

# 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.

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

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### Options

- 1- or 2-gang boxes:
  - For aluminum cover only, add suffix - **A**.
  - For aluminum body and cover, add suffix - **SA**.
- Three position selector switches with modified operation:
  - Momentary contact right position, spring return to center; maintained contact left position. Add suffix - **S634**.
  - Momentary contact left position, spring return to center; maintained contact right position. Add suffix - **S635**.
  - Momentary contact right position, spring return to center; maintained contact left position; alternate contacts. Add suffix - **S636**.
- Selector switch lockout locks two or three position handle in any position. Add suffix - **S349**.
- Momentary push button securing rod, add suffix - **S153**.
- Pilot light jewel/guard assembly. Order by suffixes if color desired is other than red:
  - Amber- **J6**
  - Opal- **J8**
  - Clear - **J10**
  - Blue- **J11**
  - Green- **J3**
- Bodies and covers (1- or 2-gang) in copperfree (4/10 of 1% max.) aluminum. Add suffix - **SA**.
- Securing rod for push button lockout guard, add suffix- **S153**.
- LED pilot lights are available in lieu of incandescent pilot lights. Order by suffixes for desired color as follows:
  - Red- **LED1**
  - Green- **LED3**
  - Amber- **LED6**

### Certifications and Compliances

- UL Standards: UL 508, UL 698, UL 1203,
- UL Listed: E10449, E81751

### Related Products

- For Division 1, Group B applications, refer to *Appleton EFDB Series*.

### Illustrated Features

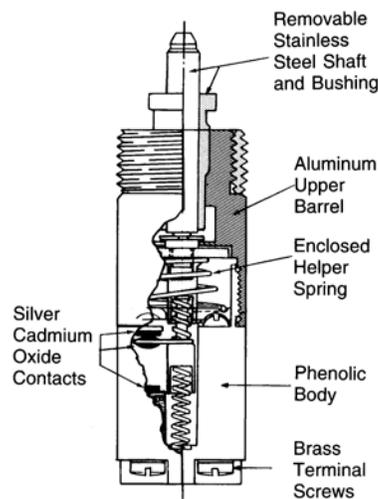


Securing Rod for Push Button Lockout Guard – available as optional item. Lockout Guard furnished as standard with the Push Button, may also be padlocked. Suffix- **S153**.

SPBB factory sealed push button — standard type and unit with dust cap.



### SPBB Design Features



# Contender® Series Replacement Parts and Accessories

Class I, Division 1, Groups C, D  
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 Class II, Division 1 and 2, Groups E, F, G  
 Class III

Controls

CONTROLS: HAZARDOUS LOCATION CONTROL STATIONS AND SWITCHES

Description	Catalog Number
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## Mushroom Head Push Button



**For Use with Mushroom Head Button — Maintained Contact — Solid-Colored Nonmetallic**

Red **NMRBM-RE**



**MNPESTPQ**

**Nameplates For Mushroom Head Push Button For Momentary and Maintained**

Start	<b>MNPSTQ</b>
Stop	<b>MNPS PQ</b>
Emergency Stop	<b>MNPESTPQ</b>
Blank	<b>MNPBQ</b>

## Pilot Light — Factory Sealed



**Pilot Light**



**Chamber Only**

### Incandescent

*Furnished with 6S6 120 Vac incandescent lamp, jewel and guard. Has 18" long, type SFF-2 (302 °F/150 °C) pigtail leads. Body has 3/4" straight thread (NPSM).*

With Red Jewel	<b>SPLSREB</b>
With Green Jewel	<b>SPLSGRB</b>
With Amber Jewel	<b>SPLSAMB</b>
With Blue Jewel	<b>SPLSBLB</b>
With Clear Jewel	<b>SPLSCLB</b>
With Opal Jewel	<b>SPLSOPB</b>

### LED

*Furnished with candelabra base 120 Vac LED, jewel and guard. Has 18" long, type SFF-2 (302 °F/150 °C) pigtail leads. Body has 3/4" straight thread (NPSM).*

With Red LED, Clear Jewel	<b>SPLNSREB</b>
With Green LED, Clear Jewel	<b>SPLNSGRB</b>
With Amber LED, Clear Jewel	<b>SPLNSAMB</b>

**Chamber Only** (Same as above, less jewel, guard and lamp) **SPLSSCB**

## Pilot Light Jewel/Guard Assembly

*The below catalog numbers indicate an assembly of the Pilot Light Jewels and Guards. Jewels and Guards are not available as separate items.*



Amber Jewel/Guard	<b>JGBNA</b>
Blue Jewel/Guard	<b>JGBNB</b>
Clear Jewel/Guard	<b>JGBNC</b>
Green Jewel/Guard	<b>JGBNG</b>
Opal Jewel/Guard	<b>JGBNO</b>
Red Jewel/Guard	<b>JGBNR</b>

## Replacement Bulbs

### Clear Bulbs

Furnished with candelabra base. 6 Watt, 120 Vac Type 6S6 **EPL-B6W**

### LED Replacements

*Furnished with candelabra base. 120 Vac, 10 mA*

Red LED	<b>EPLLEDR</b>
Green LED	<b>EPLLEDG</b>
Amber LED	<b>EPLLEDA</b>



**EPL-B6W**



**EPLLEDR**