

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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APPLETON™

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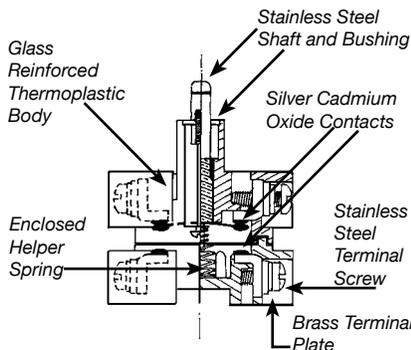
Zone 2

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

Class III

Description		Catalog Number
Actuators Without Contact Blocks for Selector Switches — Supplied with blank nameplates		
	2 Position Selector Switch	UCSS2
	3 Position Selector Switch	UCSS3
	3 Position Selector Switch - Spring Return From Right	UCSS3SRC
	3 Position Selector Switch - Spring Return From Left	UCSS3SLC
	3 Position Selector Switch - Alternate Contacts	UCSSA3
	3 Position Selector Switch - Alternate Contacts Spring - Return From Right	UCSSA3SRC
	3 Position Selector Switch - Alternate Contacts Spring - Return From Left	UCSSA3SLC
	3 Position Selector Switch - Alternate Contacts Spring - Return From Right and Left	UCSSA3SRL
Actuators Without Contact Blocks For Push Buttons — Supplied with blank nameplates		
	Momentary Actuator Push Button - Black	UCPBBL
	Momentary Actuator Push Button - Red	UCPBRE
	Momentary Actuator Push Button - Green	UCPBGR
	Momentary Actuator Push Button - Blue	UCPBBU
	Momentary Actuator Push Button - Yellow	UCPBYL
	Maintained Mushroom Head for Push Button - Black	UCPMBL
	Maintained Mushroom Head for Push Button - Red	UCPBMRE
	Maintained Mushroom Head for Push Button - Green	UCPBMGR
	Momentary Mushroom Head for Push Button - Black	UCPBMYBL
	Momentary Mushroom Head for Push Button - Red	UCPBMYRE
	Momentary Mushroom Head for Push Button - Green	UCPBMYGR
Contact Block		
	Labyrinth Switch	LAB1
	The standard labyrinth switch is available with universal contacts (1 NO/1 NC). The switch is a UL recognized component and is rated for A600 heavy pilot duty (AC) and P150 (DC) as defined by UL 508. Hazardous location ratings include Class I, Division 2, Groups B, C, D. Wire Range: #14 to #12 AWG	

Rating Designation



	A600	P150
	10 Amp Continuous @ 600 Vac	5 Amp Continuous @ 125 Vdc
	7200VA (Make) 720VA (Break)	138VA @ 300 Vdc 1.1 Amp @ 125 Vdc
	Make Amp	Break Amp
120 Vac	60	6
240 Vac	30	3
480 Vac	15	1.5
600 Vac	12	2

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