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.*
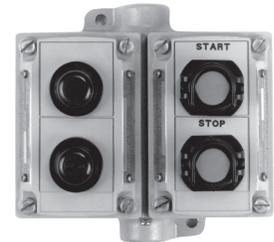✛ *Crouse-Hinds is a registered trademark of Cooper Crouse-Hinds.*

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

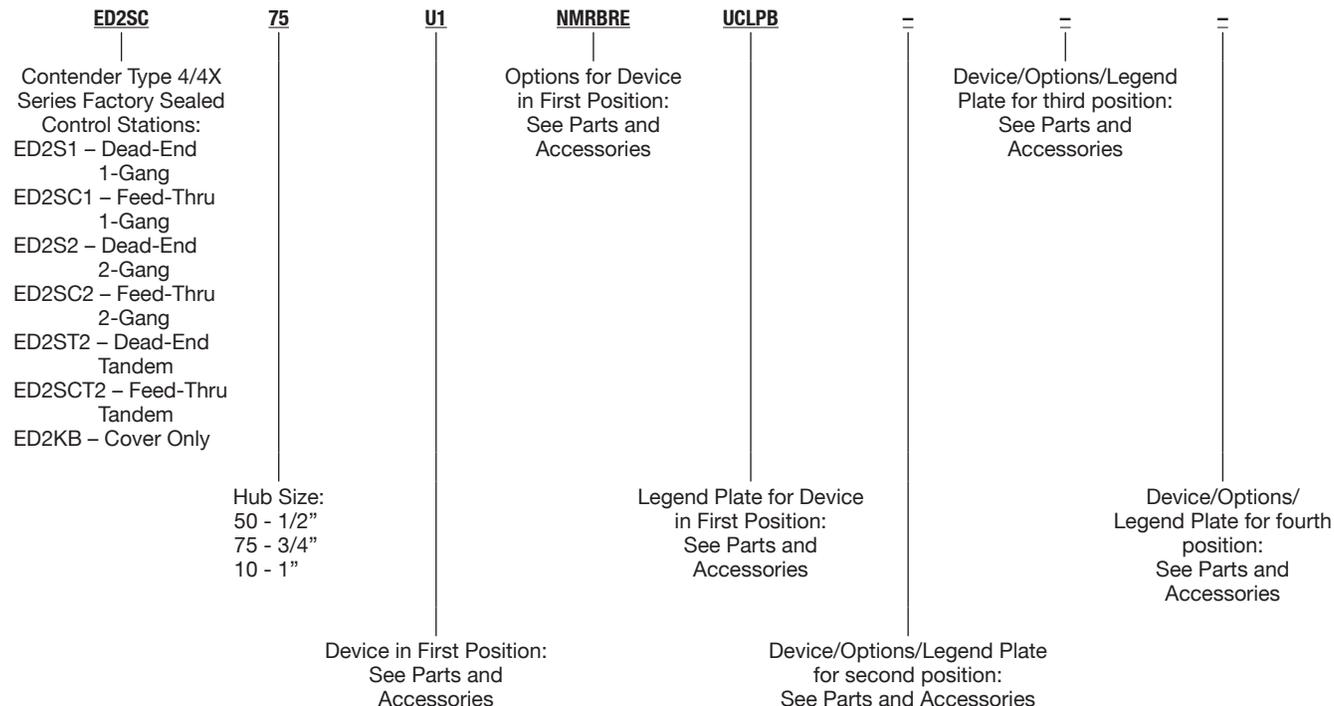# Contender™ 4/4X Series Factory Sealed Control Stations

Catalog Numbering Guide

| ED2SC | 75 | U1 | NMRBRE | UCLPB | _ | _ | _ |

ED2SC
Contender Type 4/4X Series Factory Sealed Control Stations:
ED2S1 – Dead-End 1-Gang
ED2SC1 – Feed-Thru 1-Gang
ED2S2 – Dead-End 2-Gang
ED2SC2 – Feed-Thru 2-Gang
ED2ST2 – Dead-End Tandem
ED2SCT2 – Feed-Thru Tandem
ED2KB – Cover Only

75 — Hub Size:
50 - 1/2"
75 - 3/4"
10 - 1"

U1 — Device in First Position:
See Parts and Accessories

NMRBRE — Options for Device in First Position:
See Parts and Accessories

Legend Plate for Device in First Position:
See Parts and Accessories

UCLPB — Device/Options/Legend Plate for second position:
See Parts and Accessories

Device/Options/Legend Plate for third position:
See Parts and Accessories

Device/Options/Legend Plate for fourth position:
See Parts and Accessories

Contender™ 4/4X Series Factory Sealed Control Stations

Push Button and Pilot Light Cover Assemblies

	Description	Diagram	Standard Legend Plate Marking and Device Color	Catalog Number
	1 Circuit Universal		Start/Green	**ED2KBU1**
	2 Circuits Universal		Start/Green	**ED2KBUD1**
	2 Circuits Universal		Start/Green Stop/Red	**ED2KBU2**
	4 Circuits Universal		Start/Green Stop/Red	**ED2KBUD2**
	1 Pilot Light and 1 Circuit Universal		Push button: Start/ Green Pilot Light: Blank/Red	**ED2KBJ1U1**
	1 Pilot Light and 2 Circuit Universal		Push button: Start/ Green Pilot Light: Blank/Red	**ED2KBJ1UD1**
	1 Circuit Universal		Emergency Stop/Red	**ED2KBUM1**
	2 Circuits Universal		Emergency Stop/Red	**ED2KBUDM1**
	1 Pilot Light		Blank/Red	**ED2KBJ1**
	2 Pilot Light		Blank/Red	**ED2KBJ2**

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▲ *When a pilot light is selected, assembly is rated IP56.*
NOTE: Covers are UL Classified for use with Cooper Crouse-Hinds EDS back boxes.

EMERSON

APPLETON

CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES