

# Contender™ Series Factory Sealed Control Stations and Pilot Lights

## Explosionproof, Dust-Ignitionproof

Furnished with Internal Ground Screw.

### NEC/CEC:

Class I, Division 1, Groups C, D  
Class I, Division 2, Groups B, C, D  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
NEMA 3, 7CD, 9EFG

### Applications

- Push buttons and selector switches are used in conjunction with contactors or magnetic starters for remote control of motors. They provide circuit control and/or selection.
- Pilot lights provide visual assurance that an electrical function is being performed at a remote or local location.
- Confine arcing of device within the enclosure, preventing ignition of ignitable atmospheres during control operation of motors and other equipment.
- Used in classified areas where flammable vapors, gasses or highly combustible dusts are present.
- For installation in:
  - Chemical plants
  - Petrochemical plants
  - Refineries
  - Other process industries
  - Where corrosive elements are present

### Features

- Covers are UL Listed when used on Contender bodies.
- Finish is epoxy powder coat for enhanced corrosion resistance.
- Large backbox for ample wiring room.
- Ground screw installed in bodies for ground continuity.
- Corrosion resistant stainless steel hex head captive screws hold covers to body.
- Factory sealed enclosure eliminates need for adding sealing fittings and compound at each conduit entrance.
- Heavy duty, 10 Amp, 600 Vac.
- Factory sealed pilot lights supplied with jewel/guard assembly and 120 Vac/Vdc, 50/60 Hz, 6 Watt lamp (LED provided as option).
- Dozens of possible combinations of push buttons, pilot lights and selector switches.
- Accurately tapped, tapered hubs for tight rigid joints and ground continuity.
- Stainless steel push button shaft operates within stainless steel bushing assuring long, maintenance free operation.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Push button and selector switch contacts are silver cadmium oxide which are "sealed" in lower phenolic chamber isolated from corrosive elements. Assures positive contact and long, trouble free operation.
- Enclosed stainless steel helper spring prevents accidental operation of push button in severe vibration installations.
- All momentary push buttons are supplied with lockout type guards as standard. Hole in guard will accept locks with up to 1/4" hasp. Permits locking of push button to prevent unauthorized operation.
- Clearly marked terminals with brass screws and spade terminals assure quick, easy wiring.

### Standard Materials

- Control station body and cover: malleable iron
- SPBB push button: copperfree (4/10 of 1% max.) aluminum upper barrel and phenolic lower barrel with nylon plastic button
- SPBB dust cap push button: neoprene buttons
- SPLS pilot light: copperfree (4/10 of 1% max.) aluminum guard and body assembly; steel clamping ring; and tempered glass jewel



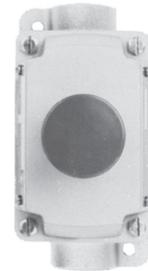
Push Button



Combination Push Button and Pilot Light



Rocker Arm Push Button



Maintained Push Button



Pilot Light



Selector Switch

- SSBA selector switch: copperfree (4/10 of 1% max.) aluminum operator mechanism, nylon cam, and sealed phenolic contact block

### Standard Finishes

- Control station body: triple coat—(1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- SPBB push button, SPLS pilot light and SSBA selector switch: natural finish

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

# Contender™ Series Factory Sealed Control Stations and Pilot Lights

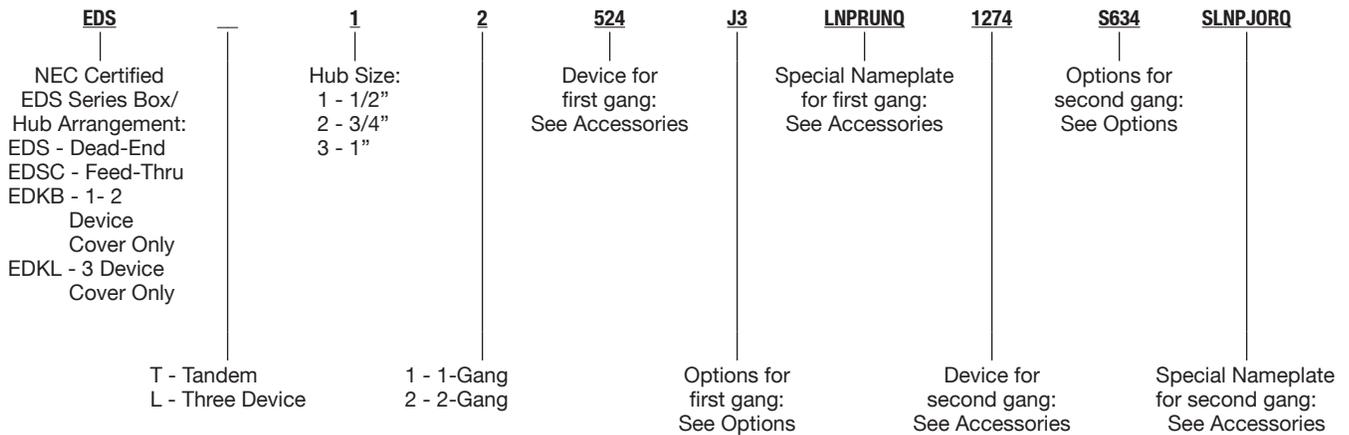
## Explosionproof, Dust-Ignitionproof

UNILETS™ for use with Threaded Metal Conduit. Furnished with Internal Ground Screw.

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### Catalog Numbering Guide



Full Catalog Number: EDSC12-524-J3-LNPUPQ-1274-S634-SLNPJORQ

Feed-Thru 2-Gang Box with 1/2" Hub:

In Gang #1: One Pilot Light with UP Nameplate

In Gang #2: One 3-Position, 4-Circuit Spring Return from the right Selector Switch with JOG-OFF-RUN Nameplate.

### Options

Description	Suffix
Momentary Push Button Securing Rod	S153
Selector Switch Lockout	S349
Spring Return From Right Selector Switch (3 Positions Only)	S634
Spring Return From Left Selector Switch (3 Positions Only)	S635
Spring Return From Right Selector Switch With Alternate Contacts (3 Positions Only)	S636
Change One Red Lens to Green Lens	J3
Change One Red Lens to Opal Lens	J8
Change One Red Lens to Amber Lens	J6
Change One Red Lens to Blue Lens	J11
Change One Red Lens to Clear Lens	J10
Add 220/120 Vac Transformer (J1 Device Only)	S801
Add 277/120 Vac Transformer (J1 Device Only)	S802
Add 440/120 Vac Transformer (J1 Device Only)	S803
Add 550/120 Vac Transformer (J1 Device Only)	S804
Change One Red Pilot to Red LED	LED1
Change One Red Lens to Green LED	LED3
Change One Red Lens to Amber LED	LED6
Add Red Mushroom Head to Momentary Push Button	S805
Add Black Mushroom Head to Momentary Push Button	S806
Add Green Mushroom Head to Momentary Push Button	S807
Locking Guard for Maintained Push Button	S808

**APPLETON™**

CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES

# Contender™ Series Factory Sealed Control Stations and Pilot Lights

Push Button. With Rocker Arm Handle. Explosionproof, Dust-Ignitionproof

10 Amp, 600 Vac Max. for Heavy Duty Use Momentary Contact. Furnished with Internal Ground Screw.

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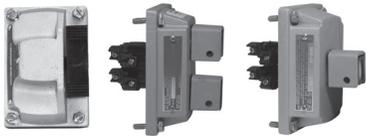
**Rocker Arm Handle**

		Hub Size (Inches)	Description	Contact Arrangement	Nameplate Marking	Catalog Number ①	
						Dead-End	Feed-Thru
<b>1-Gang — Malleable Iron Body and Cover ②</b>							
	<b>1 Circuit</b>	1/2	1 Circuit Universal		Specify	EDS1596	EDSC1596
		3/4				EDS2596	EDSC2596
		1				EDS3596	EDSC3596
	<b>2 Circuits</b>	1/2	2 Circuits Universal		Specify	EDS1194	EDSC1194
		3/4				EDS2194	EDSC2194
		1				EDS3194	EDSC3194
<b>2-Gang — Malleable Iron Body and Cover ②</b>							
	<b>2 Circuits</b>	1/2	2 Circuits Universal		Specify	—	EDSC1696
		3/4				EDS2696	EDSC2696
		1				EDS3696	EDSC3696
	<b>4 Circuits</b>	1/2	4 Circuits Universal		Specify	—	EDSC1294
		3/4				EDS2294	EDSC2294
		1				EDS3294	EDSC3294

**Single Push Button**

		Hub Size (Inches)	Description	Contact Arrangement	Catalog Number ①	
					Dead-End	Feed-Thru
<b>1-Gang</b>						
	<b>Nameplate: Start/Stop Momentary</b>	1/2	2 Circuits Universal Momentary		EDS1192	EDSC1192
		3/4			EDS2192	EDSC2192
		1			EDS3192	EDSC3192
	<b>Nameplate: Emergency Stop Maintained Mushroom Head</b>	1/2	2 Circuits Universal Red Maintained		EDS1192UM1	EDSC1192UM1
		3/4			EDS2192UM1	EDSC2192UM1
		1			EDS3192UM1	EDSC3192UM1

**Cover Assemblies ②**

		Description	Contact Arrangement	Nameplate Marking	Catalog Number Cover With Device
	<b>EDKB-RU2    EDKB-U2L    EDKB-DPB</b>	1 Circuit Universal		Specify	EDKB-RU1
		2 Circuits Universal		Specify	EDKB-RU2
		1 Circuit Universal		Specify	EDKB-U1L
		1 Circuit Universal		Specify	EDKB-UM1L
		2 Circuits Universal		Specify	EDKB-U2L
		2 Circuit Universal		Specify	EDKB-DPB
		2 Circuits Universal (Maintained)		Specify	EDKB-DPBM

① Malleable Iron Body and Cover. For Aluminum Body and Cover, add suffix - SA.

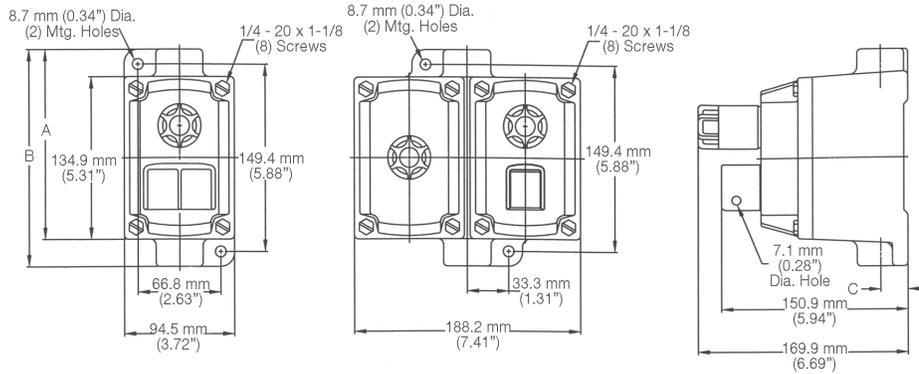
② For Aluminum Cover only, add suffix - A.

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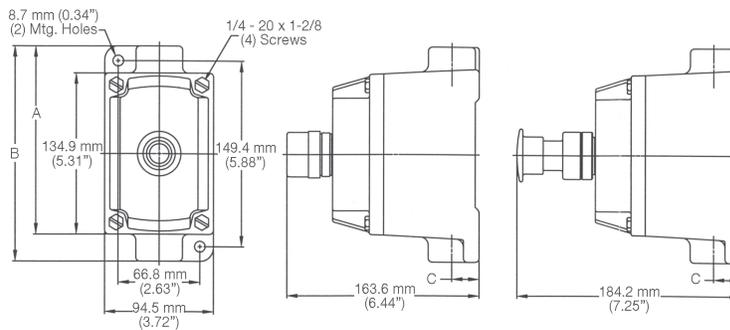
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## Dimensions in Millimeters (Inches)

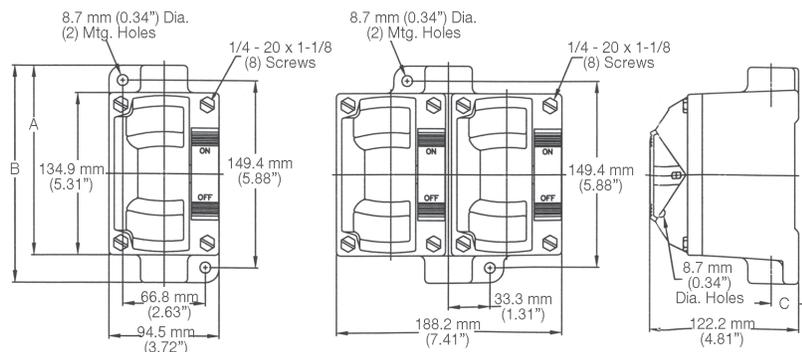
### 1- and 2-Gang Combination Pilot Light and Push Button



### 1-Gang Dust Cap Push Button and Maintained Push Button



### 1- and 2-Gang Rocker Arm Push Button



Unilet 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)	165.4 (6.51)	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)	165.4 (6.51)	22.4 (0.88)
	1	156.7 (6.17)	179.6 (7.03)	25.4 (1.00)