

Contender™ 4/4X Series Factory Sealed Control Stations

NEC/CEC:

Class I, Division 2, Groups B, C, D
Class I, Zone 2, Group IIB+H2
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:

Type 3, 3R, 4*, 4X*, 12
IP66 ^

Applications

- For use in washdown and other damp, wet and highly corrosive or dusty areas where ignitable vapors, gases or highly combustible dusts are abnormally present.
- Push buttons and selector switches are used in conjunction with contactors or magnetic starters for remote control of motors.
- Pilot lights provide visual assurance that an electrical function is being performed at a remote or local hazardous location.

Features

- Covers are UL Classified for use with Crouse-Hinds+ EDS series back boxes.
- Corrosion resistant captive stainless steel screws holds cover to back box.
- Silicone cover gasket ensures high degree of water and dust 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.
- Improved pilot light features enhanced circuitry to prevent induced voltage.
- 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 can be used at either 12 or 24 Vac/Vdc.
- Back Box furnished with internal ground screw.
- Factory sealed, no external seals required.
- Selector switch knob and momentary push button guard accepts 1/4" padlocks to prevent unauthorized startup or turnoff.

Standard Materials

- Back box: malleable iron or optional copperfree (4/10 of 1% max.) aluminum
- Cover: die-cast aluminum
- Screws: stainless steel
- Gasket: silicone
- O-Rings: buna n

Standard Finishes

- Malleable iron back box: triple coat—(1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Cover and optional aluminum back box: epoxy powder coat

Options

- 1- or 2-gang aluminum back box for Type 4X rating, add suffix **-A**.
- UCPL pilot light. Standard color is red. Order by suffixes if color desired is other than red, as follows:
 - Green **-JGBG**
 - Amber **-JGBA**
 - Blue **-JGBB**
 - White **-JGBW**
- For 12 or 24 Vac/Vdc pilot light rating, add suffix **-DC**
- 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**

▼ Product with iron back box is Type 4 rated and Type 4X with aluminum back box.

▲ When a pilot light is selected, assembly is rated IP56.

+ Crouse-Hinds is a registered trademark of Cooper Crouse-Hinds.



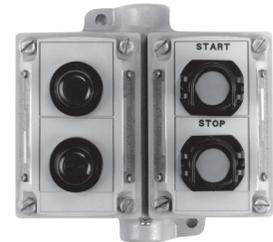
1-Gang Push Button and Pilot Light



1-Gang HOA Selector Switch



1-Gang Emergency Stop Push Button



2-Gang Push Buttons and Pilot Lights

- Push button front operated mushroom head (maintained contact). Standard color is red. Order by suffixes if color desired is other than red, as follows:
 - Green - **NMRBMGR**
 - Black - **NMRBMBL**
- 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 with alternate contacts add suffix **-SRLALT**.
 - Alternate contacts add suffix **-ALT**.

NEC/CEC Certifications and Compliances

- UL Standards: UL 508, UL 698, UL 1203, UL 1604, ISA 12.12.01
- CSA Standards: C22.2 No. 14-M, C22.2 No. 213-M, C22.2 No. 25, C22.2 No. 30
- cULus Listed: E10449, E81751, E157407

APPLETON™

CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES

Contender™ 4/4X Series Factory Sealed Control Stations

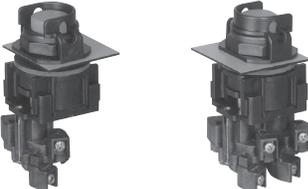
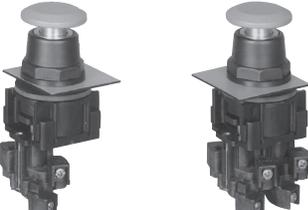
NEC/CEC:

Class I, Division 2, Groups B, C, D

Class I, Zone 2, Group IIB+H2

Class II, Division 1 and 2, Groups E, F, G

Class III

		Description	Catalog Number
Assembled Push Buttons with Contact Blocks — Supplied with Blank Legend Plates			
		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
		Maintained Black Mushroom Head - One Labyrinth Switch	UCPBM1BL
		Maintained Black Mushroom Head - Two Labyrinth Switches	UCPBM2BL
		Maintained Red Mushroom Head - One Labyrinth Switch	UCPBM1RE
		Maintained Red Mushroom Head - Two Labyrinth Switches	UCPBM2RE
		Maintained Green Mushroom Head - One Labyrinth Switch	UCPBM1GR
		Maintained Green Mushroom Head - Two Labyrinth Switches	UCPBM2GR
Pilot Lights — Supplied with Blank Legend Plates			
		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
		White LED Pilot light (120/240 Vac)	UCPLW
		Red LED Pilot Light (12 or 24 Vac/Vdc)	UCPLRDC
		Green LED Pilot Light (12 or 24 Vac/Vdc)	UCPLGDC
		Amber LED Pilot Light (12 or 24 Vac/Vdc)	UCPLADC
		Blue LED Pilot Light (12 or 24 Vac/Vdc)	UCPLBDC
		White LED Pilot Light (12 or 24 Vac/Vdc)	UCPLWDC
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

APPLETON™

CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES