

Division 2 Contender® Series Factory Sealed Control Stations and Pilot Lights

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



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**.

Certifications and Compliances

- US Standards: UL 508, UL 698, UL 1203, UL 1604, ISA 12.12.01, UL
- CSA Standards: C22.2 No. 14-M, C22.2 No. 213-M, C22.2 No. 25, C22.2 No. 30,
- cULus Listed: E10449, E81751

▼ 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.

Division 2 Contender® Series Factory Sealed Push Buttons and Pilot Lights

Component Parts

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

Description		Catalog Number
Assembled Push Buttons — Supplied with blank nameplates		
	Momentary Black - One Labyrinth Switch	UCPB1BL
	Momentary Black - Two Labyrinth Switches	UCPB2BL
	Momentary Red - One Labyrinth Switch	UCPB1RE
	Momentary Red - Two Labyrinth Switches	UCPB2RE
	Momentary Green - One Labyrinth Switch	UCPB1GR
	Momentary Green - Two Labyrinth Switches	UCPB2GR
	Momentary Yellow - One Labyrinth Switch	UCPB1YL
	Momentary Yellow - Two Labyrinth Switches	UCPB2YL
	Momentary Blue - One Labyrinth Switch	UCPB1BU
	Momentary Blue - Two Labyrinth Switches	UCPB2BU
	Maintained Black - One Labyrinth Switch	UCPBM1BL
	Maintained Black - Two Labyrinth Switches	UCPBM2BL
	Maintained Red - One Labyrinth Switch	UCPBM1RE
	Maintained Red - Two Labyrinth Switches	UCPBM2RE
	Maintained Green - One Labyrinth Switch	UCPBM1GR
	Maintained Green - Two Labyrinth Switches	UCPBM2GR
Pilot Lights — Supplied with blank nameplates		
	Red LED Pilot Light (120/240 Vac)	UCPLR
	Green LED Pilot Light (120/240 Vac)	UCPLG
	Amber LED Pilot Light (120/240 Vac)	UCPLA
	Blue LED Pilot light (120/240 Vac)	UCPLB
	Red LED Pilot Light (12/24 Vdc)	UCPLRDC
	Green LED Pilot Light (12/24 Vdc)	UCPLGDC
	Amber LED Pilot Light (12/24 Vdc)	UCPLADC
	Blue LED Pilot Light (12/24 Vdc)	UCPLBDC
Sub Components For Push Buttons		
	Green Momentary Mushroom Head	UCMHGR
	Red Momentary Mushroom Head	UCMHRE
	Black Momentary Mushroom Head	UCMHBL
	Green Maintained Mushroom Head	UCMHMGR
	Red Maintained Mushroom Head	UCMHMRE
	Black Maintained Mushroom Head	UCMHMBL
	Green Cap for Momentary Push Button	UCPBCAPGR
	Red Cap for Momentary Push Button	UCPBCAPRE
	Black Cap for Momentary Push Button	UCPBCAPBL
	Yellow Cap for Momentary Push Button	UCPBCAPYL
	Blue Cap for Momentary Push Button	UCPBCAPBU

▼ 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.