

Division 2 Contender™ Series Factory Sealed Control Stations

NEC/CEC:

Class I, Division 2, Groups B, C, D

Zone 2

Class II, Division 1 and 2, Groups E, F, G

Class III

NEC/CEC:

NEMA 3, 3R, 4*, 4X*, 12

IP66 ^

Applications

- For use in washdown areas and other damp, wet and highly corrosive areas.
- 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 local hazardous location.

Features

- Corrosion resistant captive stainless steel screws holds cover to body.
- Silicone gasket ensures high degree of water ingress protection.
- The Labyrinth switch used in push buttons and selector switches, is rated A600 heavy pilot duty and P150.
- Temperature rating: -25 °C to +40 °C (-13 °F to -104 °F).
- Wide variety of devices and options results in a control station tailor-made to the application.
- Improved pilot light featuring enhanced circuitry to prevent ghost voltage.
- Pilot light employs LED cluster with lifetime of 100,000 hours that can be used at either 120 Vac or 240 Vac. Optional pilot light has 12/24 Vdc ratings.
- Bodies furnished with internal ground screw and external ground lug.
- Factory sealed, no external seals required.

Standard Materials

- Backbox: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Cover: die-cast aluminum
- Screws: stainless steel
- Gasket: silicone

Standard Finishes

- Malleable iron backbox: triple coat—(1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Aluminum backbox and cover: epoxy powder coat

Options

- For aluminum mounting body, add suffix **-A**.
- UCPL pilot light. Standard color is red. Order by suffixes if color desired is other than red, as follows:
 - Green **-JGBG**
 - Amber **-JGBA**
 - Blue **-JGBB**
 - White **-JGBW**
- For Vdc pilot light, add suffix **-DC**. (Push buttons and selector switches have Vac and Vdc ratings as standard.)
- Standard momentary push button colors are listed next to catalog numbers for assembled control stations. Order by suffixes for desired color as follows:
 - Red **-PBRE**
 - Green **-PBGR**
 - Black **-PBBL**
 - Yellow **-PBYL**
 - Blue **-PBBU**



1-Gang Push Button and Pilot Light



1-Gang Selector Switch



2-Gang Push Buttons and Pilot Lights



- Push button front operated mushroom head (maintained contact). Standard color is red. Order by suffixes if color desired is other than red, as follows:
 - Green **-NMRBMGR**
 - Black **-NMRBMBL**
- Push button front operated mushroom head (momentary contact). Order by suffixes if color desired is other than black, as follows:
 - Red **-NMRBRE**
 - Green **-NMRBGR**
 - Black **-NMRBBL**
- Three position selector switches with modified operation:
 - Momentary contact right position, spring return to center, maintained contact left position add suffix **-SRC**.
 - Momentary contact left position, spring return to center, maintained contact right position add suffix **-SLC**.
 - Momentary contact left and right positions, spring return to center add suffix **-SRL** (only available on -345 with ALT option).
 - Alternate contacts add suffix **-ALT**.

NEC/CEC Certifications and Compliances

- UL Standards: UL 508, UL 698, UL 1203, UL 1604, ISA 12.12.01
- CSA Standards: C22.2 No. 14-M, C22.2 No. 213-M, C22.2 No. 25, C22.2 No. 30
- cULus Listed: E10449, E81751

▼ Product with iron backbox is NEMA 4 rated. With aluminum backbox (add suffix **-A**), product is NEMA 4X rated.

▲ When a pilot light is selected, assembly is rated IP56.

Classified by UL for use in specific combinations with Cooper Crouse-Hinds EDS covers and bodies.

Visit our website at www.emerson.com or contact us at (800) 621-1506.

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Devices

Device Descriptions	Suffix
Momentary Push Button - 1NO/NC	U1
Momentary Push Button - 2NO/NC	UD1
Maintained Push Button - 1 NO/NC	UM1
Maintained Push Button - 2 NO/NC	UDM1
Pilot Light	J1
2-POS 2-CKT Selector Switch	12
3-POS 2-CKT Selector Switch	102
2-POS 4-CKT Selector Switch	35
3-POS 4-CKT Selector Switch (Labyrinth Switch Only)	345
Close-up Plug	PLG
Blank Cover	B

Options

Options Descriptions	Suffix
Amber Pilot Light	JGBA
Green Pilot Light	JGBG
Blue Pilot Light	JGBB
White Pilot Light	JGBW
DC Rating for Pilot Light	DC
Red Mushroom Head - Momentary Push Button	NMRBRE
Green Mushroom Head - Momentary Push Button	NMRBGR
Black Mushroom Head - Momentary Push Button	NMRBBL
Black Mushroom Head - Maintained Push Button	NMRBMBL
Green Mushroom Head - Maintained Push Button	NMRBMGR
Spring Return from Right - Selector Switch (3 Position Only)	SRC
Spring Return from Left - Selector Switch (3 Position Only)	SLC
Spring Return from Right and Left - Selector Switch (3 Pos, 4 Ckt and Alt Contacts Only)	SRL
Alternate Contacts - Selector Switch	ALT
Red Momentary Push Button	PBRE
Green Momentary Push Button	PBGR

Accessories

Accessories Descriptions	Suffix
Mushroom Head Push Button Locking Guard	UCMPBLG

Nameplate Options ①

Device Descriptions	Suffix
Two Position Selection Switch Nameplates	
Forward—Reverse	UCLP-FR
Hand—Auto	UCLP-HA
On—Off	UCLP-OO
Start—Stop	UCLP-SS
Blank	UCLP-B
Three Position Selection Switch Nameplates	
Jog—Off—Auto	UCLP-JOA
Forward—Off—Reverse	UCLP-FOR
Hand—Off—Auto	UCLP-HOA
Run—Off—Jog	UCLP-ROJ
Blank	UCLP-B
Pilot Lights	
Blank	UCPLP-B
Run	UCPLP-RUN
On	UCPLP-ON
Off	UCPLP-OFF
Close	UCPLP-CLOSE
Push Buttons	
<i>(Standard, Mushroom Head and Mushroom Head Maintained)</i>	
Blank	UCLP-B
Off	UCLP-OFF
On	UCLP-ON
Forward	UCLP-FWD
Reverse	UCLP-REV
Jog	UCLP-JOG
Run	UCLP-RUN
Start	UCLP-ST
Stop	UCLP-SP
Up	UCLP-UP
Down	UCLP-DOWN
Fast	UCLP-FAST
Slow	UCLP-SLOW
Raise	UCLP-RAISE
Lower	UCLP-LOWER
Open	UCLP-OPEN
Close	UCLP-CLOSE
Low	UCLP-LOW
High	UCLP-HIGH
Test	UCLP-TEST
Rest	UCLP-RESET
Emergency Stop	UCLP-ESTP

① Custom nameplates are available. Contact your local sales representative for details.

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▲ When a pilot light is selected, assembly is rated IP56.

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Standard Legend Plates

Description	Catalog Number	Description	Catalog Number
Two Position Selector Switch			
Forward—Reverse	UCLP-FR	Run—Jog	UCLP-RG
Hand—Auto	UCLP-HA	Off—Remote	UCLP-OR
On—Off	UCLP-OO	Auto—Hand	UCLP-AH
Start—Stop	UCLP-SS	Auto—Off	UCLP-AO
Local—Remote	UCLP-LR	Off—Auto	UCLP-OA
Up—Down	UCLP-UD	Blank	UCLP-B
Three Position Selector Switch			
Reverse—Off—Forward	UCLP-ROF	Hand—Off—Remote	UCLP-HOR
Forward—Off—Reverse	UCLP-FOR	Local—Off—Remote	UCLP-LOR
Hand—Off—Auto	UCLP-HOA	Remote—Off—Local	UCLP-ROL
Auto—Off—Hand	UCLP-AOH	Auto—Off—Manual	UCLP-AOM
Jog—Off—Run	UCLP-JOR	Open—Off—Close	UCLP-OOC
Run—Off—Jog	UCLP-ROJ	Test—Off—On	UCLP-TOO
Off—Run—Start	UCLP-ORS	1—Off—2	UCLP-1O2
Stop—Run—Start	UCLP-SRS	Blank	UCLP-B
Jog—Off—Auto	UCLP-JOA		
Push Buttons (Standard, Momentary and Maintained Mushroom Heads)			
Blank	UCLP-B	Fast	UCLP-FAST
Off	UCLP-OFF	Slow	UCLP-SLOW
On	UCLP-ON	Raise	UCLP-RAISE
Forward	UCLP-FWD	Lower	UCLP-LOWER
Reverse	UCLP-REV	Open	UCLP-OPEN
Jog	UCLP-JOG	Close	UCLP-CLOSE
Run	UCLP-RUN	Low	UCLP-LOW
Start	UCLP-ST	High	UCLP-HIGH
Stop	UCLP-SP	Test	UCLP-TEST
Up	UCLP-UP	Reset	UCLP-RESET
Down	UCLP-DOWN		
Pilot Lights			
Blank	UCPLP-B	On	UCPLP-ON
Run	UCPLP-RUN	Off	UCPLP-OFF



APPLETON™

CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES

① Standard legend plate markings listed above.