

EMP and EMPS Barrel Assemblies

Cl. I, Div. 1 & 2, Groups B, C, D Explosionproof
 Cl. II, Div. 1, Groups E, F, G Dust-Ignitionproof
 Cl. II, Div. 2, Groups F, G Raintight
 Cl. III Wet Locations
 II 2 G Ex d IIB + H₂, T5 NEMA 3, 7BCD, 9EFG

As indicated in the listings, certain barrel assemblies are the same as those used in complete EMP units and may be utilized as replacements.

The remainder are primarily for use with hazardous area boxes to assemble special control stations. For additional information, see pages 576–583 describing custom-built control panels.

Certifications and Compliances:

- Class I, Division 1 & 2, Groups B, C, D
- Class II, Division 2, Groups E, F, G
- Class III
- NEMA/EEMAC: 3, 7BCD, 9EFG
- UL Standard 1203
- CSA Standard C22.2 No 30
- CENELEC
- ATEX Certificate ITS07 ATEX 15652U

Ordering Information:

Select the Cat. No. from the listings. For pilot lights and illuminated pushbuttons, specify color of jewel using symbols from the table below. For pushbuttons and selector switches, optional markings may be specified in the tables below.

Group 1:

Standard assemblies are for replacement in complete EMP units or for custom-built control panels. Short assemblies are for custom-built control panels only. Both assemblies may be used with System 4 Control Stations.

Pilot light‡



Diagram	Standard Assembly Cat. #
 (120V)*	EMP009 ①

Single pushbutton Double pushbutton, single operator



Diagram	Short Cat. #	Standard Cat. #
	EMPS019 ②	EMP019 ②
	EMPS029 ②	EMP029 ②

Double pushbutton, double operator



Diagram	Short Assembly Cat. #	Standard Assembly Cat. #
	EMPS039 ②	EMP039 ②

Two-position selector switch



Diagram Position 1	Position 2	Short Assembly Cat. #	Standard Assembly Cat. #
A1  A2 	A1  A2 	EMPS049 ②	EMP049 ②
A1  B1  A2  B2 	A1  B1  A2  B2 	EMPS059 ②	EMP059 ②

Three-position selector switch

Diagram Position 1	Position 2	Position 3	Short Assembly Cat. #	Standard Assembly Cat. #
A1  A2 	A1  A2 	A1  A2 	EMPS069 ②	EMP069 ②
A1  B1  A2  B2 	A1  B1  A2  B2 	A1  B1  A2  B2 	EMPS079 ②	EMP079 ②
A1  B1  A2  B2 	A1  B1  A2  B2 	A1  B1  A2  B2 	EMPS089 ②	EMP089 ②

① Add color symbol for each pilot light from table below.

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

② If desired, markings on indicating plates may be added to catalog number. Select from the list of standard markings below:

Push Button Station Marking

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

‡ LED pilot lights can be furnished in place of standard incandescent pilot lamps. Add suffix LED to end of catalog number after last color symbol.

* Other voltages available. Consult factory. For 24 VDC operation, add suffix S300.

✕ The following suffixes may be used with these catalog numbers: S634 - Momentary contact clockwise, spring return to center; S635 - Momentary contact counter-clockwise, spring return to center.

EMP and EMPS Barrel Assemblies

Cl. I, Div. 1 & 2, Groups B, C, D Explosionproof
 Cl. II, Div. 1, Groups E, F, G Dust-Ignitionproof
 Cl. II, Div. 2, Groups F, G Raintight
 Cl. III Wet Locations
 II 2 G Ex d IIB + H₂, T5 NEMA 3, 7BCD, 9EFG

5C

Group 2: For custom-built control panels.

Illuminated pushbutton†

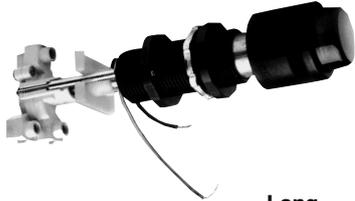


Diagram	Long Assembly Cat. #
120V pilot light	EMP0090 ①
120V pilot light	EMP0098 ①

Maintained Contact Pushbutton



Diagram		Long Assembly Cat. #
Up	Down	
A1 A2	A1 A2	EMP098 ②

①Add color symbol for each pilot light from table below.

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

Two-position selector switch, key operated



Diagram		Key Removal	Short Assembly Cat. #	Standard Assembly Cat. #
Position 1	Position 2			
A1 A2	A1 A2	Both positions Left only Right only	EMPS0491 ② EMPS0492 ② EMPS0493 ②	EMP0491 ② EMP0492 ② EMP0493 ②
A1 B1 A2 B2	A1 B1 A2 B2	Both positions Left only Right only	EMPS0591 ② EMPS0592 ② EMPS0593 ②	EMP0591 ② EMP0592 ② EMP0593 ②

②If desired, markings on indicating plates may be added to catalog number. Select from the list of standard markings below:

Push Button Station Marking

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

Three-position selector switch, key operated

Diagram			Key Removal	Short Assembly Cat. #	Standard Assembly Cat. # ‡
Position 1	Position 2	Position 3			
A1 A2	A1 A2	A1 A2	All Center only Left only Right only	EMPS0691 ② EMPS0692 ② EMPS0693 ② EMPS0694 ②	EMP0691 ② EMP0692 ② EMP0693 ② EMP0694 ②
A1 B1 A2 B2	A1 B1 A2 B2	A1 B1 A2 B2	All Center only Left only Right only	EMPS0791 ② EMPS0792 ② EMPS0793 ② EMPS0794 ②	EMP0791 ② EMP0792 ② EMP0793 ② EMP0794 ②
A1 B1 A2 B2	A1 B1 A2 B2	A1 B1 A2 B2	All Center only Left only Right only	EMPS0891 ② EMPS0892 ② EMPS0893 ② EMPS0894 ②	EMP0891 ② EMP0892 ② EMP0893 ② EMP0894 ②

† LED pilot lights can be furnished in place of standard incandescent pilot lamps. Add suffix LED to end of catalog number after last color symbol.
 ‡ The following suffixes may be used with these catalog numbers: S634 - Momentary contact clockwise, spring return to center; S635 - Momentary contact counter-clockwise, spring return to center.

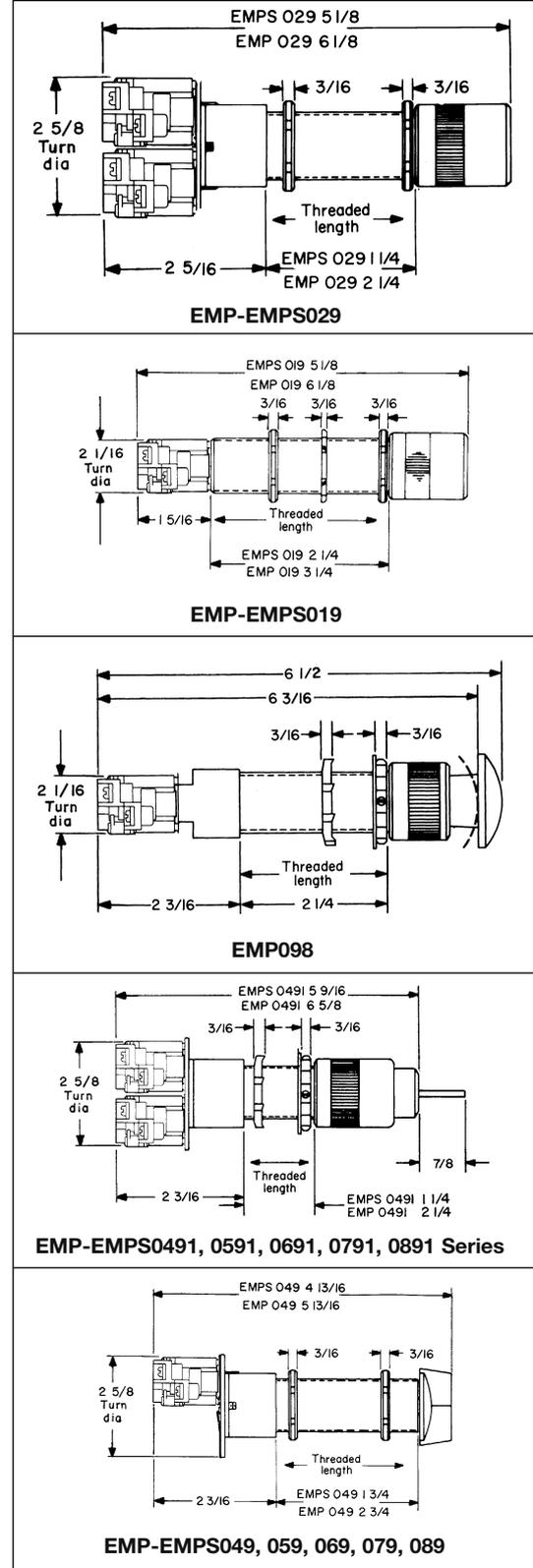
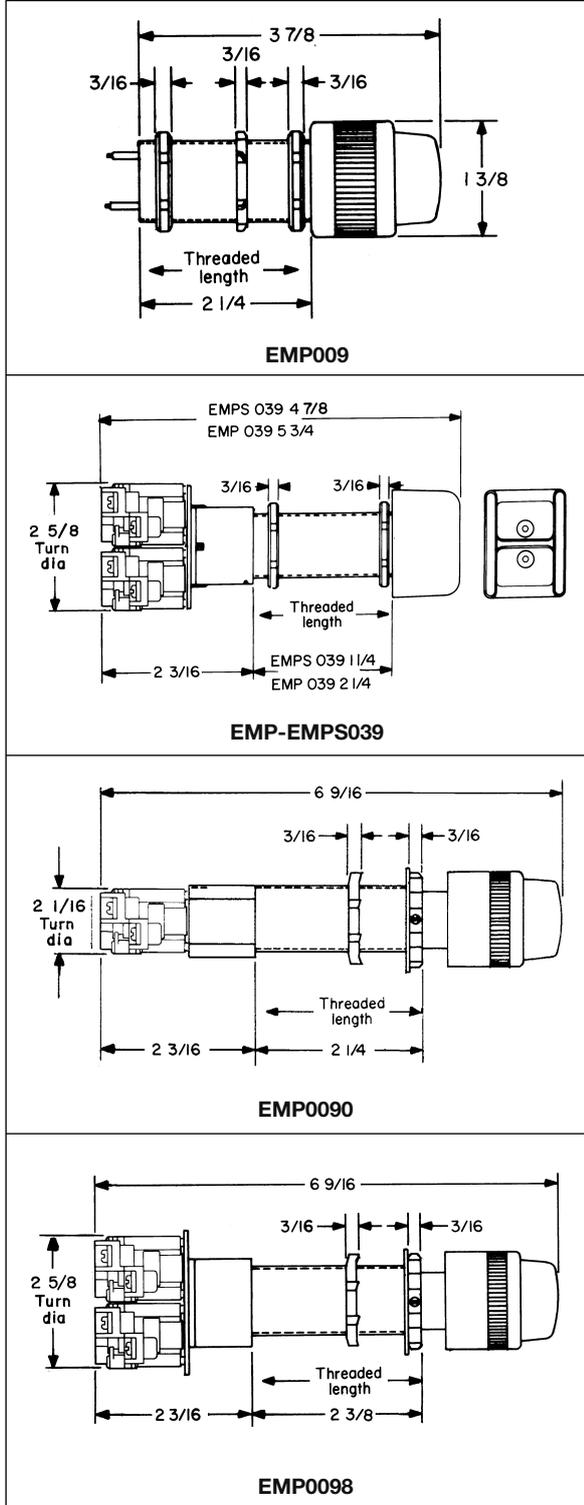


EMP and EMPS Barrel Assemblies

Cl. I, Div. 1 & 2, Groups B, C, D Explosionproof
 Cl. II, Div. 1, Groups E, F, G Dust-Ignitionproof
 Cl. II, Div. 2, Groups F, G Raintight
 Cl. III Wet Locations
 II 2 G Ex d IIB + H₂, T5 NEMA 3, 7BCD, 9EFG

Dimensions* In Inches:

5C



*Dimensions are approximate, not for construction purposes.
 All barrel assemblies are 3/4"-14 NPSM thread size.