

Contender® Series Factory Sealed Control Stations and Pilot Lights

Explosionproof, Dust-Ignitionproof

Furnished with Internal Ground Screw.

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 front operated 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 Selector Switches


Explosionproof, Dust-Ignitionproof

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


Class I, Division 1, Groups C, D
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Controls

CONTROLS: HAZARDOUS LOCATION CONTROL STATIONS AND SWITCHES

Selector Switches	Hub Size (Inches)	Description	Diagram			Catalog Number	
			Left	Center	Right	Dead-End	Feed-Thru
2 Position Selector Switches — 1-Gang † — Maintained Contact							
	1/2	2 Position, 2 Circuit		None		EDS11271	EDSC11271
	3/4		EDS21271			EDSC21271	
	1		EDS31271			EDSC31271	
	1/2	2 Position, 4 Circuits		None		EDS11272	EDSC11272
	3/4		EDS21272			EDSC21272	
	1		EDS31272			EDSC31272	

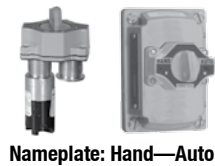
Nameplate: Hand—Auto

3 Position Selector Switches — 1-Gang † — Maintained Contact							
	1/2	3 Position, 2 Circuit				EDS11273	EDSC11273
	3/4		EDS21273			EDSC21273	
	1		EDS31273			EDSC31273	
	1/2	3 Position, 4 Circuits				EDS11274	EDSC11274
	3/4		EDS21274			EDSC21274	
	1		EDS31274			EDSC31274	

Nameplate: Hand—Off—Auto

	Thread Size (In., NPSM)	Description	Diagram			Switch Catalog Number	
			Left	Center	Right	Assembly Only	Assembly w/ Cover

EDKB Selector Switch Operator/Switch Assembly † — Maintained Contact



Nameplate: Hand—Auto



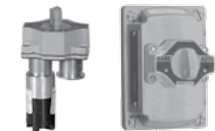
Nameplate: Hand—Off—Auto

2 Position							
1/2	2 Position, 2 Circuit		None		SSBA1-2Q	EDKB-12	
1/2	2 Position, 4 Circuits		None		SSBA2-2Q	EDKB-35	
3 Position							
1/2	3 Position, 2 Circuit				SSBA1-3Q	EDKB-102	
1/2	3 Position, 4 Circuit				SSBA2-3Q	EDKB-345	

EDKB Selector Switch Operator/Switch Assembly ‡ — Modified Operations — 3 Position

Momentary contact right position. Spring return to center. Maintained contact left position.

Note: Standard legend plate reads Hand/Off/Auto



2 Circuit

1/2	3 Position, 2 Circuit				SSBAS-1-3	EDKB-102-S634
1/2	3 Position, 4 Circuits				SSBAS-2-3	EDKB-345-S634

Momentary contact left position. Spring return to center. Maintained contact right position.

Note: Standard legend plate reads Hand/Off/Auto



4 Circuit

1/2	3 Position, 2 Circuit				SSBASL-1-3	EDKB-102-S635
1/2	3 Position, 4 Circuits				SSBASL-2-3	EDKB-345-S635

Momentary contact right position. Spring return to center. Maintained contact left position.

Note: Standard legend plate reads Hand/Off/Auto

1/2	3 Position, 4 Circuits				SSBASRA-2-3	EDKB-345-S636
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† Malleable Iron Body and Cover. For Aluminum Body and Cover, add suffix - SA.

‡ For Aluminum Cover only, add suffix - A.

◇ Supplied as standard with maintained contact selector switches. Specify catalog number from nameplate listings if other than standard nameplate is desired.