Division 2 Contender™ Series Factory Sealed Control Stations

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

NEC/CEC:
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:
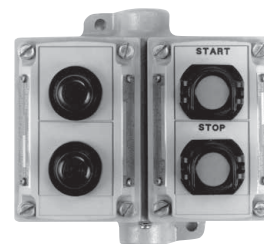 — Green - **NMRBMGR**
  — Black -**NMRBMBL**

1–Gang Push Button and Pilot Light

1–Gang Selector Switch
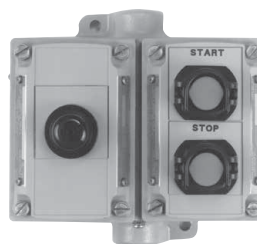
2–Gang Push Buttons and Pilot Lights

- 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**.

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

▾ *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.*
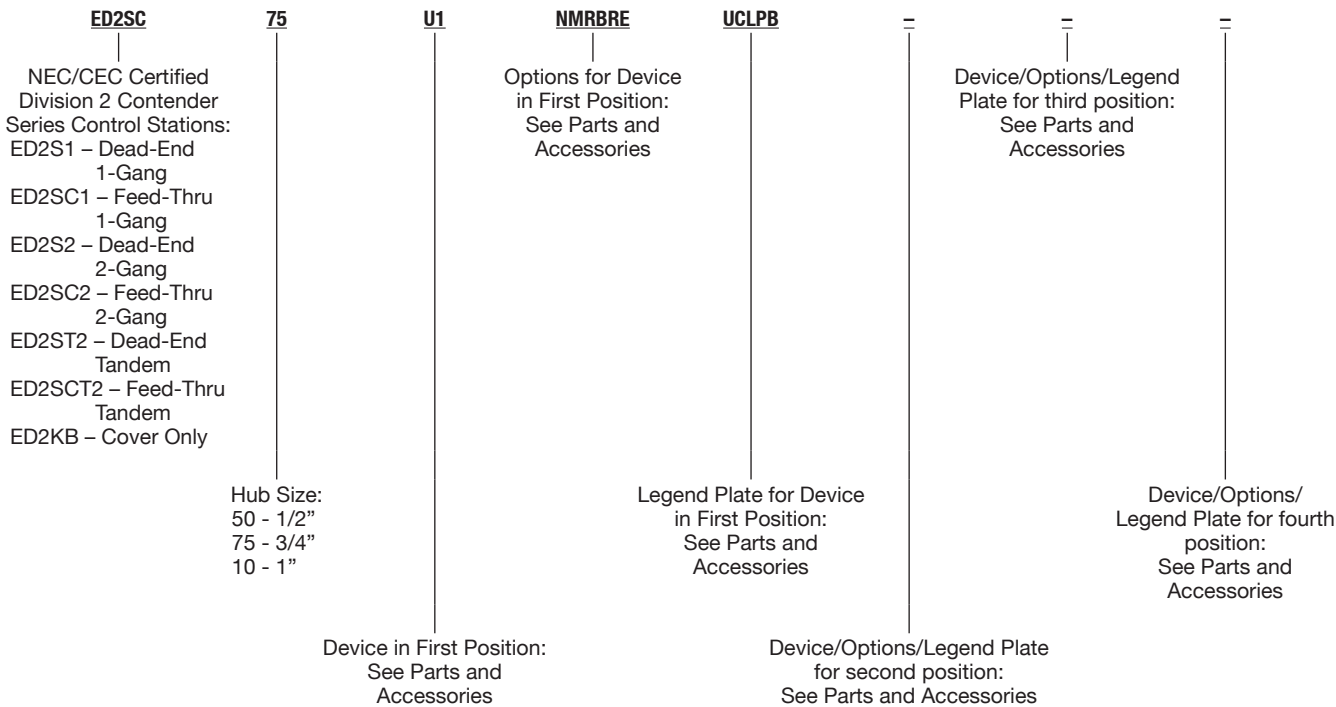*Classified by UL for use in specific combinations with Cooper Crouse-Hinds EDS covers and bodies.*

CONTROLS: NEC/CEC EXPLOSIONPROOF CONTROL STATIONS AND SWITCHES

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Division 2 Contender™ Series Factory Sealed Control Stations

Catalog Numbering Guide

| ED2SC | 75 | U1 | NMRBRE | UCLPB | — | — | — |

ED2SC
NEC/CEC Certified
Division 2 Contender
Series 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

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Division 2 Contender™ Series Factory Sealed Control Stations

Devices

Device Descriptions	Suffix
Momentary Push Button - 1NO/NC	U1
Momentary Push Button - 2NO/NC	UD1
Maintained Push Button - 1 NO/NC	UM1
Maintained Push Button - 2 NO/NC	UDM1
Pilot Light	J1
2-POS 2-CKT Selector Switch	12
3-POS 2-CKT Selector Switch	102
2-POS 4-CKT Selector Switch	35
3-POS 4-CKT Selector Switch (Labyrinth Switch Only)	345
Close-up Plug	PLG
Blank Cover	B

Options

Options Descriptions	Suffix
Amber Pilot Light	JGBA
Green Pilot Light	JGBG
Blue Pilot Light	JGBB
DC Rating for Pilot Light	DC
Red Mushroom Head - Momentary Push Button	NMRBRE
Green Mushroom Head - Momentary Push Button	NMRBGR
Black Mushroom Head - Momentary Push Button	NMRBBL
Black Mushroom Head - Maintained Push Button	NMRBMBL
Green Mushroom Head - Maintained Push Button	NMRBMGR
Spring Return from Right - Selector Switch (3 Position Only)	SRC
Spring Return from Left - Selector Switch (3 Position Only)	SLC
Spring Return from Right and Left - Selector Switch (3 Pos, 4 Ckt and Alt Contacts Only)	SRL
Alternate Contacts - Selector Switch	ALT
Red Momentary Push Button	PBRE
Green Momentary Push Button	PBGR

Accessories

Accessories Descriptions	Suffix
Mushroom Head Push Button Locking Guard	UCMPBLG

Nameplate Options ①

Device Descriptions	Suffix
Two Position Selection Switch Nameplates	
Forward—Reverse	UCLP-FR
Hand—Auto	UCLP-HA
On—Off	UCLP-OO
Start—Stop	UCLP-SS
Blank	UCLP-B
Three Position Selection Switch Nameplates	
Forward—Off—Reverse	UCLP-FOR
Hand—Off—Auto	UCLP-HOA
Run—Off—Jog	UCLP-ROJ
Blank	UCLP-B
Pilot Lights	
Blank	UCPLP-B
Run	UCPLP-RUN
On	UCPLP-ON
Off	UCPLP-OFF
Close	UCPLP-CLOSE
Push Buttons *(Standard, Mushroom Head and Mushroom Head Maintained)*	
Blank	UCLP-B
Off	UCLP-OFF
On	UCLP-ON
Forward	UCLP-FWD
Reverse	UCLP-REV
Jog	UCLP-JOG
Run	UCLP-RUN
Start	UCLP-ST
Stop	UCLP-SP
Up	UCLP-UP
Down	UCLP-DOWN
Fast	UCLP-FAST
Slow	UCLP-SLOW
Raise	UCLP-RAISE
Lower	UCLP-LOWER
Open	UCLP-OPEN
Close	UCLP-CLOSE
Low	UCLP-LOW
High	UCLP-HIGH
Test	UCLP-TEST
Rest	UCLP-RESET
Emergency Stop	UCLP-ESTP

① *Custom nameplates are available. Contact your local sales representative for details.*
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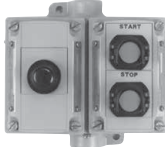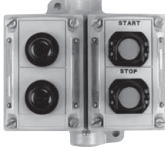
2-Gang Push Buttons and Pilot Lights — Momentary

Hub Size (Inches)	Description	Diagram	Standard Legend Plate Marking and Device Color	Catalog Number Dead–End	Catalog Number Feed–Thru
1/2	2 Circuits Universal and 1 Pilot Light		Push Buttons: Start/Green Stop/Red Pilot Light: Blank/Red	ED2S250J1U2	ED2SC250J1U2
3/4				ED2S275J1U2	ED2SC275J1U2
1				ED2S210J1U2	ED2SC210J1U2
1/2	2 Circuits Universal and 2 Pilot Lights		Push Buttons: Start/Green Stop/Red Pilot Light: Blank/Red	ED2S250J2U2	ED2SC250J2U2
3/4				ED2S275J2U2	ED2SC275J2U2
1				ED2S210J2U2	ED2SC210J2U2

1-Gang Selector Switches

Hub Size (Inches)	Description	Diagram Left	Diagram Center	Diagram Right	Standard Legend Plate Marking and Device Color	Catalog Number Dead–End	Catalog Number Feed–Thru
1/2	2 Position 2 Circuit		None		On/Off	ED2S15012	ED2SC15012
3/4						ED2S17512	ED2SC17512
1						ED2S11012	ED2SC11012
1/2	2 Position 4 Circuit		None		On/Off	ED2S15035	ED2SC15035
3/4						ED2S17535	ED2SC17535
1						ED2S11035	ED2SC11035
1/2	3 Position 2 Circuit				Hand/Off/Auto	ED2S150102	ED2SC150102
3/4						ED2S175102	ED2SC175102
1						ED2S110102	ED2SC110102
1/2	3 Position 4 Circuit				Hand/Off/Auto	ED2S150345	ED2SC150345
3/4						ED2S175345	ED2SC175345
1						ED2S110345	ED2SC110345

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