	**LA04**
JOG	**SA05**	**LA05**
RUN	**SA06**	**LA06**
START	**SA07**	**LA07**
STOP	**SA08**	**LA08**
UP	**SA09**	**LA09**
DOWN	**SA10**	**LA10**
FAST	**SA11**	**LA11**
SLOW	**SA12**	**LA12**
RAISE	**SA13**	**LA13**
LOWER	**SA14**	**LA14**
OPEN	**SA15**	**LA15**
CLOSE	**SA16**	**LA16**
LOW	**SA17**	**LA17**
HIGH	**SA18**	**LA18**
TEST	**SA19**	**LA19**
RESET	**SA20**	**LA20**

Legend Plates (Continued)		
Legend Plates for Push Buttons and Pilot Lights *(Located Above Device)*		
EMERGENCY STOP	**SA21**	**LA21**
MARCHE	**SA22**	**LA22**
ARRET	**SA23**	**LA23**
ARRET D'URGENCE	**SA24**	**LA24**
HAUT	**SA25**	**LA25**
BAS	**SA26**	**LA26**

Devices	
Illuminated Push Buttons, Momentary Contacts (2 maximum)	
Green with 2 NO momentary contacts	**LG1**
Green with 2 NC momentary contacts	**LG2**
Green with 1 NO + 1 NC momentary contacts	**LG3**
Green with 1 NO momentary contacts	**LG5**
Green with 1 NC momentary contacts	**LG9**
Red with 2 NO momentary contacts	**LR1**
Red with 2 NC momentary contacts	**LR2**
Red with 1 NO + 1 NC momentary contacts	**LR3**
Red with 1 NO momentary contacts	**LR5**
Red with 1 NC momentary contacts	**LR9**

*For other colors replace 2nd letter to **B** for Blue, **W** for White and **Y** for Yellow. Example: Blue — **LB1***

Device Options	
Push buttons complete with key removable in both positions (2 contacts maximum)	
With 2 NO contacts	**E1**
With 2 NC contacts	**E2**
With 1 NO + 1 NC contacts	**E3**
With 1 NO contact	**E5**
With 1 NC contact	**E9**
Push buttons complete with key removable in ON position (2 contacts maximum)	
With 2 NO contacts	**F1**
With 2 NC contacts	**F2**
With 1 NO + 1 NC contacts	**F3**
With 1 NO contact	**F5**
With 1 NC contact	**F9**
Push buttons complete with key removable in OFF position (2 contacts maximum)	
With 2 NO contacts	**G1**
With 2 NC contacts	**G2**
With 1 NO + 1 NC contacts	**G3**
With 1 NO contact	**G5**
With 1 NC contact	**G9**

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IP66 – IK10

Device Options	
Black Mushroom Head Push Buttons, Momentary Contacts (3 maximum)	
With 2 NO momentary contacts	**B1**
With 2 NC momentary contacts	**B2**
With 1 NO + 1 NC momentary contacts	**B3**
With 2 NO + 1 NC momentary contacts	**B4**
With 1 NO momentary contact	**B5**
With 1 NO + 2 NC momentary contacts	**B6**
With 3 NO momentary contacts	**B7**
With 3 NC momentary contacts	**B8**
With 1 NC momentary contact	**B9**

Devices	
Red Mushroom Head Push Buttons, Momentary Contacts (3 maximum)	
With 2 NO momentary contacts	**R1**
With 2 NC momentary contacts	**R2**
With 1 NO + 1 NC momentary contacts	**R3**
With 2 NO + 1 NC momentary contacts	**R4**
With 1 NO momentary contact	**R5**
With 1 NO + 2 NC momentary contacts	**R6**
With 3 NO momentary contacts	**R7**
With 3 NC momentary contacts	**R8**
With 1 NC momentary contact	**R9**
Red Mushroom Head Emergency Stop Buttons, Maintained (3 contacts maximum)	
Push-pull version with 2 NO maintained contacts	**D1**
Push-pull version with 2 NC maintained contacts	**D2**
Push-pull version with 1 NO + 1 NC maintained contacts	**D3**
Push-pull version with 2 NO + 1 NC maintained contacts	**D4**
Push-pull version with 1 NO maintained contact	**D5**
Push-pull version with 1 NO + 2 NC maintained contacts	**D6**
Push-pull version with 3 NO maintained contacts	**D7**
Push-pull version with 3 NC maintained contacts	**D8**
Push-pull version with 1 NC maintained contact	**D9**
Red Mushroom Head Emergency Stop Buttons, Maintained Contacts (2 maximum)	
Key to release with 2 NO maintained contacts	**C1**
Key to release with 2 NC maintained contacts	**C2**
Key to release with 1 NO + 1 NC maintained contacts	**C3**
Key to release with 1 NO maintained contact	**C5**
Key to release with 1 NC maintained contact	**C9**
LED Pilot Lights	
Blue color	**PB**
Green color	**PG**
Red color	**PR**
White color	**PW**
Yellow color	**PY**

Devices	
2 Positions O-I Rotary Actuator (O and I Maintained)	
With 2 NO maintained contacts	**H1**
With 2 NC maintained contacts	**H2**
With 1 NO + 1 NC maintained contacts	**H3**
With 2 NO + 1 NC maintained contacts	**H4**
With 1 NO maintained contact	**H5**
With 1 NO + 2 NC maintained contacts	**H6**
With 3 NO maintained contacts	**H7**
With 3 NC maintained contacts	**H8**
With 1 NC maintained contact	**H9**

Legend Plates for 2-Position Selector Switches
(Located Above Device)

Text	Small	Large
O—I	**SH01**	**LH01**
ON—OFF	**SH02**	**LH02**
START—STOP	**SH03**	**LH03**
STOP—START	**SH04**	**LH04**
HAND—AUTO	**SH05**	**LH05**
MANU—AUTO	**SH06**	**LH06**
FORWARD—REVERSE	**SH07**	**LH07**
REMOTE—LOCAL	**SH08**	**LH08**
MARCHE—ARRET	**SH09**	**LH09**

3 Positions I-O-II Rotary Actuator (I and II maintained)	
With 2 NO maintained contacts	**J1**
With 2 NC maintained contacts	**J2**
With 1 NO + 1 NC maintained contacts	**J3**
With 2 NO + 1 NC maintained contacts	**J4**
With 1 NO + 2 NC maintained contacts	**J6**
With 3 NO maintained contacts	**J7**
With 3 NC maintained contacts	**J8**
3 Positions I-O-II Rotary Actuator (I and II spring-return to O)	
With 2 NO contacts	**K1**
With 2 NC contacts	**K2**
With 1 NO + 1 NC contacts	**K3**
With 2 NO + 1 NC contacts	**K4**
With 1 NO + 2 NC contacts	**K6**
With 3 NO contacts	**K7**
With 3 NC contacts	**K8**
3 Positions I-O-II Rotary Actuator (I Maintained and II Spring-Return to O)	
With 2 NO contacts	**M1**
With 2 NC contacts	**M2**
With 1 NO + 1 NC contacts	**M3**
With 2 NO + 1 NC contacts	**M4**
With 1 NO + 2 NC contacts	**M6**
With 3 NO contacts	**M7**
With 3 NC contacts	**M8**
3 Positions I-O-II Rotary Actuator (I Spring-Return to O + II Maintained)	
With 2 NO contacts	**N1**
With 2 NC contacts	**N2**
With 1 NO + 1 NC contacts	**N3**
With 2 NO + 1 NC contacts	**N4**
With 1 NO + 2 NC contacts	**N6**
With 3 NO contacts	**N7**
With 3 NC contacts	**N8**

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IP66, Type 4X①

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Class II, Groups F, G
Class III; Type 4X①
Class I, Zone 1, AEx de IIC/ AEx tD 21
IP66

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

Legend Plates for 3-Position Selector Switches
(Located Above Device)

Text	Small	Large
I—O—II	**SJ01**	**LJ01**
OFF—O—ON	**SJ02**	**LJ02**
START—NORMAL—STOP	**SJ03**	**LJ03**
HAND—OFF—AUTO	**SJ04**	**LJ04**
MANUAL—O—AUTO	**SJ05**	**LJ05**
FORWARD—OFF—REVERSE	**SJ06**	**LJ06**
LOCAL—REMOTE—AUTO	**SJ07**	**LJ07**
LOCAL—O—REMOTE	**SJ08**	**LJ08**
MARCHE—NORMAL—ARRET	**SJ09**	**LJ09**

Devices	
Ammeters 48 x 48 mm ③	
1A C.T.and 3 F.L.C. with 0-1-3 scale	**VA13**
1A C.T. and 5 F.L.C. with 0-1-5 scale	**VA15**
1A C.T. and 6 F.L.C. with 0-1-6 scale	**VA16**
5A C.T. and 3 F.L.C. with 0-1-3 scale	**VA53**
5A C.T. and 5 F.L.C. with 0-1-5 scale	**VA55**
5A C.T. and 6 F.L.C. with 0-1-6 scale	**VA56**
Box Options	
Earth Stud	
M6 earth stud	**T6**
M8 earth stud	**T8**
M10 earth stud	**T1**
M5 earth stud for polyamide or polyester, M20 entry required	**P5**
M6 earth stud for polyamide or polyester, M25 entry required	**P6**
Earth Continuity Plate	
Brass	**EP**
Plug	
Cover blanking plug	**BP**

① Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used.
② Additional configurations available. See Unicode 2 Series 16 Amp Switches in the Component and Accessories section. Choose the contact arrangement, then add the last four digits of the switch part number in the custom configured control station catalog number.
③ Ammeters are not NEC/CEC Certified.

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Unicode™ 2 Series Customized Control Stations Ordering Example

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 4X①

CEC:
Class I, Division 2, Groups A, B, C, D
Class II, Groups F, G
Class III; Type 4X①
Class I, Zone 1, AEx de IIC/ AEx tD 21
IP66

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

Ordering Example:

Polyester Control Station

- Size 3 with 3 vertical actuators.
- 2 x M20 entries at bottom with brass earth continuity plate.
- Without earth stud.
- Without cable glands and plugs.
- White self-adhesive nameplate with black lettering.
- Text: MOTOR 4
- Position 1: Green pilot light without legend plate.
- Position 2: Green start push button with 2 x NO contacts.
- Green start insert without legend plate and guard.
- Position 7: Emergency stop push-pull mushroom head with 2 x NC contacts without legend plate and guard.

Part No.:
U23W211 PG A103 D2

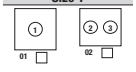
Polyester Customized Control Station Specifications – Type U2

Polyester Customized Control Station Specifications — Type: U4

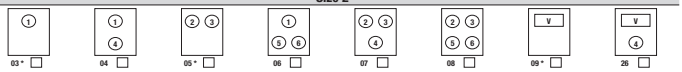
Company Name: _____ Address: _____
Contact: _____
Phone/Fax: _____
Email: _____ Project: _____

Box Definition

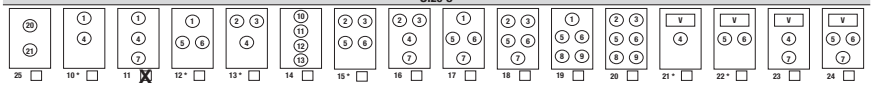
Size 1



Size 2

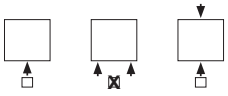


Size 3



** Terminal block available as option. (maximum: 10 x terminals 2.5mm2)*

Entry Position



Entries (clearance hole)
☒ M20
☐ M25 ☐ 3/4" NPT (via hub)

Earth Continuity Plate
Brass Earth Plate as Standard
☐ Stainless Steel Earth Plate

Earth Stud (At Bottom)
☒ Without
☐ T6 Stainless Steel Earth Stud
☐ T8 Stainless Steel Earth Stud

Location
☐ A ☐ B ☐ C ☐ D ☐ A, B, C, D

Cable Glands
☒ Without
☐ Type: Quantity:

Plugs
☒ Without
☐ Type: Quantity:

Nameplate

Option	Type	Color
☐ Without	☒ 58 x 18 Self-Adhesive Laminated Plastic	☒ White (black letters) ☐ Blue (white letters)
☐ With (complete Type and color)	☐ 65 x 18 Screw On Laminated Plastic	☐ Yellow (black letters) ☐ Black (white letters)
	☐ 65 x 18 Screw On in Stainless steel *(available with black lettering only)*	☐ Red (white letters) ☐ Green (white letters)
	Text (1 line):	

Functions

Position	Actuator	Contacts	Insert	Legend Plate	Guard

*** Terminal Blocks (optional)** — **Type** — **Quantity (10 maximum)**
Option for Box No. 03-05-09-10-12-13-15-21-22 only — 2.5 mm²

Additional Instructions: _____

The following inquiry forms should be filled out and sent to your local Appleton/ATX Representative.

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

Visit our website at **www.emerson.com** or contact us at **(800) 621-1506**.
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Unicode™ 2 Series Customized Control Stations — Stainless Steel

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 4X①

CEC:
Class I, Division 2, Groups A, B, C, D
Class II, Groups F, G
Class III; Type 4X①
Class I, Zone 1, AEx de IIC/ AEx tD 21
IP66

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

Stainless Steel Customized Control Station Specifications — Type: U6

Company Name: _____ Address: _____

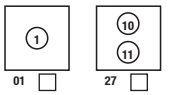
Contact: _____

Phone/Fax: _____

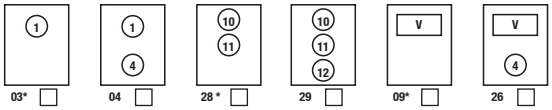
Email: _____ Project: _____

Box Definition

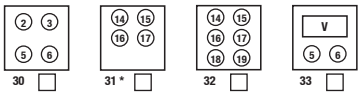
Size 1



Size 2

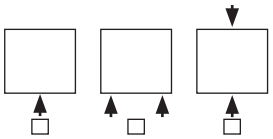


Size 3



** Terminal block available as option. (maximum: 10 x terminals 2.5 mm²)*

Entry Position



Entries — Clearance Hole

☐ M20
☐ M25
☐ 3/4" NPT (via hub)

Earth Stud — At Bottom

T6 Stainless Steel Earth Stud as Standard
☐ T8 Stainless Steel Earth Stud

Location

☐ A ☐ B ☐ C ☐ D ☐ A, B, C, D

Cable Glands

☐ Without
☐ Type: Quantity:

Plugs

☐ Without
☐ Type: Quantity:

Nameplate

Option	Type	Color
☐ Without ☐ With (complete Type and color)	☐ 58 x 18 mm (2.28 x 0.71") Self-Adhesive Laminated Plastic ☐ 65 x 18 mm (2.56 x 0.71") Screw On Laminated Plastic ☐ 65 x 18 mm (2.56 x 0.71") Screw On Stainless Steel *(available with black lettering only)* Text (1 line):	☐ White (black letters) ☐ Blue (white letters) ☐ Yellow (black letters) ☐ Black (white letters) ☐ Red (white letters) ☐ Green (white letters)

Functions

Position	Actuator	Contacts	Insert	Legend Plate	Guard

*** Terminal Blocks (optional)**	**Type**	**Quantity (10 maximum)**
Option for Box No. 03-09-28-31 only	2.5 mm²	

Additional Instructions: _____

① Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used. Please check with your sales representative for hazardous location and ingress protection rating accuracy.

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Unicode™ 2 Series Customized Control Stations — Polyester

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 4X①

CEC:
Class I, Division 2, Groups A, B, C, D
Class II, Groups F, G
Class III; Type 4X①
Class I, Zone 1, AEx de IIC/ AEx tD 21
IP66

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

Polyester Customized Control Station Specifications — Type: U4

Company Name: _____ Address: _____

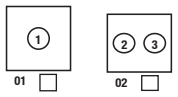
Contact: _____

Phone/Fax: _____

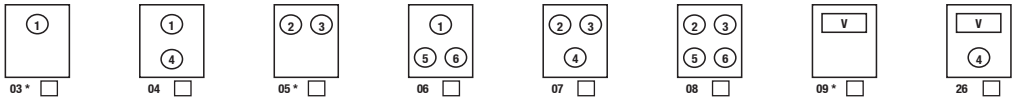
Email: _____ Project: _____

Box Definition

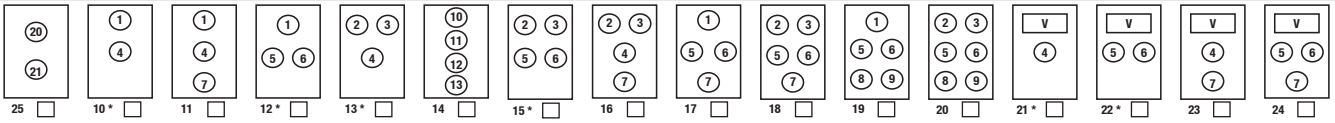
Size 1



Size 2

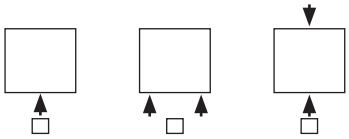


Size 3



** Terminal block available as option. (maximum: 10 x terminals 2.5 mm²)*

Entry Position



Entries — Clearance Hole

☐ M20

☐ M25 ☐ 3/4" NPT (via hub)

Earth Continuity Plate

Brass Earth Plate as Standard

☐ Stainless Steel Earth Plate

Earth Stud — At Bottom

☐ Without

☐ T6 Stainless Steel Earth Stud

☐ T8 Stainless Steel Earth Stud

Location

☐ A ☐ B ☐ C ☐ D ☐ A, B, C, D

Cable Glands

☐ Without

☐ Type: Quantity:

Plugs

☐ Without

☐ Type: Quantity:

Nameplate

Option	Type	Color
☐ Without	☐ 58 x 18 mm (2.28 x 0.71") Self-Adhesive Laminated Plastic	☐ White (black letters) ☐ Blue (white letters)
☐ With (complete Type and color)	☐ 65 x 18 mm (2.56 x 0.71") Screw On Laminated Plastic	☐ Yellow (black letters) ☐ Black (white letters)
	☐ 65 x 18 mm (2.56 x 0.71") Screw On in Stainless steel *(available with black lettering only)*	☐ Red (white letters) ☐ Green (white letters)
	Text (1 line):	

Functions

Position	Actuator	Contacts	Insert	Legend Plate	Guard

*** Terminal Blocks (optional)**	**Type**	**Quantity (10 maximum)**
Option for Box No. 03-05-09-10-12-13-15-21-22 only	2.5 mm²	

Additional Instructions: _____

① Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used. Please ensure to check with your sales representative for hazardous location and ingress protection rating accuracy.

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Unicode™ 2 Series Customized Control Stations — Aluminum

Increased Safety

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

Aluminum Customized Control Station Specifications — Type: U8

Company Name: _____ Address: _____

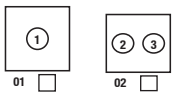
Contact: _____

Phone/Fax: _____

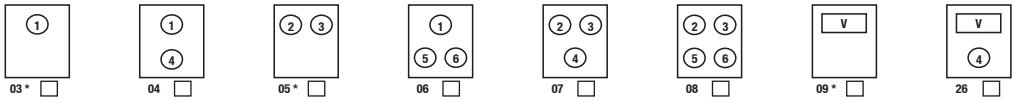
Email: _____ Project: _____

Box Definition

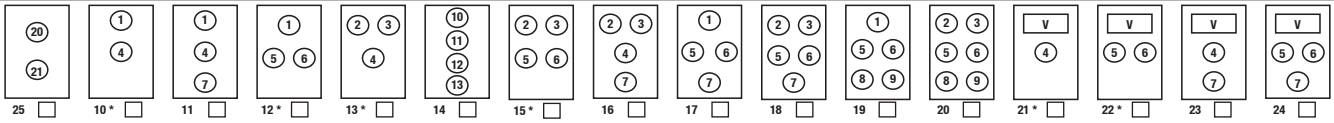
Size 1



Size 2

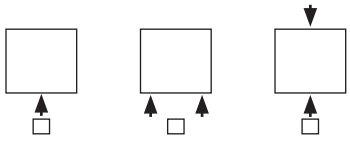


Size 3



** Terminal block available as option. (maximum: 10 x terminals 2.5 mm²)*

Entry Position



Entries — Clearance Hole

☐ M20
☐ M25
☐ 3/4" NPT (via hub)

Earth Stud — At Bottom

T5 External Earth Stud as Standard
☐ T6 Stainless Steel Earth Stud
☐ T8 Stainless Steel Earth Stud

Location

☐ A ☐ B ☐ C ☐ D ☐ A, B, C, D

Cable Glands

☐ Without
☐ Type: Quantity:

Plugs

☐ Without
☐ Type: Quantity:

Nameplate

Option	Type	Color
☐ Without ☐ With (complete Type and color)	☐ 58 x 18 mm (2.28 x 0.71") Self-Adhesive Laminated Plastic ☐ 65 x 18 mm (2.56 x 0.71") Screw On Laminated Plastic ☐ 65 x 18 mm (2.56 x 0.71") Screw On in Stainless steel *(available with black lettering only)* Text (1 line):	☐ White (black letters) ☐ Blue (white letters) ☐ Yellow (black letters) ☐ Black (white letters) ☐ Red (white letters) ☐ Green (white letters)

Functions

Position	Actuator	Contacts	Insert	Legend Plate	Guard

*** Terminal Blocks (optional)** **Type** **Quantity (10 maximum)**

Option for Box No. 03-05-09-10-12-13-15-21-22 only 2.5 mm²

Additional Instructions: _____

① *Overall hazardous location and ingress protection rating depends on the rating of the optional certified components used. Please ensure to check with your sales representative for hazardous location and ingress protection rating accuracy.*

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Unicode™ 2 Series Customized Control Stations — Polyamide

Increased Safety

ATEX/IECEx:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
Ex de IIC/Ex demb IIC/Ex tD A21
IP66 – IK09

Polyamide Customized Control Station Specifications — Type: U4

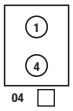
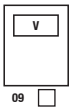
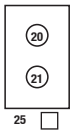
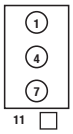
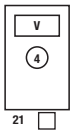
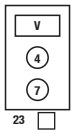
Company Name: _____ Address: _____

Contact: _____

Phone/Fax: _____

Email: _____ Project: _____

Box Definition

Size 1	Size 2			Size 3			
							
01 ☐	34 ☐	04 ☐	09 ☐	25 ☐	11 ☐	21 ☐	23 ☐

Entry Position

Entries — Clearance Hole

☐ M20

Earth Continuity Plate

☐ Brass Earth Plate

☐ Stainless Steel Earth Plate

Earth Stud — At Bottom

☐ Without

☐ T6 Stainless Steel Earth Stud (via M20 entry)

Cable Glands

☐ Without

☐ Type: Quantity:

Plugs

☐ Without

☐ Type: Quantity:

Nameplate

Option	Type	Color
☐ Without	☐ 58 x 18 mm (2.28 x 0.71") Self-Adhesive Laminated Plastic	☐ White (black letters) ☐ Blue (white letters) ☐ Yellow (black letters) ☐ Black (white letters) ☐ Red (white letters) ☐ Green (white letters)
☐ With (complete Type and color)	Text (1 line): _____	

Functions

Position	Actuator	Contacts	Insert	Legend Plate	Guard

Additional Instructions: _____

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