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.

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Replacement Parts and Accessories

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

	Description	Catalog Number
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	**MNPSTQ**
	Stop	**MNPSPQ**
	Emergency Stop	**MNPESTPQ**
	Blank	**MNPBQ**
Pilot Light — Factory Sealed		
	Incandescent	
	Furnished with 6S6 120 Vac incandescent lamp, jewel and guard. Has 457 mm (18") long, type SFF-2 pigtail leads; +150 °C (+302 °F). Body has 3/4" straight thread (NPSM)	
	With Red Jewel	**SPLSREB**
	With Green Jewel	**SPLSGRB**
	With Amber Jewel	**SPLSAMB**
	With Blue Jewel	**SPLSBLB**
	With Clear Jewel	**SPLSCLB**
	With Opal Jewel	**SPLSOPB**
	LED	
	Furnished with candelabra base 120 Vac LED, jewel and guard. Has 457 mm (18") long, type SFF-2 pigtail leads; +150 °C (+302 °F). Body has 3/4" straight thread (NPSM).	
	With Red LED, Clear Jewel	**SPLNSREB**
	With Green LED, Clear Jewel	**SPLNSGRB**
 **Pilot Light**  **Chamber Only**	With Amber LED, Clear Jewel	**SPLNSAMB**
	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	**JGBNA**
	Blue Jewel/Guard	**JGBNB**
	Clear Jewel/Guard	**JGBNC**
	Green Jewel/Guard	**JGBNG**
	Opal Jewel/Guard	**JGBNO**
	Red Jewel/Guard	**JGBNR**
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	
 **EPL–B6W**  **EPLLEDR**	Red LED	**EPLLEDR**
	Green LED	**EPLLEDG**
	Amber LED	**EPLLEDA**

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