EDS and EFS control stations

Fully assembled EFS fire alarm station

Cl. I, Div. 1, Groups B[A], C, D
Cl. I, Div. 2, Groups B, C, D
Cl. II, Div. 1, Groups E, F, G
Cl. II, Div. 2, Groups F, G
Cl. III
NEMA 3, 7B[A]CD, 9EFG

Explosionproof
Dust-ignitionproof
Raintight
Wet Locations

Applications:

EFS fire alarm stations are used:

- In areas which are hazardous due to the presence of flammable vapors, gases or highly combustible dusts
- For installation at petroleum refineries, chemical and petrochemical plants and other process industry facilities where similar hazards exist
- To indicate at a remote location that a fire exists in the area

Features:

- Small, compact enclosures with accurately ground flange on both body and cover for flame-tight joint
- Available in red for fire alarm applications

Certifications and compliances:

NEC/CEC:

- Class I, Groups B[A], C, D
- Class II, Groups E, F, G
- Class III
- As indicated under catalog listings, certain units can be supplied for Class I, Division 1, Group B (NEMA 7B); seals must be installed within 1½" of each conduit opening

UL standard:

- UL1203

Environmental ratings:

- NEMA 3, 7B[A]CD, 9EFG

Standard materials:

- Bodies – Feraloy iron alloy (U.S.) or copper-free aluminum (Canada)

Standard finishes:

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

Options:

Description	Suffix
• Units suitable for Class I, Division 1, Group B usage..... *Where indicated in catalog listings*	**GB[A]**

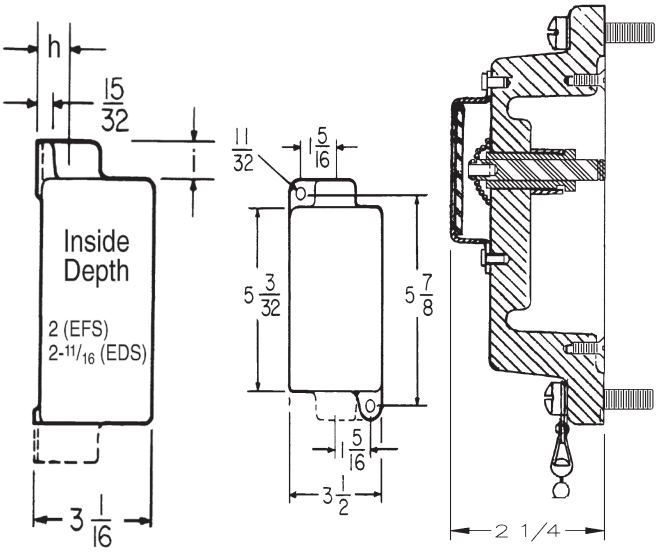
Ordering information:



EFS21095

Hub size	Cat. # Dead end	Cat. # Through feed
¾"	**EFS21095**	**EFSC21095**

Dimensions[B] (in inches):



Typical body side view | **Front view** | **Cover[C]**

Hub size	Dimension 'h'	Dimension 'i'
½"	¾	13/16
¾"	7/8	13/16
1"	1	13/16

[A] Class I, Group B: All units listed above can be modified for Class I, Division 1, Group B usage. Add suffix 'GB' to the end of the catalog number. Seals must be installed within 1½" of each conduit opening in Division 1.

[B] Dimensions are approximate, not for construction purposes.

[C] Surface covers have same length and width dimensions as bodies.

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Sub-assembly reference guide

Control stations and their sub-assemblies:

Complete control station	Sub-assembly: Cover and device	Sub-assembly: Cast back box	Notes and requirements
PUSHBUTTONS			
EDS2184	DSD918	EDS271	
EDSC2184	DSD918	EDSC271	
EDS215	DSD922	EDS271	Start/stop legend included
EDSC215	DSD922	EDSC271	Start/stop legend included
EDS2190	DSD921	EDS271	
EDSC2190	DSD921	EDSC271	
EDS2184-S769-EM-SP	DSD918-S769-EM-SP	EDS271	Emergency stop legend included
EDSC2184-S769-EM-SP	DSD918-S769-EM-SP	EDSC271	Emergency stop legend included
EDS2284	(2) DSD918	EDS272	
EDSC2284	(2) DSD918	EDSC272	
EDS225	(2) DSD922	EDS272	Start/stop legend included
EDSC225	(2) DSD922	EDSC272	Start/stop legend included
EDS2290	(2) DSD921	EDS272	
EDSC2290	(2) DSD921	EDSC272	
PILOT LIGHTS			
EFS21524-J*	DSD948-J*	EDS271†	*Insert pilot light color. †When using the EFS pilot light in Cl. I, Div. 1, Group B applications, the EFS back box is required in place of the EDS.
EFSC21524-J*	DSD948-J*	EDSC271†	
EFS21561-J*-J*	DSD947-J*-J*	EDS271†	
EFSC21561-J*-J*	DSD947-J*-J*	EDSC271†	
PUSHBUTTON / PILOT LIGHT COMBINATIONS			
EDS21473-J*	DSD958-J*	EDS271	*Insert pilot light color.
EDSC21473-J*	DSD958-J*	EDSC271	*Insert pilot light color.
EDS22471-J*	DSD948-J* & DSD921	EDS272	*Insert pilot light color.
EDSC22471-J*	DSD948-J* & DSD921	EDSC272	*Insert pilot light color.
EDS22868-J*-J*	DSD947-J*-J* & DSD921	EDS272	*Insert pilot light color.
EDSC22868-J*-J*	DSD947-J*-J* & DSD921	EDSC272	*Insert pilot light color.
SELECTOR SWITCHES			
EDS21271	DSD923	EDS271	
EDSC21271	DSD923	EDSC271	
EDS21272	DSD924	EDS271	
EDSC21272	DSD924	EDSC271	
EDS21273	DSD925	EDS271	
EDSC21273	DSD925	EDSC271	
EDS21274	DSD926	EDS271	
EDSC21274	DSD926	EDSC271	
EDS21275	DSD927	EDS271	
EDSC21275	DSD927	EDSC271	
MANUAL MOTOR STARTER WITH O/L			
EDS21101	DS415A & SW13	EDS271	"-W *" for heater, or "-0" distributor provided
EDSC21101	DS415A & SW13	EDSC271	"-W *" for heater, or "-0" distributor provided
EDS21102	DS415A & SW14	EDS271	"-W *" for heater, or "-0" distributor provided
EDSC21102	DS415A & SW14	EDSC271	"-W *" for heater, or "-0" distributor provided
EDS21093	DS415A & SW11	EDS271	"-G *" for heater, or "-0" distributor provided
EDSC21093	DS415A & SW11	EDSC271	"-G *" for heater, or "-0" distributor provided
EDS21094	DS415A & SW12	EDS271	"-G *" for heater, or "-0" distributor provided
EDSC21094	DS415A & SW12	EDSC271	"-G *" for heater, or "-0" distributor provided
EDS2199	DS415A & SW9	EDS271	"-P *" for heater, or "-0" distributor provided
EDSC2199	DS415A & SW9	EDSC271	"-P *" for heater, or "-0" distributor provided
EDS21100	DS415A & SW10	EDS271	"-P *" for heater, or "-0" distributor provided
EDSC21100	DS415A & SW10	EDSC271	"-P *" for heater, or "-0" distributor provided

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Sub-assembly reference guide

Control stations and their sub-assemblies (continued):

Complete control station	Sub-assembly: Cover and device	Sub-assembly: Cast back box	Notes and requirements
MANUAL MOTOR STARTER			
EFD218-T8	DSD916	EDS271	
Alternative	DS415A & SQ D 2510 KO-1	EDS271	SQ D switch provided by distributor
EFDC218-T8	DSD916	EDSC271	
Alternative	DS415A & SQ D 2510 KO-1	EDSC271	SQ D switch provided by distributor
EFD2419	DSD917	EDS271	
Alternative	DS415A & GE 2368S	EDS271	GE switch provided by distributor
EFDC2419	DSD917	EDSC271	
Alternative	DS415A & GE 2368S	EDSC271	GE switch provided by distributor
SNAP SWITCHES			
EDS2129	DS652 & SW5	EDS271	
Alternative	DSD933	EDS271	External sealing fitting required
EDSC2129	DS652 & SW5	EDSC271	
Alternative	DSD933	EDSC271	External sealing fitting required
EDS218	DS652 & SW6	EDS271	
Alternative	DSD634	EDS271	External sealing fitting required
EDSC218	DS652 & SW6	EDSC271	
Alternative	DSD634	EDSC271	External sealing fitting required
EDS2130	DS652 & SW7	EDS271	
Alternative	DSD936	EDS271	External sealing fitting required
EDSC2130	DS652 & SW7	EDSC271	
Alternative	DSD936	EDSC271	External sealing fitting required
EDS2140	DS652 & SW8	EDS271	
Alternative	DSD937	EDS271	External sealing fitting required
EDSC2140	DS652 & SW8	EDSC271	
Alternative	DSD937	EDSC271	External sealing fitting required
EDS2229	(2) DS652 & (2) SW5	EDS272	
Alternative	(2) DSD933	EDS272	External sealing fitting required
EDSC2229	(2) DS652 & (2) SW5	EDSC272	
Alternative	(2) DSD933	EDSC272	External sealing fitting required
EDSC228	(2) DS652 & (2) SW6	EDSC272	
Alternative	(2) DSD634	EDSC272	External sealing fitting required
EDS2230	(2) DS652 & (2) SW7	EDS272	
Alternative	(2) DSD936	EDS272	External sealing fitting required
EDSC2230	(2) DS652 & (2) SW7	EDSC272	
Alternative	(2) DSD936	EDSC272	External sealing fitting required
EDSC2240	(2) DS652 & (2) SW8	EDSC272	
Alternative	(2) DSD937	EDSC272	External sealing fitting required
ROCKER SWITCHES			
EDS2596	DSD949	EDS271	
EDSC2596	DSD949	EDSC271	
EDS2162	DSD951	EDS271	Start/stop legend included
EDSC2162	DSD951	EDSC271	Start/stop legend included
EDS2194	DSD950	EDS271	
EDSC2194	DSD950	EDSC271	
EDS2696	(2) DSD949	EDS272	Start/stop legend included
EDSC2696	(2) DSD949	EDSC272	Start/stop legend included
EDS2262	(2) DSD951	EDS272	
EDSC2262	(2) DSD951	EDSC272	
EDS2294	(2) DSD950	EDS272	
EDSC2294	(2) DSD950	EDSC272	

Additional notes:

- See Eaton's Crouse-Hinds series installation instructions for any possible additional sealing requirements.
- Part numbers listed with ¾" hub in back box (Example: EDS2184). For ½" hub, change the "2" to "1" (EDS1184). For 1" hub, change the "2" to "3" (EDS3184).
- Control stations with "STOP" legend have lockout provided as standard.
- Pilot light colors: J*– J1 = Red, J3 = Green, J6 = Amber, J10 = Clear, J11 = Blue. LED pilot lights are available with suffix 'LED'.
- Pilot light transformers for voltages over 125V: suffix T2 = 240/220 – 110V, T4 = 480/440 – 110V, T5 = 600/500 – 110V (not available on double pilot cover).
- Standard legend plate markings are available by adding nomenclature after the part number (Example: EDS2184-RUN).
- Selector switch nameplate kits available. 2-Pos = "SS2KIT", 3-Pos = "SS3KIT". See Replacement Parts book for additional information.
- Copper-free aluminum bodies and covers available with suffix 'SA'.
- Group B ratings may be achieved by adding the suffix 'GB' or using the EFS back box. See part number instructions for the item required.
- Group B ratings may already be achieved when used in Class I, Division 2 applications. See Certifications and Compliances for item required.

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