



The FlexStation offering is a complete system of interchangeable control station devices that can be quickly and easily assembled on-site into hundreds of configurations, to meet your specific application requirements.

### Applications

FlexStation factory-sealed control stations are installed in a rigid metallic conduit system for surface mounting adjacent to or remote from equipment being controlled. They are used:

- in conjunction with magnetic starters or contactors for remote control of motors
- to prevent arcing of an enclosed device from causing ignition of hazardous atmosphere(s) outside the enclosure
- in industrial areas where the atmosphere may contain hazardous gases and/or dusts, such as chemical plants, oil and gas refineries, paint and varnish manufacturing plants, gasoline bulk loading terminals, grain elevators, grain processing industries, coal processing or handling areas, and metal handling or finishing areas
- in nonhazardous areas where sturdy, durable enclosures are required

### A COMPLETE SYSTEM OF DEPENDABLE DEVICES AND COMPONENTS

- |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>■ Device operators               <ul style="list-style-type: none"> <li>- Pushbuttons, including single and double maintained and momentary buttons (red/green/black)</li> <li>- Pilot lights in five colors with and without transformers</li> <li>- Selector switches including keyed and spring return to center options</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>■ Covers               <ul style="list-style-type: none"> <li>- Iron or aluminum</li> <li>- One, two or three device holes</li> <li>- Cover subassemblies with various combinations of operators on a single cover</li> </ul> </li> <li>■ Back boxes               <ul style="list-style-type: none"> <li>- Iron or aluminum</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>■ Contact blocks               <ul style="list-style-type: none"> <li>- Factory sealed</li> </ul> </li> <li>■ Device legend plates including premarked and blank</li> <li>■ Hinged and open-front environmental control station covers</li> </ul> |
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The FlexStation line also includes a three-operator cover. The following combinations may be used on the three-operator cover; order by components.

- Triple pushbutton
- Triple pilot light
- Plus any other combination of pushbuttons, pilot lights and selector switches, limited to one contact block per device
- Two pilot lights plus single pushbutton
- Two pushbuttons plus single pilot light

### Standard Materials

- Back boxes and covers – Feraloy® or copper-free aluminum
- Device operators
  - guard – nylon
  - operator bearing – stainless steel
  - operating shaft – stainless steel
  - mounting block – iron with zinc plate finish
  - pushbutton button – nylon
  - pilot light jewel – tempered glass
- Legend plate – aluminum
- Contact blocks – thermoplastic with brass contacts

### Standard Finishes

- Feraloy – electrogalvanized and aluminum acrylic paint
- Copper-free aluminum – natural
- Stainless steel – natural

### Electrical Ratings

- Pushbuttons – 600 VAC heavy-duty (NEMA A600)
- Pilot lights – 120 V (higher voltages available, see options)

### Compliances

|                                      |                        |
|--------------------------------------|------------------------|
| Class I, Division 1, Groups* C, D    | Class III              |
| Class I, Division 2, Groups B, C, D  | Zone 1 & 2 Groups IIB* |
| Class II, Division 1, Groups E, F, G | UL/cUL Listed          |
| Class II, Division 2, Groups F, G    |                        |

\* For Class I, Division 1, Group B or Zone 1 Hydrogen applications, use the EFS(C) complete control station catalog numbers listed in Product Catalog.



Hinged and open-front environmental covers are available. See page 5 for ordering information.

# 5 Steps

To make component selection simple we have developed the following five-step process. A worksheet that can be completed and used as a reference when pulling components from stock is available from the Resources area of the Cooper Crouse-Hinds website.



## Step 1

### Select a Cover



#### Cover only – No Device Operators or Contact Blocks

|                                                                                             | Cat. #      |
|---------------------------------------------------------------------------------------------|-------------|
| Single gang (Iron cover with single hole).....                                              | DS441       |
| Single gang (Iron cover with 2 holes).....                                                  | DS442       |
| 1½ gang (Aluminum cover with 3 holes, to be used with EFD1491-SA series of back boxes)..... | DS443-SA    |
| Replacement cover plug for unused device operator openings.....                             | DS: 0206765 |

#### Options

#### Suffix to be added to cat. #

|                                                                                                     |      |
|-----------------------------------------------------------------------------------------------------|------|
| Aluminum cover (mandatory suffix on DS443).....                                                     | SA   |
| Exterior epoxy powder coat finish.....                                                              | S752 |
| Interior & exterior epoxy powder coat finish. Not available on three-operator cover (DS443-SA)..... | S753 |

## Step 2

### Select a Back Box



#### DEAD END

| Back Box Arrangement | Hub Size | Cat. #     | Use with Cover |
|----------------------|----------|------------|----------------|
| Single gang back box | 1/2"     | EDS171*    | DS441 or DS442 |
| Single gang back box | 3/4"     | EDS271*    | DS441 or DS442 |
| Single gang back box | 1"       | EDS371*    | DS441 or DS442 |
| Two gang back box    | 1/2"     | EDS172*    | DS441 or DS442 |
| Two gang back box    | 3/4"     | EDS272*    | DS441 or DS442 |
| Two gang back box    | 1"       | EDS372*    | DS441 or DS442 |
| 1½ gang back box     | 1/2"     | EFD1491-SA | DS443-SA       |
| 1½ gang back box     | 3/4"     | EFD2491-SA | DS443-SA       |
| 1½ gang back box     | 1"       | EFD3491-SA | DS443-SA       |

#### THROUGH FEED

| Back Box Arrangement | Hub Size | Cat. #      | Use with Cover |
|----------------------|----------|-------------|----------------|
| Single gang back box | 1/2"     | EDSC171*    | DS441 or DS442 |
| Single gang back box | 3/4"     | EDSC271*    | DS441 or DS442 |
| Single gang back box | 1"       | EDSC371*    | DS441 or DS442 |
| Two gang back box    | 1/2"     | EDSC172*    | DS441 or DS442 |
| Two gang back box    | 3/4"     | EDSC272*    | DS441 or DS442 |
| Two gang back box    | 1"       | EDSC372*    | DS441 or DS442 |
| 1½ gang back box     | 1/2"     | EFDC1491-SA | DS443-SA       |
| 1½ gang back box     | 3/4"     | EFDC2491-SA | DS443-SA       |
| 1½ gang back box     | 1"       | EFDC3491-SA | DS443-SA       |

#### Options

#### Suffix to be added to cat. #

|                                                   |      |
|---------------------------------------------------|------|
| *Aluminum body.....                               | SA   |
| Exterior epoxy powder coat finish.....            | S752 |
| Interior & exterior epoxy powder coat finish..... | S753 |