

FlexStation™ control station components

Applications:

Five modular components – operators, contact blocks, covers, legend plates and bodies – are combined to provide a variety of control stations which are:

- For use indoors or outdoors, in areas which are hazardous due to the presence of flammable gases and vapors, or combustible dust
- Used in conjunction with magnetic starters or contactors for remote control of motors and other electrical apparatus
- For installation in petroleum refineries, chemical, petrochemical and other industrial process facilities; grain processing and storage facilities; and other heavy industrial applications where Class I, Class II or Class III hazards are present

Features:

- Momentary contact pushbuttons, maintained contact pushbuttons and pilot lights offer a choice of functions
- Selector switches in two- or three-position configurations, including keyed and spring return options
- Single-hole, two-hole and three-hole covers for one, two or three devices, respectively, per station
- Rugged control devices for safe, reliable operation in industrial applications
- Bodies, with extra room for wire pulling and termination, also include two integral mounting feet for fast, secure installation
- Bodies have 1/2", 3/4" or 1" dead end or through feed conduit hubs with integral bushing for protection of wire insulation
- Covers and bodies are available in Feraloy or copper-free aluminum for light weight and corrosion resistance
- DL legend plates have large lettering to give clear indication of device function; space is available for field markings

Certifications and compliances:

NEC:

- Class I, Divisions 1 & 2, Groups B[Ⓐ] (Div. 2), C, D
- Class II, Divisions 1 & 2, Groups E, F, G
- Class III
- Zones 1 & 2, Group IIB[Ⓐ]

UL standard:

- UL1203

Environmental ratings:

- NEMA 4X, 7B (Div. 2) CD, 9EFG, 12
- -50°C to +60°C (optional)



Standard materials:

- Bodies and covers – Feraloy or copper-free aluminum
- Pushbuttons and guards – Type 6/6 nylon
- Operating shafts and bearings – stainless steel

Standard finishes:

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

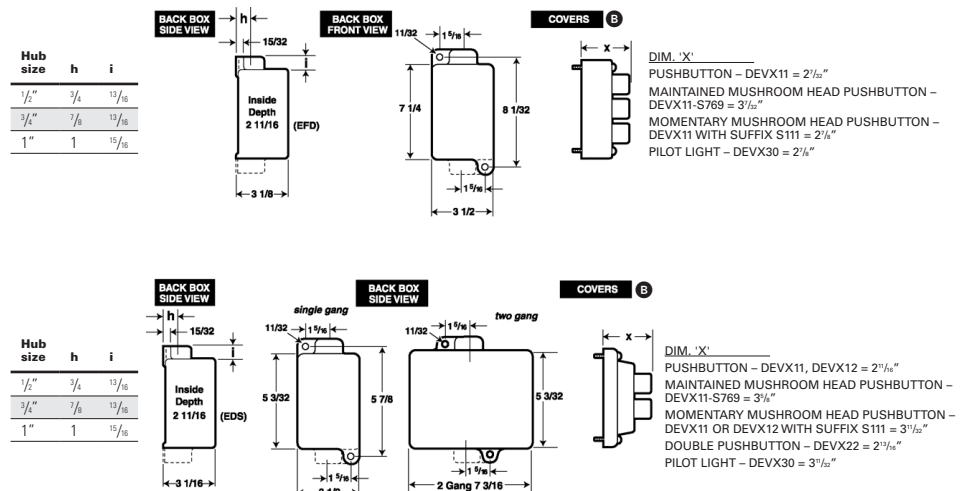
Options:

- | Description | Suffix |
|--|-------------|
| • Copper-free aluminum bodies and covers | SA |
| • Corro-free™ epoxy finish for use in severely corrosive environments..... | S752 |
- Available on FlexStation™ covers and bodies*

Electrical ratings:

- Pushbuttons and selector switches – 600 VAC heavy duty (NEMA A600)
- Pilot lights – 120 VAC (standard)
- S300 option – 24V AC/DC

Dimensions (in inches):



[Ⓐ]For Class I, Division 1, Group B or Zone 1 hydrogen applications, use the EFS(C) complete control station catalog numbers.

[Ⓑ]Covers have same length and width as back boxes.

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Ordering information:

STEP 1 – SELECT OPERATOR

Pushbutton – front operated, standard black button



Description	Cat. #
Single button for 1 contact block	DEVX11
Single button for 2 contact blocks	DEVX12
Double buttons for 2 contact blocks	DEVX22



Options	Suffix
Specify color for each pushbutton button (for example: DEVX11G, DEVX22GR). Color is BLACK if unspecified.	
Green button – unmarked	G
Red button – unmarked	R
Momentary red mushroom head (breaks normally closed contacts only; not available with lockout or DEVX22)	S111
Lockout with bar and chain (available on DEVX11 and DEVX12)	S153
Maintained red mushroom head (breaks normally closed and makes normally open contacts, push to stop, lockout standard; not available with DEVX22)	S769



Pilot light – factory sealed, incandescent lamp



Description	Cat. #
Pilot light with red jewel	DEVX30 J1
Pilot light with green jewel	DEVX30 J3
Pilot light with amber jewel	DEVX30 J6
Pilot light with clear jewel	DEVX30 J10
Pilot light with blue LED and clear jewel	DEVX30 J11 LED



Options	Suffix
LED lamps (standard clear jewel with colored lamp)	LED
24V lamp (not available with transformer feature)	S300
240/120V pilot light transformer	T2
480/120V pilot light transformer	T4
600/120V pilot light transformer	T5

Selector switch – with standard lockout



Description	Cat. #
2-position (pos. 1 – N.O., pos. 2 – N.C.) for use with 1 or 2 contact blocks	DEVX42
3-position (pos. 1 – N.O., pos. 2 – Open, pos. 3 – N.C.) for use with 1 or 2 contact blocks	DEVX43
3-position (pos. 1 – N.C., pos. 2 – N.O., pos. 3 – N.O. for Switch A) (pos. 1 – N.O., pos. 2 – N.O., pos. 3 – N.C. for Switch B) for use with 2 contact blocks	DEVX44



Options	Suffix
Spring return to center from right (for DEVX43 or DEVX44 only)	S634
Spring return to center from left (for DEVX43 or DEVX44 only)	S635
Spring return to center from right and left (for DEVX43 or DEVX44 only)	S842
Key operated – removable from all positions	S847 K1 [Ⓓ]
Key operated – removable from left position for DEVX42 or from center for DEVX43 and DEVX44	S847 K2 [Ⓓ]
Key operated – removable from right position for DEVX42 or from left for DEVX43 and DEVX44	S847 K3 [Ⓓ]
Key operated – removable from right position for DEVX43 and DEVX44	S847 K4 [Ⓓ]

[Ⓒ]For Class I, Division 1, Group B or Zone 1 hydrogen applications, use the EFS(C) complete control station catalog numbers.

[Ⓓ]Additional key lock housings available; please contact Customer Service.

FlexStation™ control station components

Ordering information (continued):

STEP 2 – SELECT CONTACT BLOCK (IF REQUIRED)

Contact block

4C



Description

Contact block, 1 N.O. and 1 N.C., 10A, 600 VAC, A600 rating

Cat.

ESWP126

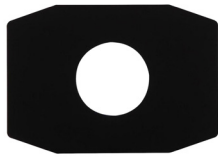
Note: Each control station assembly will accept a maximum of three contact blocks. Select device operators accordingly. DEVX12, DEVX22 and DEVX44 may not be used on a three-operator (DS443 SA) cover. DEVX42 and DEVX43 may not be used on a three-operator cover when using them with two contact blocks.

STEP 3 – SELECT DESIRED LEGEND PLATES

Legend plates



DL101



DL01

For use with single-hole covers

Cat. #	Inscription
DL101	Blank
DL128	Run-Jog
DL129	Hand-Auto
DL130	Forward-Reverse
DL132	Open-Close
DL133	Up-Down
DL135	In-Out
DL136	Raise-Lower
DL137	Start-Stop
DL138	Run-Off-Jog
DL139	Hand-Off-Auto
DL140	For-Off-Rev
DL141	Fast-Off-Slow
DL142	1-Off-2
DL143	Open-Off-Close
DL144	Up-Off-Down
DL148	Off-On
DL149	Auto-Off-Hand
DL165	Slow-Fast
DL186	Safe-Run
DL187	Raise-Off-Lower
DL188	Slow-Off-Fast
DL189	Odd-Off-Even
DL190	Stop-Start
DL191	On-Off
DL192	Fast-Slow
DL193	Local-Remote
DL194	Trip-Reset
DL195	Auto-Manual
DL196	Start-Emer Stop
DL197	Alarm-Silence
DL198	Maint-Manual
DL199	Test-Reset

For use with 2- or 3-hole covers

Cat. #	Inscription	Cat. #	Inscription
DL01	Blank with no fields	DL32	Open-Close
DL02	Blank with single field	DL33	Up-Down
DL03	Blank with two fields	DL35	In-Out
DL05	Start	DL36	Raise-Lower
DL06	Stop	DL37	Start-Stop
DL07	On	DL38	Run-Off-Jog
DL08	Off	DL39	Hand-Off-Auto
DL09	Run	DL40	For-Off-Rev
DL10	Jog	DL41	Fast-Off-Slow
DL11	Trip	DL42	1-Off-2
DL12	Reset	DL43	Open-Off-Close
DL13	Test	DL44	Up-Off-Down
DL14	Power On	DL46	Fast
DL15	Hand	DL47	Slow
DL16	Automatic	DL48	Off-On
DL17	Emer Stop	DL49	Auto-Off-Hand
DL18	Forward	DL65	Slow-Fast
DL19	Reverse	DL85	Safe
DL20	Open	DL86	Safe-Run
DL21	Close	DL87	Raise-Off-Lower
DL22	Up	DL88	Slow-Off-Fast
DL23	Down	DL89	Odd-Off-Even
DL24	In	DL90	Stop-Start
DL25	Out	DL91	On-Off
DL26	Raise	DL92	Fast-Slow
DL27	Lower	DL93	Local-Remote
DL28	Run-Jog	DL94	Trip-Reset
DL29	Hand-Auto	DL95	Auto-Manual
DL30	Forward-Reverse	DL96	Start-Emer Stop
		DL97	Alarm-Silence
		DL98	Maint-Manual
		DL99	Test-Reset

Note: For special markings, order DL101 – “Desired Markings” or DL01 – “Desired Markings.”

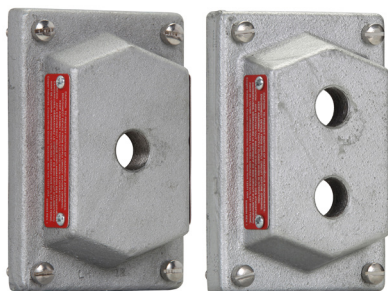
^EFor Class I, Division 1, Group B or Zone 1 hydrogen applications, use the EFS(C) complete control station catalog numbers.

FlexStation™ control station components

Ordering information (continued):

STEP 4 – SELECT COVER

Covers



Description	Cat. #
Blank cover with single hole (single-gang)	DS441
Blank cover with 2 holes (single-gang)	DS442
Blank cover with 3 holes (to be used with EFD(C)1491 SA, 2491 SA or 3491 SA back boxes)	DS443 SA
Replacement cover plug for unused device operator openings	DS:0206765

Options	Suffix
Aluminum body (mandatory suffix on DS443; must be included in catalog number)	SA
Exterior epoxy powder coat finish	S752
Interior and exterior epoxy powder coat finish (not available on 3-operator cover (DS443 SA))	S753

STEP 5 – SELECT BACK BOX

Back boxes – for use with DS441 & DS442 covers or with 1- and 2-gang DS/DSD covers



Back box arrangement	Hub size	Cat. # Dead end	Cat. # Through feed
Single-gang back box	1/2"	EDS171	EDSC171
Single-gang back box	3/4"	EDS271	EDSC271
Single-gang back box	1"	EDS371	EDSC371
Two-gang back box	1/2"	EDS172	EDSC172
Two-gang back box	3/4"	EDS272	EDSC272
Two-gang back box	1"	EDS372	EDSC372

Options	Suffix
Aluminum body	SA
Exterior epoxy powder coat finish	S752
Interior and exterior epoxy powder coat finish	S753

Back boxes – for use with DS443 SA cover or with 1½ gang DS511 (3-operator) covers



Back box arrangement	Hub size	Cat. # Dead end	Cat. # Through feed
1½-gang back box	1/2"	EFD1491 SA	EFDC1491 SA
1½-gang back box	3/4"	EFD2491 SA	EFDC2491 SA
1½-gang back box	1"	EFD3491 SA	EFDC3491 SA

Options	Suffix
Exterior epoxy powder coat finish	S752
Interior and exterior epoxy powder coat finish	S753

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Ordering information (continued):

Back boxes – for use with DS441 & DS442 covers



Back box arrangement	Hub size	Cat. # Through feed
3-gang tandem	1"	EDSC378

Common cover assemblies	
Description	Cat. #
With one pilot light	DS455 ①
With one pilot light and transformer	DS476 ①②
With two pilot lights	DS456 ①①
With one pushbutton	DS429*
With two pushbuttons	DS454*
With one pushbutton and one pilot light	DS510 ①*

①Add color symbol for each pilot light

Color	Symbol
Red	J1
Green	J3
Amber	J6
Clear	J10
Blue	J11

②Add suffix below for transformer primary voltage

Transformers – voltages above 125		
Nom. volts 50-60 Hz transformer	Primary voltage range	Suffix
220/110	220-240	T2
440/110	440-480	T4
550/110	550-600	T5

*If desired, markings on indicating plates may be added to catalog number. Select from the list of standard markings below:

START	OFF	RESET	LIGHT ON
STOP	RUN	TRIP	HAND
ON	JOG	TEST	AUTOMATIC
EMERGENCY	OPEN	DOWN	RAISE
FORWARD	CLOSE	IN	LOWER
REVERSE	UP	OUT	

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