

# 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.
- 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. Order by suffixes if color desired is other than red, as follows:
  - Green **-JGBG**
  - Amber **-JGBA**
  - Blue **-JGBB**
- 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**
- Push button front operated mushroom head (maintained contact). Order by suffixes if color desired is other than red, as follows:
  - Green **-NMRBMGR**
  - Black **-NMRBMBL**

▼ 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.



1-Gang Push Button and Pilot Light



1-Gang Selector Switch



2-Gang Push Buttons and Pilot Lights



- 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

Appleton

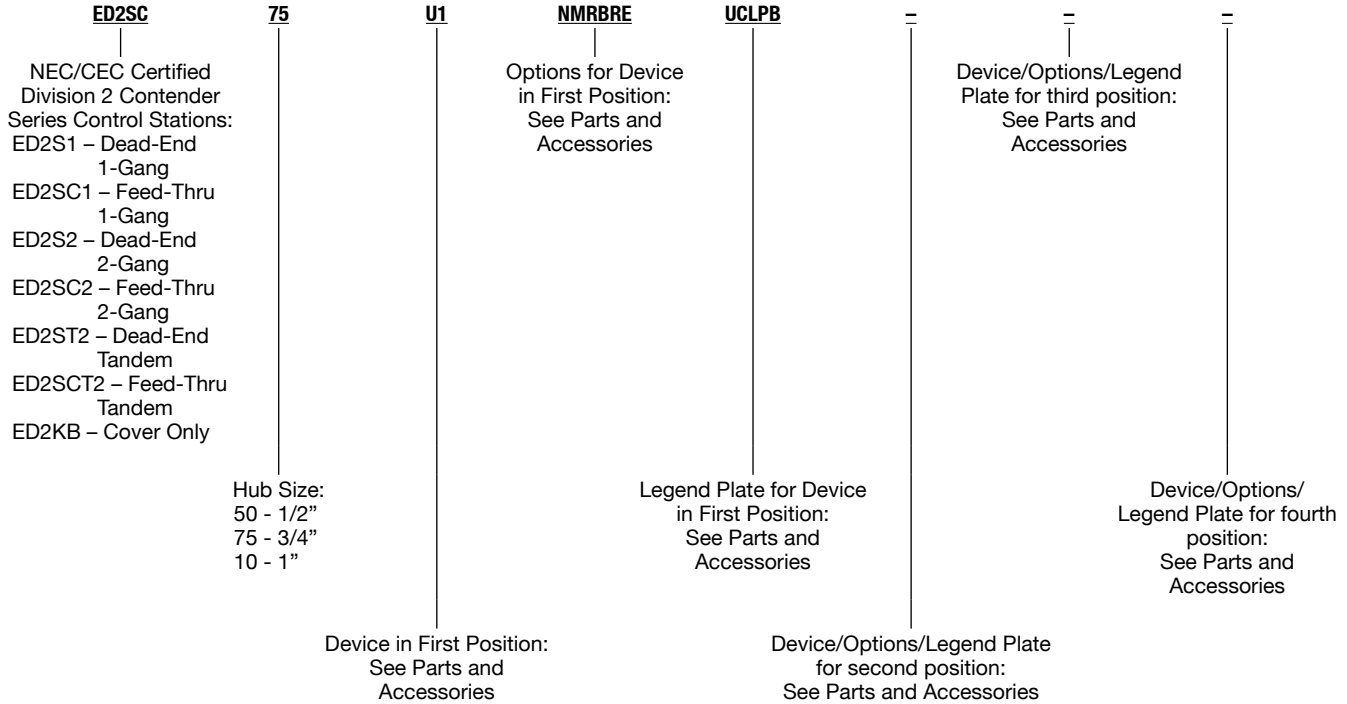
CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES

# 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 ^

## Catalog Numbering Guide



CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES

▼ 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.

# 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 ^




Devices		Nameplate Options ①	
Device Descriptions	Suffix	Device Descriptions	Suffix
Momentary Push Button - 1NO/NC	<b>U1</b>	<b>Two Position Selection Switch Nameplates</b>	
Momentary Push Button - 2NO/NC	<b>UD1</b>	Forward—Reverse	<b>UCLP-FR</b>
Maintained Push Button - 1 NO/NC	<b>UM1</b>	Hand—Auto	<b>UCLP-HA</b>
Maintained Push Button - 2 NO/NC	<b>UDM1</b>	On—Off	<b>UCLP-OO</b>
Pilot Light	<b>J1</b>	Start—Stop	<b>UCLP-SS</b>
2-POS 2-CKT Selector Switch	<b>12</b>	Blank	<b>UCLP-B</b>
3-POS 2-CKT Selector Switch	<b>102</b>	<b>Three Position Selection Switch Nameplates</b>	
2-POS 4-CKT Selector Switch	<b>35</b>	Forward—Off—Reverse	<b>UCLP-FOR</b>
3-POS 4-CKT Selector Switch (Labyrinth Switch Only)	<b>345</b>	Hand—Off—Auto	<b>UCLP-HOA</b>
Close-up Plug	<b>PLG</b>	Run—Off—Jog	<b>UCLP-ROJ</b>
Blank Cover	<b>B</b>	Blank	<b>UCLP-B</b>
<b>Options</b>		<b>Pilot Lights</b>	
Options Descriptions	Suffix	Blank	<b>UCPLP-B</b>
Amber Pilot Light	<b>JGBA</b>	Run	<b>UCPLP-RUN</b>
Green Pilot Light	<b>JGBG</b>	On	<b>UCPLP-ON</b>
Blue Pilot Light	<b>JGBB</b>	Off	<b>UCPLP-OFF</b>
DC Rating for Pilot Light	<b>DC</b>	Close	<b>UCPLP-CLOSE</b>
Red Mushroom Head - Momentary Push Button	<b>NMRBRE</b>	<b>Push Buttons</b>	
Green Mushroom Head - Momentary Push Button	<b>NMRBGR</b>	<i>(Standard, Mushroom Head and Mushroom Head Maintained)</i>	
Black Mushroom Head - Momentary Push Button	<b>NMRBBL</b>	Blank	<b>UCLP-B</b>
Black Mushroom Head - Maintained Push Button	<b>NMRBMBL</b>	Off	<b>UCLP-OFF</b>
Green Mushroom Head - Maintained Push Button	<b>NMRBMGR</b>	On	<b>UCLP-ON</b>
Spring Return from Right - Selector Switch (3 Position Only)	<b>SRC</b>	Forward	<b>UCLP-FWD</b>
Spring Return from Left - Selector Switch (3 Position Only)	<b>SLC</b>	Reverse	<b>UCLP-REV</b>
Spring Return from Right and Left - Selector Switch (3 Pos, 4 Ckt and Alt Contacts Only)	<b>SRL</b>	Jog	<b>UCLP-JOG</b>
Alternate Contacts - Selector Switch	<b>ALT</b>	Run	<b>UCLP-RUN</b>
Red Momentary Push Button	<b>PBRE</b>	Start	<b>UCLP-ST</b>
Green Momentary Push Button	<b>PBGR</b>	Stop	<b>UCLP-SP</b>
<b>Accessories</b>		Up	<b>UCLP-UP</b>
Accessories Descriptions	Suffix	Down	<b>UCLP-DOWN</b>
Mushroom Head Push Button Locking Guard	<b>UCMPBLG</b>	Fast	<b>UCLP-FAST</b>
		Slow	<b>UCLP-SLOW</b>
		Raise	<b>UCLP-RAISE</b>
		Lower	<b>UCLP-LOWER</b>
		Open	<b>UCLP-OPEN</b>
		Close	<b>UCLP-CLOSE</b>
		Low	<b>UCLP-LOW</b>
		High	<b>UCLP-HIGH</b>
		Test	<b>UCLP-TEST</b>
		Rest	<b>UCLP-RESET</b>
		Emergency Stop	<b>UCLP-ESTP</b>

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

# Division 2 Contender™ Series Factory Sealed Control Stations

Bodies Furnished with Internal Ground Screw.

**NEC:**  
 Class I, Division 1, Groups C, D  
 Class I, Division 2, Group B, C, D  
 Class II, Division 1 and 2, Groups E, F, G  
 Class III

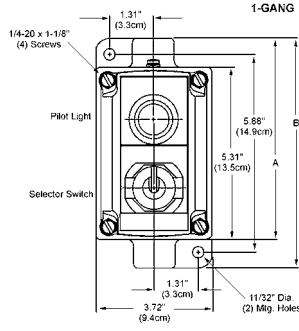
	Type	Hub Size (Inches)	Catalog Number	
			Malleable Iron	Aluminum
<b>1-Gang</b>				
	Dead-End	1/2	<b>EDS171</b>	<b>EDS171-SA</b>
		3/4	<b>EDS271</b>	<b>EDS271-SA</b>
		1	<b>EDS371</b>	<b>EDS371-SA</b>
	Feed-Thru	1/2	<b>EDSC171</b>	<b>EDSC171-SA</b>
		3/4	<b>EDSC271</b>	<b>EDSC271-SA</b>
		1	<b>EDSC371</b>	<b>EDSC371-SA</b>
<b>2-Gang</b>				
	Dead-End	1/2	<b>EDS172</b>	<b>EDS172-SA</b>
		3/4	<b>EDS272</b>	<b>EDS272-SA</b>
		1	<b>EDS372</b>	<b>EDS372-SA</b>
	Feed-Thru	1/2	<b>EDSC172</b>	<b>EDSC172-SA</b>
		3/4	<b>EDSC272</b>	<b>EDSC272-SA</b>
		1	<b>EDSC372</b>	<b>EDSC372-SA</b>
<b>Tandem ①</b>				
	Dead-End	1/2	<b>EDS177</b>	<b>EDS177-SA</b>
		3/4	<b>EDS277</b>	<b>EDS277-SA</b>
		1	<b>EDS377</b>	<b>EDS377-SA</b>
	Feed-Thru	1/2	<b>EDSC177</b>	<b>EDSC177-SA</b>
		3/4	<b>EDSC277</b>	<b>EDSC277-SA</b>
		1	<b>EDSC377</b>	<b>EDSC377-SA</b>

① For tandem bodies, external seals must be installed within 1.5 meters (5 feet) of each conduit entrance for Class I, Groups C and D.  
 ▼ 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.

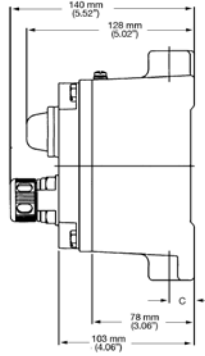
# Division 2 Contender™ Series Factory Sealed Control Stations

NEC/CEC:  
 Class I, Division 2, Groups B, C, D  
 Zone 2  
 Class II, Division 1 and 2, Groups E, F, G  
 Class III

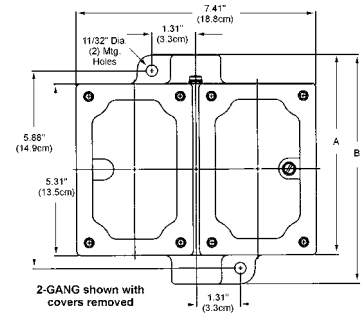
## Dimensions in Millimeters (Inches)



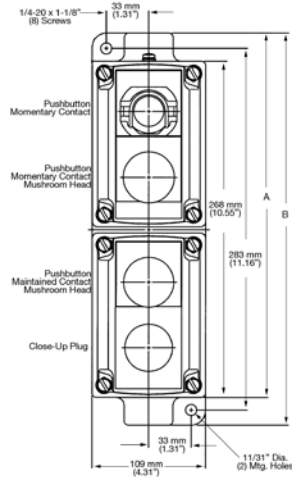
1-Gang Front View



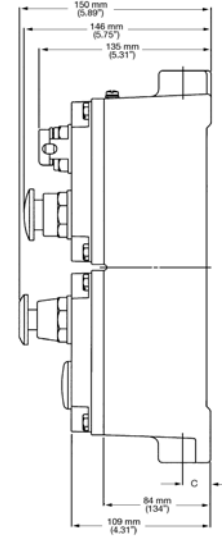
1- and 2-Gang Side View



2-Gang Front View



Tandem Front View



Tandem Side View

Inlet Type	Hub Size (Inches)	Dimensions in Millimeters (Inches)		
		A	B	C
1-Gang	1/2	153.9 (6.06)	173.0 (6.81)	19.1 (0.75)
	3/4	153.9 (6.06)	173.0 (6.81)	22.4 (0.88)
	1	156.7 (6.17)	179.6 (7.03)	25.4 (1.00)
2-Gang	1/2 and 3/4	153.9 (6.06)	173.0 (6.81)	22.4 (0.88)
	1	156.7 (6.17)	179.6 (7.03)	25.4 (1.00)
Tandem	1/2 and 3/4	287.3 (11.31)	309.1 (12.09)	22.4 (0.88)
	1	290.6 (11.44)	312.7 (12.31)	25.4 (1.00)