

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.

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NEC/CEC:

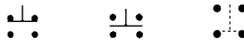
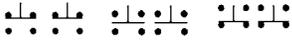
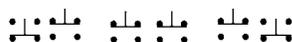
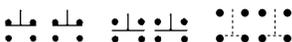
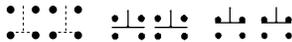
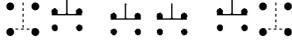
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Zone 2

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

Class III

Selector Switch

	Description	Diagram	Catalog Number
 2 Position, 2 Circuit	2 Position, 2 Circuit, Maintain Contact Left Position, Maintain Contact Right Position On/Off nameplate		UCSS12
	2 Position, 4 Circuit, Maintain Contact Left Position, Maintain Contact Right Position On/Off nameplate		UCSS22
 2 Position, 4 Circuit	3 Position, 2 Circuit, Maintain Contact Left Position, Maintain Contact Right Position Hand-Off-Auto nameplate		UCSS13
	3 Position, 2 Circuit, Momentary Contact Right Position, Spring Return to Center, Maintain Contact Left Position		UCSS13SRC
 2 Position, 4 Circuit	3 Position, 2 Circuit, Momentary Contact Left Position, Spring Return to Center, Maintain Contact Right Position		UCSS13SLC
	3 Position, 4 Circuit Maintain Contact Left Position Maintain Contact Right Position		UCSS23
 3 Position, 2 Circuit	3 Position, 4 Circuit, Alternate Contacts Maintain Contact Left Position Maintain Contact Right Position		UCSSA23
	3 Position, 4 Circuit Momentary Contact Right Position Spring Return to Center Maintain Contact Left Position		UCSS23SRC
 3 Position, 4 Circuit	3 Position, 4 Circuit, Alternate Contacts, Momentary Contact Right Position, Spring Return to Center, Maintain Contact Left Position		UCSSA23SRC
	3 Position, 4 Circuit, Momentary Contact Left Position, Spring Return to Center, Maintain Contact Right Position		UCSS23SLC
	3 Position, 4 Circuit, Alternate Contacts, Momentary Contact Left Position; Spring Return to Center, Maintain Contact Right Position		UCSSA23SLC
	3 Position, 4 Circuit, Alternate Contacts, Momentary Contact Left Position, Spring Return to Center, Momentary Contact Right Position		UCSSA23SRL

APPLETON™

CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES