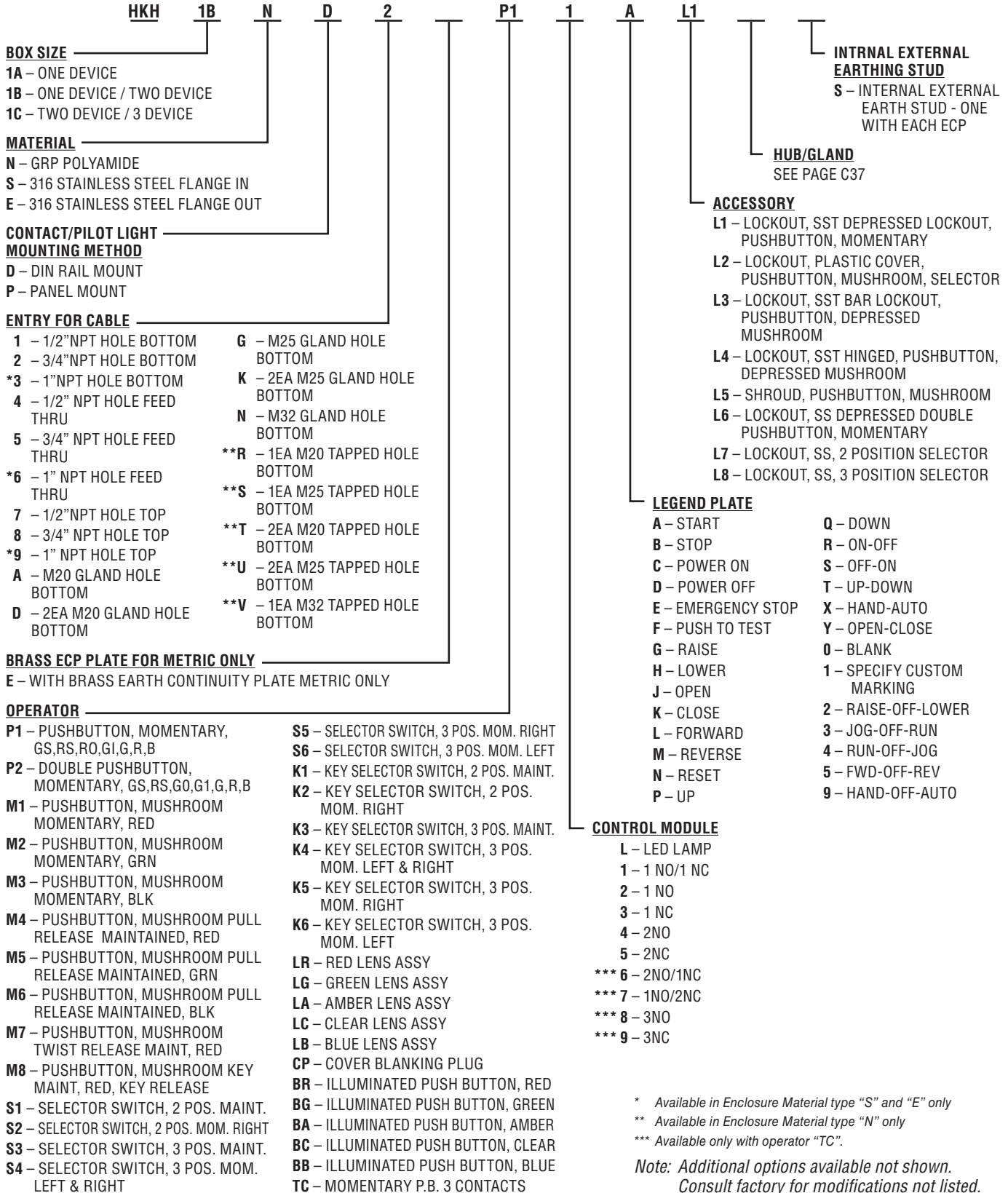




CATALOG LOGIC





FACTORY SEALED CONTROLS - INTRODUCTION



Class I, Div. 1 & 2, Groups B*, C, D
 Class I, Zone 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 7 (C,D) 9 (E,F,G)

Certified File 2493125

Contact Factory for other certification details

FEATURES-SPECIFICATIONS

SEAL-XM™

Applications

Seal-XM™ Factory Sealed push button stations, selector switches, pilot lights and tumbler switches are used to prevent the igniting of external hazardous atmospheres by the enclosed arcing devices in such areas as:

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants and other processing or storage facilities where similar hazards exist
- Use in conjunction with magnetic starters or contactors for remote control of motors

Features

- Incorporates Factory Sealed Universal contact blocks and GOB3 LED pilot light devices
- External sealing fittings typically not required, reducing installation time and cost
- No seal plate between the electrical device and back box allows direct wiring to contact terminals
- Nema 3 weatherproof
- Grounding boss supplied in the splice box
- Sold as complete units 1/2", 3/4" Dead End and thru feed. 1" hubs available on request
- Standard finish is a grey epoxy powder baked on for ultimate corrosion resistance
- More wiring room in back box

Material & Groups

FXCS-*-M Groups C, D Copper free aluminum cover & box
FXCS-*-MB Groups B, C, D Copper free aluminum cover & box
FXCS-*-MBI Groups B, C, D Copper free aluminum cover & ductile iron back box zinc electroplated
FXCS-*-MI Groups C, D Copper free aluminum cover & ductile iron back box zinc electroplated

Stainless steel captive cover screws

Operating shafts stainless steel

* Group "B" (-MB & -MBI) versions need not be sealed within first 60" of conduit. Sealing fitting required beyond 60"



D2CU
Factory Sealed
Contact Block

CONTACT BLOCK CAT. NO. D2CU

USED ON:	DIAGRAM
FXCS-*-M	
FXCS-*-MB	
FXCS-*-MBI	
FXCS-*-MI	

Hazardous Rating:

Class I, Division 2, Groups A,B,C,D Class I, Zone 2, Groups IIB+H2, IIA, T6

Terminal Capacity:

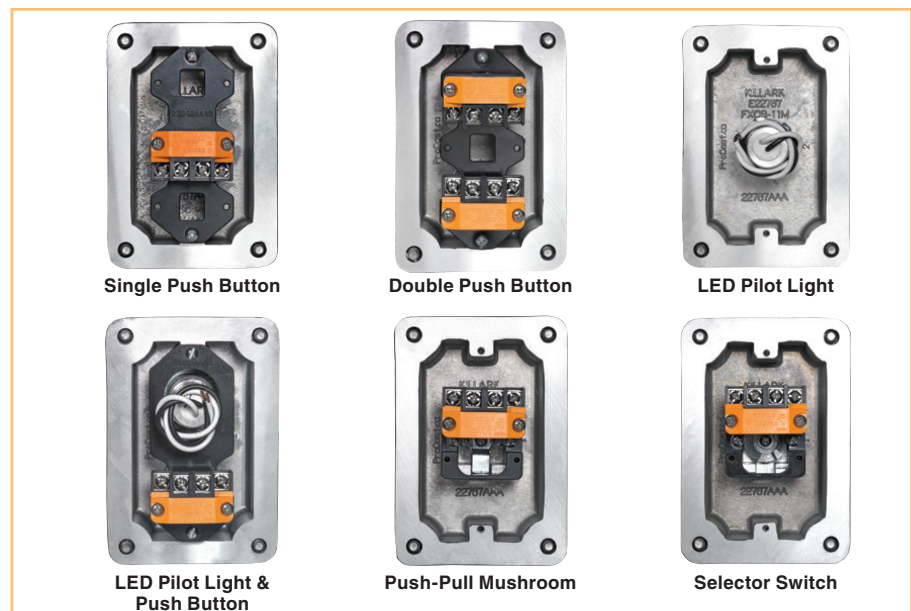
22 thru 12 AWG [0.52-2.5mm²] copper, solid or stranded conductors. Tightening torque: 7 in-lbs. (tolerance +3.0/0.0) [-0.8Nm]

Contact Electrical Ratings:

NEMA A600- 7200 VA (Make), 720 VA (Break), 10 Amps Cont. @600V AC (Thermal)
 NEMA Q300-69 VA (Make & Break), 2.5 Amps Cont. @250V DC (Thermal)

Pilot Light Electrical Ratings:

250 VAC max.



Single Push Button

Double Push Button

LED Pilot Light

LED Pilot Light & Push Button

Push-Pull Mushroom

Selector Switch



FACTORY SEALED CONTROLS - ORDERING INFORMATION 1



Single Push Button



Double Push Button



LED Pilot Light

Class I, Div. 1 & 2, Groups B*, C, D
 Class I, Zone 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 7 (C,D) 9 (E,F,G)

Certified File 2493125

FEATURES-SPECIFICATIONS

SEAL-XM MOMENTARY CONTACT SINGLE PUSH BUTTON					
CATALOG NUMBER		HUB SIZE	DIAGRAM	BUTTON COLOR	LEGEND PLATE MARKING ^②
BOX COVER ^①					
DEAD-END	FEED-THRU				
FXCS-1B1-M	FXCS-4B1-M	1/2"		GREEN	START
FXCS-2B1-M	FXCS-5B1-M	3/4"			
FXCS-1B2-M ^③	FXCS-4B2-M ^③	1/2"		RED	STOP
FXCS-2B2-M ^③	FXCS-5B2-M ^③	3/4"			
FXCS-1B3-M	FXCS-4B3-M	1/2"		BLACK	SPECIFY
FXCS-2B3-M	FXCS-5B3-M	3/4"			

SEAL-XM MOMENTARY CONTACT DOUBLE PUSH BUTTON					
CATALOG NUMBER		HUB SIZE	DIAGRAM	BUTTON COLOR	LEGEND PLATE MARKING ^②
BOX & COVER ^①					
DEAD-END	FEED-THRU				
FXCS-1B4-M	FXCS-4B4-M	1/2"		GREEN/RED	START/STOP
FXCS-2B4-M	FXCS-5B4-M	3/4"			
FXCS-1B5-M	FXCS-4B5-M	1/2"		GREEN/GREEN	SPECIFY
FXCS-2B5-M	FXCS-5B5-M	3/4"			
FXCS-1B7-M	FXCS-4B7-M	1/2"		BLACK/BLACK	SPECIFY
FXCS-2B7-M	FXCS-5B7-M	3/4"			

SEAL-XM LED PILOT LIGHT						
CATALOG NUMBER		HUB SIZE	DIAGRAM	VOLT ^③	LENS COLOR	LEGEND PLATE MARKING ^②
BOX & COVER ^①						
DEAD-END	FEED-THRU					
FXCS-1B24CL-M	FXCS-4B24CL-M	1/2"		120V	CLEAR	SPECIFY
FXCS-2B24CL-M	FXCS-5B24CL-M	3/4"				
FXCS-1B24GL-M	FXCS-4B24GL-M	1/2"		120V	GREEN	SPECIFY
FXCS-2B24GL-M	FXCS-5B24GL-M	3/4"				
FXCS-1B24RL-M	FXCS-4B24RL-M	1/2"		120V	RED	SPECIFY
FXCS-2B24RL-M	FXCS-5B24RL-M	3/4"				

① Replace -M with -MB for Group "B" Rating, -MI for Iron Back Box, -MBI for Group "B" and Iron Back Box.
 ② For other than standard legend plate markings refer to 'Custom Legend Plates' on page C59.
 ③ For other than standard 120V lamp, consult factory, or see page C59 to order lamp voltage desired to be changed in field.
 ④ For lockout on Stop Button, add "-LO" to end of catalog number. i.e. FXCS-1B2-M-LO
 * Group "B" (-MB & -MBI) versions need not be sealed within first 60" of conduit. Sealing fittings required beyond 60".



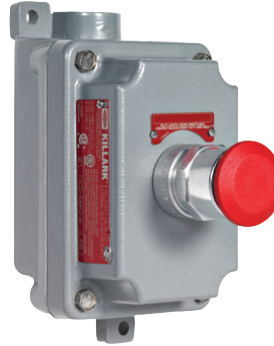
FACTORY SEALED CONTROLS - ORDERING INFORMATION 2



Double LED Pilot Light



Push Button LED Pilot Light



Push/Pull Mushroom

Class I, Div. 1 & 2, Groups B*, C, D
 Class I, Zone 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 7 (C,D) 9 (E,F,G)

Certified File 2493125

FEATURES-SPECIFICATIONS

SEAL-XM DOUBLE LED PILOT LIGHT						
CATALOG NUMBER		HUB SIZE	DIAGRAM	LAMP VOLTS④	LENS COLOR③	LEGEND PLATE MARKING②
BOX & COVER①						
DEAD-END	FEED-THRU					
FXCS-1B30CL-M	FXCS-4B30CL-M	1/2"		120V	CLEAR	SPECIFY
FXCS-2B30CL-M	FXCS-5B30CL-M	3/4"				
FXCS-1B30GL-M	FXCS-4B30GL-M	1/2"		120V	GREEN	SPECIFY
FXCS-2B30GL-M	FXCS-5B30GL-M	3/4"				
FXCS-1B30RL-M	FXCS-4B30RL-M	1/2"		120V	RED	SPECIFY
FXCS-2B30RL-M	FXCS-5B30RL-M	3/4"				
FXCS-1B30RL-GL-M	FXCS-4B30RL-GL-M	1/2"		120V	RED/GREEN	SPECIFY
FXCS-2B30RL-GL-M	FXCS-5B30RL-GL-M	3/4"				

SEAL-XM MOMENTARY CONTACT PUSH BUTTON AND LED PILOT LIGHT								
CATALOG NUMBER		HUB SIZE	DIAGRAM	LAMP VOLTS④	BUTTON COLOR	LENS COLOR③	LEGEND PLATE MARKING②	
BOX & COVER①							BUTTON	LENS
DEAD-END	FEED-THRU							
FXCS-1B13-C-M	FXCS-4B13-C-M	1/2"		120V	RED	CLEAR	STOP	SPECIFY
FXCS-2B13-C-M	FXCS-5B13-C-M	3/4"						
FXCS-1B13-O-M	FXCS-4B13-O-M	1/2"		120V	GREEN	GREEN	START	SPECIFY
FXCS-2B13-O-M	FXCS-5B13-O-M	3/4"						
FXCS-1B13-U-M	FXCS-4B13-U-M	1/2"		120V	BLACK	RED	SPECIFY	SPECIFY
FXCS-2B13-U-M	FXCS-5B13-U-M	3/4"						

SEAL-XM MAINTAINED CONTACT PUSH/PULL MUSHROOM						
CATALOG NUMBER		HUB SIZE	DIAGRAM	BUTTON COLOR	LEGEND PLATE MARKING②	
BOX & COVER①						
DEAD-END	FEED-THRU					
FXCS-1MMG3-M	FXCS-4MMG3-M	1/2"		GREEN	START	
FXCS-2MMG3-M	FXCS-5MMG3-M	3/4"				
FXCS-1MMR3-M⑤	FXCS-4MMR3-M⑤	1/2"		RED	STOP	
FXCS-2MMR3-M⑤	FXCS-5MMR3-M⑤	3/4"				
FXCS-1MMK3-M	FXCS-4MMK3-M	1/2"		BLACK	SPECIFY	
FXCS-2MMK3-M	FXCS-5MMK3-M	3/4"				

① Replace -M with -MB for Group "B" Rating, -MI for Iron Back Box, -MBI for Group "B" and Iron Back Box.

② For other than standard legend plate markings refer to 'Custom Legend Plates' on page C59.

③ Lens colors other than listed may be supplied - consult factory for special order.

④ For other than standard 120V lamp, consult factory, or see page C59 to order lamp voltage desired to be changed in field.

⑤ For lockout on Stop Button, add "-LO" to end of catalog number. i.e. FXCS-1MMR3-M-LO

Note: Four nameplates supplied; EMERG STOP, START, STOP, BLANK.

Operation - when push button is depressed contacts will change state. Operator remains in depressed position until pulled out to normal position.

* Group "B" (-MB & -MBI) versions need not be sealed within first 60" of conduit. Sealing fittings required beyond 60".



FACTORY SEALED CONTROLS - ORDERING INFORMATION 3



Two Position Selector Switch



Three Position Selector Switch

Class I, Div. 1 & 2, Groups B*, C, D
 Class I, Zone 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 7 (C,D) 9 (E,F,G)

 Certified File 2493125

FEATURES-SPECIFICATIONS

SEAL-XM TWO POSITION SELECTOR SWITCH - MAINTAINED CONTACT				
CATALOG NUMBER		HUB SIZE	LEFT POSITION	RIGHT POSITION
BOX & COVER ^①				
DEAD-END	FEED-THRU			
FXCS-1S2A1-M	FXCS-4S2A1-M	1/2"		
FXCS-2S2A1-M	FXCS-5S2A1-M	3/4"		
FXCS-1S2A5-M	FXCS-4S2A5-M	1/2"		
FXCS-2S2A5-M	FXCS-5S2A5-M	3/4"		

SEAL-XM THREE POSITION SELECTOR SWITCH - MAINTAINED CONTACT					
CATALOG NUMBER		HUB SIZE	LEFT POSITION	CENTER POSITION	RIGHT POSITION
BOX & COVER ^①					
DEAD-END	FEED-THRU				
FXCS-1S3C4-M	FXCS-4S3C4-M	1/2"			
FXCS-2S3C4-M	FXCS-5S3C4-M	3/4"			
FXCS-1S3C5-M	FXCS-4S3C5-M	1/2"			
FXCS-2S3C5-M	FXCS-5S3C5-M	3/4"			

SEAL-XM TWO POSITION SELECTOR SWITCH - SPRING RETURN				
CATALOG NUMBER		HUB SIZE	LEFT POSITION	RIGHT POSITION
BOX & COVER ^①				
DEAD-END	FEED-THRU			
FXCS-1S2L3F-M	FXCS-4S2L3F-M	1/2"		
FXCS-2S2L3F-M	FXCS-5S2L3F-M	3/4"		

SELECTOR SWITCH OPERATION - SPRING RETURN TO LEFT FROM RIGHT - MAINTAINED IN LEFT.

SEAL-XM THREE POSITION SELECTOR SWITCH - SPRING RETURN					
CATALOG NUMBER		HUB SIZE	LEFT POSITION	CENTER POSITION	RIGHT POSITION
BOX & COVER ^①					
DEAD-END	FEED-THRU				
FXCS-1S3M6G-M	FXCS-4S3M6G-M	1/2"			
FXCS-2S3M6G-M	FXCS-5S3M6G-M	3/4"			
SPRING RETURN TO CENTER FROM LEFT AND RIGHT - MAINTAINED CENTER					
FXCS-1S3L6G-M	FXCS-4S3L6G-M	1/2"			
FXCS-2S3L6G-M	FXCS-5S3L6G-M	3/4"			
SPRING RETURN TO CENTER FROM RIGHT - MAINTAINED CENTER AND LEFT					
FXCS-1S3R6G-M	FXCS-4S3R6G-M	1/2"			
FXCS-2S3R6G-M	FXCS-5S3R6G-M	3/4"			
SPRING RETURN TO CENTER FROM LEFT - MAINTAINED CENTER AND RIGHT					

① Replace -M with -MB for Group "B" Rating, -MI for Iron Back Box, -MBI for Group "B" and Iron Back Box.
 * Group "B" (-MB & -MBI) versions need not be sealed within first 60" of conduit. Sealing fittings required beyond 60".
 For other than standard marking, see page C59 and order separately or as modified products.
 STANDARD NAMEPLATE MARKINGS – 2 Positions – BLANK & OFF-ON – 3 Position – BLANK or HAND-OFF-AUTO



FACTORY SEALED CONTROLS - ORDERING INFORMATION 4



Keyed Selector Switch

Class I, Div. 1 & 2, Groups B*, C, D
 Class I, Zone 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 7 (C,D) 9 (E,F,G)

Certified File 2493125

FEATURES-SPECIFICATIONS

SEAL-XM TWO POSITION KEYED SELECTOR SWITCH - MAINTAINED CONTACT				
CATALOG NUMBER		HUB SIZE	LEFT POSITION	RIGHT POSITION
BOX & COVER ^①				
DEAD-END	FEED-THRU			
FXCS-1K2A1-M	FXCS-4K2A1-M	1/2"		
FXCS-2K2A1-M	FXCS-5K2A1-M	3/4"		
FXCS-1K2A5-M	FXCS-4K2A5-M	1/2"		
FXCS-2K2A5-M	FXCS-5K2A5-M	3/4"		

SEAL-XM THREE POSITION KEYED SELECTOR SWITCH - MAINTAINED CONTACT					
CATALOG NUMBER		HUB SIZE	LEFT POSITION	CENTER POSITION	RIGHT POSITION
BOX & COVER ^①					
DEAD-END	FEED-THRU				
FXCS-1K3C4-M	FXCS-4K3C4-M	1/2"			
FXCS-2K3C4-M	FXCS-5K3C4-M	3/4"			
FXCS-1K3C5-M	FXCS-4K3C5-M	1/2"			
FXCS-2K3C5-M	FXCS-5K3C5-M	3/4"			

SEAL-XM TWO POSITION KEYED SELECTOR SWITCH - SPRING RETURN				
CATALOG NUMBER		HUB SIZE	LEFT POSITION	RIGHT POSITION
BOX & COVER ^①				
DEAD-END	FEED-THRU			
FXCS-1K2L3F22D-M	FXCS-4K2L3F22D-M	1/2"		
FXCS-2K2L3F22D-M	FXCS-5K2L3F22D-M	3/4"		

SELECTOR SWITCH OPERATION - SPRING RETURN TO LEFT FROM RIGHT - MAINTAINED IN LEFT.

SEAL-XM THREE POSITION KEYED SELECTOR SWITCH - SPRING RETURN					
CATALOG NUMBER		HUB SIZE	LEFT POSITION	CENTER POSITION	RIGHT POSITION
BOX & COVER ^①					
DEAD-END	FEED-THRU				
FXCS-1K3M6G32D-M	FXCS-4K3M6G32D-M	1/2"			
FXCS-2K3M6G32D-M	FXCS-5K3M6G32D-M	3/4"			

SELECTOR SWITCH - OPERATION - SPRING RETURN TO CENTER FROM LEFT AND RIGHT - MAINTAINED IN CENTER

FXCS-1K3L6G32D-M	FXCS-4K3L6G32D-M	1/2"			
FXCS-2K3L6G32D-M	FXCS-5K3L6G32D-M	3/4"			

SELECTOR SWITCH - OPERATION - SPRING RETURN TO CENTER FROM RIGHT - MAINTAINED CENTER AND LEFT

FXCS-1K3R6G32D-M	FXCS-4K3R6G32D-M	1/2"			
FXCS-2K3R6G32D-M	FXCS-5K3R6G32D-M	3/4"			

SELECTOR SWITCH - OPERATION - SPRING RETURN TO CENTER FROM LEFT - MAINTAINED CENTER AND RIGHT

① Replace -M with -MB for Group "B" Rating, -MI for Iron Back Box, -MBI for Group "B" and Iron Back Box.

* Group "B" (-MB & -MBI) versions need not be sealed within first 60" of conduit. Sealing fittings required beyond 60". Randomly Keyed. For keyed alike Maintained Contact Switch add "A" to cat. No. ie. FXCS-1K2A1A-M. For keyed alike Spring Return Switch replace "D" with "A" in cat. No. ie. FXCS-1K2L3F22A-M

For other than standard marking, see page C59 and order separately or as modified products.

STANDARD NAMEPLATE MARKINGS – 2 Positions – BLANK & OFF-ON – 3 Positon – BLANK or HAND-OFF-AUTO



FACTORY SEALED CONTROLS



Class I, Div. 1 & 2, Groups C,D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E,F,G
 Class III
 NEMA 3, 7(C,D) 9(E,F,G)

UL LISTED - File E53360

SP Certified - File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

FXCS Series Factory Sealed push button stations, selector switches, pilot lights and tumbler switches are used to prevent the igniting of external hazardous atmospheres by the enclosed arcing devices in such areas as:

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants and other processing or storage facilities where similar hazards exist
- Use in conjunction with magnetic starters or contactors for remote control of motors

Features

- Elimination of external sealing requirements
- Lower installation cost
- Nema 3 weatherproof
- Color coded wiring-more wiring space-easier field installation
- Stainless steel captive screws for cover assembly
- Lockout accessory available must be factory installed.

- Ground boss for grounding in the splice box
- Device bodies and covers are cast copper-free aluminum alloy
- Cast conduit hubs 1/2", 3/4" and 1" either dead end or feed through standard in both single and two gang assemblies
- Push button, selector switches and pilot light bodies are copper-free aluminum
- Operating shaft in both push buttons and selector switches are stainless steel
- Miniature and standard size push buttons. (Miniature 3/4" overall diameter, standard 1 3/8" overall diameter)

Factory Sealed devices eliminate the need for external sealing. The difference is the use of a sealing plate between the arcing device and the junction box. The sealing plate confines ignited gases, vapors, flames, or dust to the arcing device chamber, preventing them from traveling through the conduit system. Accurately ground flanges on both sides of the sealing plate provide flame-tight joints. Factory poured seals around the wiring pigtails insure safe sealing. (FXCS Series)

Electrical Rating

Push button stations, selector switches 600 VAC max. heavy duty.

Pilot Light Electrical Ratings:
 250 VAC max.

CONTACT BLOCK RATINGS – A600				
CURRENT	120 VAC	240 VAC	480 VAC	600 VAC
INRUSH	60	30	15	12
BREAKING	6	3	1.5	1.2
CARRYING	10	10	10	10

DC RATINGS (MAX. AMPS) – P600		
CURRENT	125 VDC	250 VDC
INRUSH	.55	.27
BREAKING	.55	.27
CARRYING	2.55	2.55

MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
AL	PILOT LIGHT LENS-AMBER
CL	PILOT LIGHT LENS-CLEAR
GL	PILOT LIGHT LENS-GREEN
RL	PILOT LIGHT LENS-RED
MR	MUSHROOM HEAD-PUSH BUTTON (RED)
LO	PUSH BUTTON LOCKOUT
LOP	SELECTOR SWITCH-PADLOCK LOCKOUT

LED lamps available. See page C59.

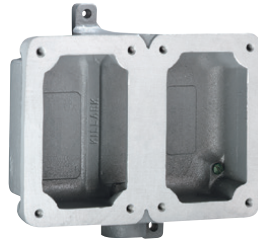


FACTORY SEALED SPLICE BOXES / SEALING METHODS

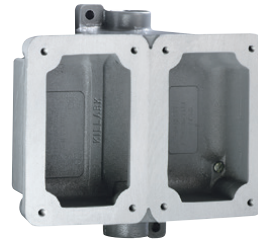


FXB-2
Dead End

FXB-5
Feed Thru



FXB-8
Double Gang Dead End



FXB-11
Double Gang Feed Thru

Class I, Div. 1 & 2, Groups C,D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. I & 2, Groups E,F,G
 Class III
 NEMA 3, 7(C,D) 9(E,F,G)

LISTED - File E53360

Certified- File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

Splice Boxes

The FXB Series of splice boxes are designed for use with the FXCS and FXS Series of cover sub-assemblies.

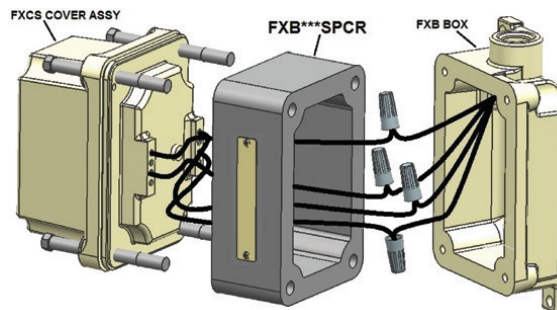
FXB BACK BOX SELECTION AND DIMENSIONS							
CATALOG NUMBER	DESCRIPTION	HUB SIZE	EXTERNAL			MOUNTING	
			LENGTH	WIDTH	DEPTH	VERTICAL	HORIZONTAL
FXB-1	SINGLE GANG/DEAD-END	1/2"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-2	SINGLE GANG/DEAD-END	3/4"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-3	SINGLE GANG/DEAD-END	1"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-4	SINGLE GANG/FEED-THRU	1/2"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-5	SINGLE GANG/FEED-THRU	3/4"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-6	SINGLE GANG/FEED-THRU	1"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-7	DOUBLE GANG/DEAD-END	1/2"	6-13/16"	7-17/32"	2	6-3/16"	2-1/4"
FXB-8	DOUBLE GANG/DEAD-END	3/4"	6-13/16"	7-17/32"	2	6-3/16"	2-1/4"
FXB-9	DOUBLE GANG/DEAD-END	1"	7	7-17/32"	2	6-3/16"	2-1/4"
FXB-10	DOUBLE GANG/FEED-THRU	1/2"	6-13/16"	7-17/32"	2	6-3/16"	2-1/4"
FXB-11	DOUBLE GANG/FEED-THRU	3/4"	6-13/16"	7-17/32"	2	6-3/16"	2-1/4"
FXB-12	DOUBLE GANG/FEED-THRU	1"	7	7-17/32"	2	6-3/16"	2-1/4"

FXB BLANK COVER	
CATALOG NUMBER	DESCRIPTION
FX-10	BLANK COVER FOR FXB



FXB SPACER ①	
CATALOG NUMBER	DESCRIPTION
FXB075SPCR	SPACER, 3/4" ADDITIONAL DEPTH
FXB10SPCR	SPACER, 1" ADDITIONAL DEPTH
FXB15SPCR	SPACER, 1 1/2" ADDITIONAL DEPTH
FXB20SPCR	SPACER, 2" ADDITIONAL DEPTH

① When using FXB spacers, application of hazardous area derates control station to Class I Div. 2, Class II, III Grps. C,D,E,F,G hazardous locations only





FACTORY SEALED COVER ASSEMBLIES



2 Gang Box and Two Cover Assemblies

Class I, Div. 1 & 2, Groups C,D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. I & 2, Groups E, F, G
 Class III
 NEMA 3, 7(C,D) 9(E,F,G)

LISTED - File E53360 and/or E12379
 Certified - File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

FXCS MOMENTARY CONTACT SINGLE PUSH BUTTON						
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		HUB SIZE	DIAGRAM	BUTTON COLOR	NAMEPLATE MARKING ^①
	DEAD-END	FEED-THRU				
FXCS-0B1	FXCS-1B1	FXCS-4B1	1/2"		GREEN	START
	FXCS-2B1	FXCS-5B1	3/4"			
FXCS-0B2	FXCS-1B2	FXCS-4B2	1/2"		RED	STOP
	FXCS-2B2	FXCS-5B2	3/4"			
FXCS-0B3	FXCS-1B3	FXCS-4B3	1/2"		BLACK	SPECIFY
	FXCS-2B3	FXCS-5B3	3/4"			

FXCS MOMENTARY CONTACT DOUBLE PUSH BUTTON						
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		HUB SIZE	DIAGRAM	BUTTON COLOR	NAMEPLATE MARKING ^①
	DEAD-END	FEED-THRU				
FXCS-0B4	FXCS-1B4	FXCS-4B4	1/2"		GREEN/RED	START/STOP
	FXCS-2B4	FXCS-5B4	3/4"			
FXCS-0B4U	FXCS-1B4-U	FXCS-4B4-U	1/2"		GREEN/RED	START/STOP
	FXCS-2B4-U	FXCS-5B4-U	3/4"			
FXCS-0B5	FXCS-1B5	FXCS-4B5	1/2"		GREEN/GREEN	SPECIFY
	FXCS-2B5	FXCS-5B5	3/4"			
FXCS-0B7	FXCS-1B7	FXCS-4B7	1/2"		BLACK/BLACK	SPECIFY
	FXCS-2B7	FXCS-5B7	3/4"			

FXCS PILOT LIGHT							
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		HUB SIZE	DIAGRAM	VOLT	LENS COLOR ^②	NAMEPLATE MARKING ^①
	DEAD-END	FEED-THRU					
FXCS-0B24CL	FXCS-1B24-CL	FXCS-4B24-CL	1/2"		120V	CLEAR	SPECIFY
	FXCS-2B24-CL	FXCS-5B24-CL	3/4"				
FXCS-0B24GL	FXCS-1B24-GL	FXCS-4B24-GL	1/2"		120V	GREEN	SPECIFY
	FXCS-2B24-GL	FXCS-5B24-GL	3/4"				
FXCS-0B24RL	FXCS-1B24-RL	FXCS-4B24-RL	1/2"		120V	RED	SPECIFY
	FXCS-2B24-RL	FXCS-5B24-RL	3/4"				

^① For other than standard marking, see page C59 and order separately or as modified products.

^② Lens colors other than listed may be specified by changing lens color suffix. See modifications page C44.

NOTE: Boxes and covers shipped separately.

* For control stations with 1" conduit openings or for double gang assemblies, order cover with device and box as separate components.



FACTORY SEALED CONTROL STATION COVER ASSEMBLIES



Pilot Light and 2 Mini P.B.
(Box and Cover)



Double Pilot Lights
(Box and Cover)



Maintained Push Button
(Box and Cover)

Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. I & 2, Groups E, F, G Class III
NEMA 3, 7 (C, D) 9 (E, F, G)

UL LISTED - File E53360 and /or E12379

SP Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

FXCS DOUBLE PILOT LIGHTS							
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		HUB SIZE	DIAGRAM	LAMP VOLTS	LENS COLOR ^②	NAMEPLATE MARKING ^①
	DEAD-END	FEED-THRU					
FXCS-0B30CL	FXCS-1B30-CL	FXCS-4B30-CL	1/2"		120V	CLEAR	SPECIFY
	FXCS-2B30-CL	FXCS-5B30-CL	3/4"				
FXCS-0B30GL	FXCS-1B30-GL	FXCS-4B30-GL	1/2"		120V	GREEN	SPECIFY
	FXCS-2B30-GL	FXCS-5B30-GL	3/4"				
FXCS-0B30RL	FXCS-1B30-RL	FXCS-4B30-RL	1/2"		120V	RED	SPECIFY
	FXCS-2B30-RL	FXCS-5B30-RL	3/4"				
FXCS-0B30RL-GL	FXCS-1B30RL-GL	FXCS-4B30RL-GL	1/2"		120V	RED/GREEN	SPECIFY
	FXCS-2B30RL-GL	FXCS-5B30RL-GL	3/4"				

FXCS MOMENTARY CONTACT PUSH BUTTON AND PILOT LIGHT									
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		HUB SIZE	DIAGRAM	LAMP VOLTS	BUTTON COLOR	LENS COLOR ^②	NAMEPLATE MARKING ^①	
	DEAD-END	FEED-THRU						BUTTON	LENS
FXCS-0B13-C	FXCS-1B13-C	FXCS-4B13-C	1/2"		120V	RED	CLEAR	STOP	SPECIFY
	FXCS-2B13-C	FXCS-5B13-C	3/4"						
FXCS-0B13-0	FXCS-1B13-0	FXCS-4B13-0	1/2"		120V	GREEN	GREEN	START	SPECIFY
	FXCS-2B13-0	FXCS-5B13-0	3/4"						
FXCS-0B13-U	FXCS-1B13-U	FXCS-4B13-U	1/2"		120V	BLACK	RED	SPECIFY	SPECIFY
	FXCS-2B13-U	FXCS-5B13-U	3/4"						

FXCS MOMENTARY CONTACT 2 MINI PUSH BUTTON AND 1 PILOT LIGHT								
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		HUB SIZE	DIAGRAM	BUTTON COLOR	LENS COLOR ^②	NAMEPLATE MARKING ^①	
	DEAD-END	FEED-THRU					BUTTON	LENS
FXCS-0A15	FXCS-1A15	FXCS-4A15	1/2"		RED/GREEN	RED	STOP	START
	FXCS-2A15	FXCS-5A15	3/4"					

FXCS MAINTAINED CONTACT - PUSH/PULL MUSHROOM ^④				
BUTTON COLOR	CONTACT TYPE	COVER ASSEMBLY CAT. #	CATALOG # WITH LOCKOUT #	NAMEPLATE MARKING
GREEN	1NO/1NC	FXCS-OMMG3	FXCS-OMMR3-LOM	③
RED	1NO/1NC	FXCS-OMMR3		
BLACK	1NO/1NC	FXCS-OMMK3		

① For other than standard marking, see page C59 and order separately or as modified products.
 ② Lens colors other than listed may be specified by changing lens color suffix. See modifications page C44.
 ③ Three nameplates supplied (Start/Stop, Blank, Emergency Stop) with FXCS maintained push button.
 ④ Operation-when push button is depressed and contacts activated, operator will remain in depressed position until pulled out to normal position.
 NOTE: Boxes and covers shipped separately.
 * For control stations with 1" conduit opening or for double gang assemblies, order cover with device and box as separate components.



FACTORY SEALED COVER ASSEMBLIES



Selector Switch
(Box and Cover)



Keyed Selector Switch
(Box and Cover)

Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. I & 2, Groups E, F, G Class III
NEMA 3, 7 (C, D) 9 (E, F, G)

LISTED - File E53360 and/or E12379

Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

FXCS TWO POSITION SELECTOR SWITCH – MAINTAINED CONTACT ^①										
CATALOG NUMBER							LEFT POSITION		RIGHT POSITION	
STANDARD COVER WITH DEVICE	HUB SIZE	STANDARD COMPLETE UNITS (BOX & COVER)		KEYED COVER WITH DEVICE	KEYED COMPLETE UNITS ^② (BOX & COVER)		LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT
		DEAD-END	FEED-THRU		DEAD-END	FEED-THRU				
FXCS-0S2A1	1/2"	FXCS-1S2A1	FXCS-4S2A1	FXCS-0K2A1	FXCS-1K2A1	FXCS-4K2A1				
FXCS-0S2A1	3/4"	FXCS-2S2A1	FXCS-5S2A1		FXCS-2K2A1	FXCS-5K2A1				
FXCS-0S2A5	1/2"	FXCS-1S2A5	FXCS-4S2A5	FXCS-0K2A5	FXCS-1K2A5	FXCS-4K2A5				
FXCS-0S2A5	3/4"	FXCS-2S2A5	FXCS-5S2A5		FXCS-2K2A5	FXCS-5K2A5				

FXCS THREE POSITION SELECTOR SWITCH – MAINTAINED CONTACT ^①												
CATALOG NUMBER							LEFT POSITION		CENTER POSITION		RIGHT POSITION	
STANDARD COVER WITH DEVICE	HUB SIZE	STANDARD COMPLETE UNITS (BOX & COVER)		KEYED COVER WITH DEVICE	KEYED COMPLETE UNITS ^② (BOX & COVER)		LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT
		DEAD-END	FEED-THRU		DEAD-END	FEED-THRU						
FXCS-0S3C4	1/2"	FXCS-1S3C4	FXCS-4S3C4	FXCS-0K3C4	FXCS-1K3C4	FXCS-4K3C4						
FXCS-0S3C4	3/4"	FXCS-2S3C4	FXCS-5S3C4		FXCS-2K3C4	FXCS-5K3C4						
FXCS-0S3C5	1/2"	FXCS-1S3C5	FXCS-4S3C5	FXCS-0K3C5	FXCS-1K3C5	FXCS-4K3C5						
FXCS-0S3C5	3/4"	FXCS-2S2A5	FXCS-5S3C5		FXCS-2K3C5	FXCS-5K3C5						

FXCS TWO POSITION SELECTOR SWITCH – SPRING RETURNED – 1 N.O./1 N.C. ^①										
CATALOG NUMBER							LEFT POSITION		RIGHT POSITION	
STANDARD COVER WITH DEVICE	HUB SIZE	STANDARD COMPLETE UNITS (BOX & COVER)		KEYED COVER WITH DEVICE	KEYED COMPLETE UNITS ^② (BOX & COVER)		LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT
		DEAD-END	FEED-THRU		DEAD-END	FEED-THRU				
FXCS-0S2L3F	1/2"	FXCS-1S2L3F	FXCS-4S2L3F	FXCS-0K2L3F22D	FXCS-1K2L3F22D	FXCS-4K2L3F22D				
FXCS-0S2L3F	3/4"	FXCS-2S2L3F	FXCS-5S2L3F		FXCS-2K2L3F22D	FXCS-5K2L3F22D				

TYPE OPERATION – Spring return to left from right – Maintained in left – 1 N.O. Contact – 1 N.C. Contact

FXCS THREE POSITION SELECTOR SWITCH – SPRING RETURNED – 2 N.O. ^①												
CATALOG NUMBER							LEFT POSITION		CENTER POSITION		RIGHT POSITION	
STANDARD COVER WITH DEVICE	HUB SIZE	STANDARD COMPLETE UNITS (BOX & COVER)		KEYED COVER WITH DEVICE	KEYED COMPLETE UNITS ^② (BOX & COVER)		LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT
		DEAD-END	FEED-THRU		DEAD-END	FEED-THRU						
FXCS-0S3M6G	1/2"	FXCS-1S3M6G	FXCS-4S3M6G	FXCS-0K3M6G32D	FXCS-1K3M6G32D	FXCS-4K3M6G32D						
FXCS-0S3M6G	3/4"	FXCS-2S3M6G	FXCS-5S3M6G		FXCS-2K3M6G32D	FXCS-5K3M6G32D						
FXCS-0S3L6G	1/2"	FXCS-1S3L6G	FXCS-4S3L6G	FXCS-0K3L6G32D	FXCS-1K3L6G32D	FXCS-4K3L6G32D						
FXCS-0S3L6G	3/4"	FXCS-2S3L6G	FXCS-5S3L6G		FXCS-2K3L6G32D	FXCS-5K3L6G32D						
FXCS-0S3R6G	1/2"	FXCS-1S3R6G	FXCS-4S3R6G	FXCS-0K3R6G32D	FXCS-1K3R6G32D	FXCS-4K3R6G32D						
FXCS-0S3R6G	3/4"	FXCS-2S3R6G	FXCS-5S3R6G		FXCS-2K3R6G32D	FXCS-5K3R6G32D						

TYPE OPERATION – Spring return to center from left or right – Maintained in center – 2 N.O. Contacts

TYPE OPERATION – Spring return to center from right – Maintained center and left 2 N.O. Contacts

TYPE OPERATION – Spring return to center from left – Maintained center and right 2 N.O. Contacts

① For other than standard marking, see page C59 and order separately or as modified products.

STANDARD NAMEPLATE MARKINGS – 2 Position – BLANK or OFF-ON – 3 Position – BLANK or HAND-OFF-AUTO.

② Key operated selector switches are randomly keyed with keys removable in all positions. For keyed alike or key removable in other than all positions contact factory. For control stations with 1" conduit opening or for double gang assemblies, order cover with device and box as separate components.



CONTROLS

FACTORY SEALED TUMBLER SWITCHES AND GROUND FAULT INTERRUPTER



Tumbler Switch Complete Unit (Box and Cover)



Ground Fault Interrupter Complete Unit (Box and Cover)



For GFI Protection with Receptacle, See page PR20

Class I, Div. 1 & 2, Groups C, D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 7 (C, D) 9 (E, F, G)

FEATURES-SPECIFICATIONS

Applications

FXS Tumbler Switches are suitable for applications where making, breaking or changing connections in an electrical circuit is required and where conditions of load do not exceed the switch ratings.

- File E53360 and/or Ffile E10501

- File LR11712
 See files for details or call Killark.

Applications

FXS Ground Fault Interrupters are designed to interrupt a circuit when a ground fault is detected on equipment which may be handled by personnel in hazardous locations.

Features

- Test and Reset push buttons are provided on cover assembly. Unit should be tested monthly
- Includes new GFI to meet latest UL943 GFCI standards revisions
- Exterior gasket provides NEMA 3 weatherproof protection
- Ground boss for grounding in the splice box
- Color coded wiring
- Captive cover bolts are made from stainless steel

Electrical Rating

GFI units are rated at 20A, 120 VAC, 60HZ. Class A.
 4-6 milliamp trip setting
 Trip Time-UL Curve

- File E80595

- File LR61895
 See files for details or call Killark.

FXS TUMBLER SWITCHES					
CATALOG NUMBER			HUB SIZE	SWITCH STYLE	SWITCH RATING 120/277 VAC, 1Ø
COVER WITH SWITCH	COMPLETE UNIT (BOX, COVER AND SWITCH)				
	DEAD-END	FEED-THRU			
FXS-1C	FXS-11C	FXS-41C	1/2"	1-POLE	20 AⓂ
	FXS-21C	FXS-51C	3/4"		
FXS-2C	FXS-12C	FXS-42C	1/2"	2-POLE	20 AⓂ
	FXS-22C	FXS-52C	3/4"		
FXS-8C	FXS-18C	FXS-48C	1/2"	3-POLE	Ⓜ
	FXS-28C	FXS-58C	3/4"		
FXS-3C	FXS-13C	FXS-43C	1/2"	3-WAY/ SPDT (NO OFF)	20 AⓂ
	FXS-23C	FXS-53C	3/4"		
FXS-5C	FXS-15C	FXS-45C	1/2"	SPDT (CENTER OFF)	20 AⓂ
	FXS-25C	FXS-55C	3/4"		
FXS-6C	FXS-16C	FXS-46C	1/2"	DPDT (NO OFF)	20 AⓂ
	FXS-26C	FXS-56C	3/4"		
FXS-1D	FXS-11D	FXS-41D	1/2"	1-POLE	30 AⓂ
	FXS-21D	FXS-51D	3/4"		
FXS-2D	FXS-12D	FXS-42D	1/2"	2-POLE	30 AⓂ
	FXS-22D	FXS-52D	3/4"		
FXS-4C	—	—	—	4-WAY	20 AⓂ

Ⓜ Rated 15 amperes, 240/480 VAC., 3Ø; 3HP-240 VAC., 5 HP-480 VAC.

Ⓜ Horsepower rated 1 HP at 120 VAC, 2 HP at 240 VAC.

FXS GROUND FAULT INTERRUPTER†				
CATALOG NUMBER			HUB SIZE	
COMPLETE UNIT	COVER ASSEMBLY	BACK BOX*	DEAD END	1/2"
FXS-GFI-1020	FXS-GFI03	FXB-1		DEAD END
FXS-GFI-2020	FXS-GFI03	FXB-2	1"	
FXS-GFI-3020	FXS-GFI03	FXB-3	FEED THRU	
FXS-GFI-1120	FXS-GFI03	FXB-4		3/4"
FXS-GFI-2120	FXS-GFI03	FXB-5		1"
FXS-GFI-3120	FXS-GFI03	FXB-6		

For control stations with 1" conduit opening or for double gang assemblies, order cover with device and box as separate components.

* Boxes and covers shipped separately.

† See page DE25 for additional ground fault control stations.

FXS GROUND FAULT INTERRUPTER WITH LED LAMP	
CATALOG NUMBER FOR COVER ASSEMBLY	FXS-GFI03PL

* Order FXB back box as separate item.



CONTROL STATIONS EXTERNAL SEALING REQUIRED



Class I, Div. 1 & 2, Groups C, D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 7 (C, D) 9 (E, F, G)

LISTED - File E53360

Certified - File LR11714, LR11712
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fiber or flyings
- Installations at petroleum refineries, chemical and petrochemical plants and other processing or storage facilities where similar hazards exist
- Use in conjunction with magnetic starters or contactors for remote control of motors

Features

- Device bodies and covers are cast copperfree Aluminum alloy and provide a wide assortment for custom assemblies
- Cast conduit hubs 1/2", 3/4" and 1" either dead end or feed thru standard in both single and two gang, SWB-1 thru SWB-12 device bodies
- SWB-13 thru SWB-38 are designed for custom drilled and tapped conduit openings on all four sides and the back
- Ground flange joint between bolted cover and box provide required flame path
- Push button, selector switches and pilot light operator bodies are copper-free aluminum
- Operating shaft in both push buttons and selector switches are stainless steel
- Open space between gangs for easy wiring from one cover to another

- Miniature and standard size push buttons. (Miniature 3/4" overall diameter, standard 1-3/8" overall diameter.)
- Contact blocks are rated heavy duty, 600 VAC max
- Internal ground screw

Electrical Rating

Push button stations, selector switches heavy duty 600 VAC max.
 Pilot lights 250 VAC max.

XCS Special Assemblies

To order XCS cover assemblies for use with multi-gang or 1" hub type SWB Series splice boxes, simply order as follows:

- Example: **XCS-0B1** – Cover Assembly
SWB-6 – Splice box with 1" feed thru hubs
- Example: **XCS-0B1** – Cover Assembly
XCS-0B24-RL – Cover Assembly
SWB-12 – Double gang splice box

NOTE: Splice boxes and cover assemblies are packaged in separate cartons.

MODIFICATIONS	
CATALOG SUFFIX	DESCRIPTION
AL	Pilot light lens-amber
CL	Pilot light lens-clear
GL	Pilot light lens-green
RL	Pilot light lens-red
T2	ⓈPilot light transformer – 220/110VAC
T4	ⓈPilot light transformer – 440/110VAC
MR	Mushroom head push button (red)
LO	Push button lockoutⓈ
LOP	Selector switch padlock-lockout
SU1	Stainless steel cover screws

Ⓢ One transformer required for each pilot light. Deep device bodies required for all except single pilot light units when transformers are used.
 Ⓢ Push button lockout must be factory installed. LED lamps available. See page C59.

CONTACT BLOCK RATINGS – A600				
CURRENT	120 VAC	240 VAC	480 VAC	600 VAC
INRUSH	60	30	15	12
BREAKING	6	3	1.5	1.2
CARRYING	10	10	10	10

DC RATINGS (MAX. AMPS) – P600		
CURRENT	125 VAC	250 VAC
INRUSH	55	.27
BREAKING	55	.27
CARRYING	2.55	2.55

CONTROLS

SWB SERIES



DEVICE BODIES FOR USE WITH XCS / XS / XST COVER ASSEMBLIES



Dead End
SWB-1-2-3^③



Feed Thru
SWB-4-5-6^③



Dead End
SWB-7-8-9^③



SWB-13-14



SWB-17



Feed Thru
SWB-10-11-12^③

SWB-18

Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III
NEMA 7 (C, D) 9 (E, F, G)

UL LISTED - File E53360

SP Certified - LR11712
See files for details or call Killark.

FEATURES-SPECIFICATIONS



SWB-19



SWB-20



SWB-21



SWB-32



SWB-33



SWB-34



SWB-38



SWB-42
(3/4" Dead End)
SWB-45
(3/4" Feed Thru)
SWB-48
(Two 1/2" on Bottom)
SWB-49
(Two 3/4" on Bottom)

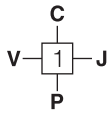
SWB DEVICE BODIES AND DIMENSIONS						
CATALOG NUMBER	HUB SIZE	EXTERNAL			MOUNTING	
		LENGTH	WIDTH	DEPTH	VERTICAL	HORIZONTAL
SWB-1	1/2"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-2	3/4"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-3	1"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-4	1/2"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-5	3/4"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-6	1"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-7	1/2"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-8	3/4"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-9	1"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-10	1/2"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-11	3/4"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-12	1"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-13	①	5-1/4"(133)	3-5/8"(92)	2-1/2"(64)	6-1/8"(156)	2-3/8"(60)
SWB-14	②	5-1/4"(133)	3-5/8"(92)	3-5/16"(84)	6-1/8"(156)	2-3/8"(60)
SWB-17	①	10-3/8"(264)	3-5/8"(92)	2-1/2"(64)	11-3/8"(289)	2-1/8"(54)
SWB-18	②	5-1/4"(133)	7-1/8"(181)	3-5/16"(84)	6"(152)	5-3/4"(146)
SWB-19	②	5-1/4"(133)	10-5/8"(270)	3-5/16"(84)	6"(152)	9-3/16"(233)
SWB-20	②	5-1/4"(133)	14-1/8"(359)	3-5/16"(84)	6"(152)	12-11/16"(322)
SWB-21	②	5-1/4"(133)	17-5/8"(448)	3-5/16"(84)	6"(152)	16-3/16"(411)
SWB-32	②	12"(305)	10-5/8"(270)	3-5/16"(84)	11-1/8"(283)	9-3/16"(233)
SWB-33	②	10-3/8"(264)	14-1/8"(359)	3-5/16"(84)	11-3/16"(284)	12-3/4"(324)
SWB-34	②	12"(305)	17-3/4"(451)	3-5/16"(84)	11-5/16"(287)	16-1/4"(413)
SWB-38	②	17-1/8"(435)	17-3/4"(451)	3-5/16"(84)	11-5/16"(287)	16-1/4"(413)
SWB-42	3/4"	5-1/4"(133)	3-5/8"(92)	3-5/16"(84)	6-1/8"(156)	2-3/8"(60)
SWB-45	3/4"	5-1/4"(133)	3-5/8"(92)	3-5/16"(84)	6-1/8"(156)	2-3/8"(60)
SWB-48	1/2" ②	5-1/4"(133)	3-5/8"(92)	3-5/16"(84)	6-1/8"(156)	2-3/8"(60)
SWB-49	3/4" ②	5-1/4"(133)	3-5/8"(92)	3-5/16"(84)	6-1/8"(156)	2-3/8"(60)

- ① Maximum size drilled and tapped opening 1" – Shallow device bodies.
- ② Maximum size drilled and tapped opening 1-1/2" – Deep device bodies.
- ③ SWB-1 thru SWB-12 Boxes have cast in conduit hubs. Additional conduit openings can not be included. Use SWB-13-14 or 18 for custom conduit requirements. See following page for custom conduit information. SWB-13 through SWB-38 boxes are blank without conduit openings and can be factory or field installed. See following page for custom conduit information.

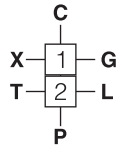


CONDUIT OPENING DATA

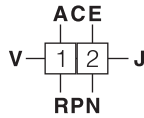
Conduit Opening Location Charts



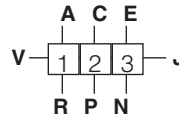
SWB-13-14



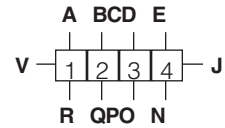
SWB-17



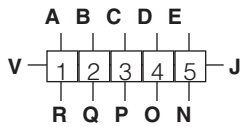
SWB-18



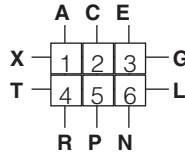
SWB-19



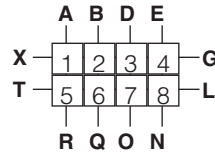
SWB-20



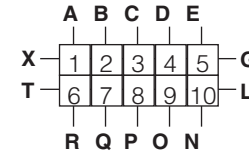
SWB-21



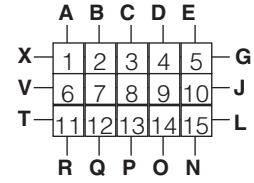
SWB-22



SWB-23



SWB-24



SWB-25

FEATURES-SPECIFICATIONS

To specify conduit openings select the letter on these sketches which indicates the position desired. All conduit openings will be evenly spaced and located in the area indicated on the location chart. When they are to be more accurately located, submit a sketch with spacing dimensions. Specific conduit openings must be located dimensionally from box centerlines to conduit centerlines and from outside back surface of box to conduit centerline.

Ordering Instructions:

- Select the letter on location chart which indicates conduit opening position desired.
- Select symbol number from chart which indicates conduit opening type and size.
- Combine the conduit location letter, size and type number, and add as a suffix to SWB box catalog number.

Example: **SWB-18-C1-J1-P1-V1**

SYMBOL NUMBERS		
CONDUIT SIZE	CONDUIT OPENINGS	
	DRILLED AND TAPPED	UNIONM
1/2"	1	11
3/4"	2	12
1"	3	13
1-1/4"	4	14
1-1/2"	5	15

MINIMUM HUB CENTERS FOR DRILLED AND TAPPED AND UNION HUBS

SIZE	FORM	1/2"	3/4"	1"	1-1/4"	1-1/2"
1/2"	①MIN	1-3/16"(46)	—	—	—	—
1/2"	②PRE	1-3/8"(35)	—	—	—	—
1/2"	③GU	1-5/8"(41)	—	—	—	—
3/4"	①MIN	1-3/8"(35)	1-1/2"(38)	—	—	—
3/4"	②PRE	1-1/2"(38)	1-5/8"(41)	—	—	—
3/4"	③GU	1-3/4"(44)	1-13/16"(46)	—	—	—
1"	①MIN	1-1/2"(38)	1-3/4"(44)	1-13/16"(46)	—	—
1"	②PRE	1-3/4"(44)	1-7/8"(48)	2"(51)	—	—
1"	③GU	1-7/8"(48)	2"(51)	2-1/8"(54)	—	—
1-1/4"	①MIN	1-11/16"(43)	1-15/16"(49)	2-1/16"(52)	2-5/16"(59)	—
1-1/4"	②PRE	1-15/16"(49)	2-1/16"(52)	2-1/4"(57)	2-1/2"(64)	—
1-1/4"	③GU	2-1/16"(52)	2-1/4"(57)	2-5/16"(59)	2-1/2"(64)	—
1-1/2"	①MIN	1-15/16"(49)	2-1/16"(52)	2-3/16"(56)	2-1/2"(64)	2-5/8"(67)
1-1/2"	②PRE	2-1/8"(54)	2-1/4"(57)	2-3/8"(60)	2-5/8"(67)	2-3/4"(70)
1-1/2"	③GU	2-3/16"(56)	2-9/32"(58)	7/16"(11)	2-5/8"(67)	2-3/4"(70)
LOCKNUT BUSHING CONDUIT		1-1/8"(29)	1-3/8"(35)	1-11/16"(43)	2-3/16"(56)	2-7/16"(62)
LOCKNUT BUSHING CONDUIT		1"(25)	1-1/4"(32)	1-1/2"(38)	1-7/8"(48)	2-1/8"(54)
LOCKNUT BUSHING CONDUIT		7/8"(22)	1-1/16"(27)	1-3/8"(35)	1-11/16"(43)	1-15/16"(49)

① Minimum spacing required to provide clearance over locknuts and bushings.

② Preferred – more liberal spacings between centers of conduits to be used whenever possible.

③ GU – spacing required for GU Series unions.

④ Union hubs are supplied by using a drilled and tapped opening with GUM Series Union.

† Consult factory for special or additional conduit sizes, locations, and combinations required but not illustrated.



COVER ASSEMBLIES • CONTROL STATIONS



Single Push Button (Box and Cover)



Double Push Button (Box and Cover)



Three Mini-Push Button (Box and Cover)



Push-Pull Mushroom Maintained Push Button (Box and Cover)

Class I, Div. 1 & 2, Groups C, D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 7 (C, D) 9 (E, F, G)

UL LISTED - File E53360

SP Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS

XCS MOMENTARY CONTACT SINGLE PUSH BUTTON						
COVER WITH DEVICE	CATALOG NUMBER		HUB SIZE	DIAGRAM	BUTTON COLOR ^②	NAMEPLATE MARKING ^①
	COMPLETE UNITS (BOX & COVER)					
	DEAD-END	FEED-THRU				
XCS-0B1	XCS-1B1	XCS-4B1	1/2"		GREEN	START
	XCS-2B1	XCS-5B1	3/4"			
XCS-0B2	XCS-1B2	XCS-4B2	1/2"		RED	STOP
	XCS-2B2	XCS-5B2	3/4"			
XCS-0B3	XCS-1B3	XCS-4B3	1/2"		BLACK	SPECIFY
	XCS-2B3	XCS-5B3	3/4"			

XCS MOMENTARY CONTACT DOUBLE PUSH BUTTON						
COVER WITH DEVICE	CATALOG NUMBER		HUB SIZE	DIAGRAM	BUTTON COLOR ^②	NAMEPLATE MARKING ^①
	COMPLETE UNITS (BOX & COVER)					
	DEAD-END	FEED-THRU				
XCS-0B4	XCS-1B4	XCS-4B4	1/2"		GREEN-RED	START/STOP
	XCS-2B4	XCS-5B4	3/4"			
XCS-0B4-U	XCS-1B4-U	XCS-4B4-U	1/2"		GREEN-RED	START/STOP
	XCS-2B4-U	XCS-5B4-U	3/4"			
XCS-0B5	XCS-1B5	XCS-4B5	1/2"		GREEN-GREEN	START/START
	XCS-2B5	XCS-5B5	3/4"			
XCS-0B7	XCS-1B7	XCS-4B7	1/2"		BLACK-BLACK	SPECIFY
	XCS-2B7	XCS-5B7	3/4"			

XCS MOMENTARY CONTACT THREE MINI-PUSH BUTTON						
COVER WITH DEVICE	CATALOG NUMBER		HUB SIZE	DIAGRAM	BUTTON COLOR ^②	NAMEPLATE MARKING ^①
	COMPLETE UNITS (BOX & COVER)					
	DEAD-END	FEED-THRU				
XCS-0A8	XCS-1A8	XCS-4A8	1/2"		GREEN-RED	START/STOP
	XCS-2A8	XCS-5A8	3/4"			
XCS-0A9	XCS-1A9	XCS-4A9	1/2"		BLACK	SPECIFY
	XCS-2A9	XCS-5A9	3/4"			

① For other than standard marking, see page C59 and order separately or as modified products.

② Lens colors other than listed may be specified by changing lens color suffix. See modifications, page C50.

For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.

XCS MAINTAINED CONTACT PUSH PULL MUSHROOM PUSH BUTTON ^④			
CATALOG NUMBER (COVER WITH DEVICE)	DIAGRAM	BUTTON COLOR	NAMEPLATE MARKING
XCS-OMMG3		GREEN	③
XCS-OMMR3		RED	
XCS-OMMK3		BLACK	

③ Three nameplates supplied (Start/Stop, Blank, Emergency Stop) with XCS maintained push button.

④ Operation – when push button is depressed and contact activated, operator will remain in depressed position until pulled out in normal position.



COVER ASSEMBLIES • CONTROL STATIONS



Pilot Light
(Box and Cover)



Double
Pilot Light
(Box and Cover)



Pilot Light
Push Button
(Box and Cover)



Pilot Light
Two Mini Push Buttons
(Box and Cover)

Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III
NEMA 7 (C, D) 9 (E, F, G)

UL LISTED - File E53360

SP Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS

XCS PILOT LIGHT ^③							
COVER WITH DEVICE	CATALOG NUMBER		HUB SIZE	DIAGRAM	LAMP VOLTS	LENS COLOR ^②	NAMEPLATE MARKING ^①
	COMPLETE UNITS (BOX & COVER)						
	DEAD-END	FEED-THRU					
XCS-0B24-CL	XCS-1B24-CL	XCS-4B24-CL	1/2"		120V	CLEAR	SPECIFY
	XCS-2B24-CL	XCS-5B24-CL	3/4"				
XCS-0B24-GL	XCS-1B24-GL	XCS-4B24-GL	1/2"		120V	GREEN	SPECIFY
	XCS-2B24-GL	XCS-5B24-GL	3/4"				
XCS-0B24-RL	XCS-1B24-RL	XCS-4B24-RL	1/2"		120V	RED	SPECIFY
	XCS-2B24-RL	XCS-5B24-RL	3/4"				

XCS DOUBLE PILOT LIGHT ^④							
COVER WITH DEVICE	CATALOG NUMBER		HUB SIZE	DIAGRAM	LAMP VOLTS	LENS COLOR ^②	NAMEPLATE MARKING ^①
	COMPLETE UNITS (BOX & COVER)						
	DEAD-END	FEED-THRU					
XCS-0B30-CL	XCS-1B30-CL	XCS-4B30-CL	1/2"		120V	CLEAR	SPECIFY
	XCS-2B30-CL	XCS-5B30-CL	3/4"				
XCS-0B30-GL	XCS-1B30-GL	XCS-4B30-GL	1/2"		120V	GREEN	SPECIFY
	XCS-2B30-GL	XCS-5B30-GL	3/4"				
XCS-0B30-RL	XCS-1B30-RL	XCS-4B30-RL	1/2"		120V	RED	SPECIFY
	XCS-2B30-RL	XCS-5B30-RL	3/4"				
XCS-0B30RL-GL	XCS-1B30RL-GL	XCS-4B30RL-GL	1/2"		120V	RED/GREEN	SPECIFY
	XCS-2B30RL-GL	XCS-5B30RL-GL	3/4"				

XCS MOMENTARY CONTACT PUSH BUTTON AND PILOT LIGHT ^④								
COVER WITH DEVICE	CATALOG NUMBER		HUB SIZE	DIAGRAM	BUTTON COLOR	LENS COLOR ^②	NAMEPLATE MARKING ^①	
	COMPLETE UNITS (BOX & COVER)						BUTTON	LENS
	DEAD-END	FEED-THRU						
XCS-0B13-C	XCS-1B13-C	XCS-4B13-C	1/2"		RED	RED	STOP	SPECIFY
	XCS-2B13-C	XCS-5B13-C	3/4"					
XCS-0B13-0	XCS-1B13-0	XCS-4B13-0	1/2"		GREEN	RED	START	SPECIFY
	XCS-2B13-0	XCS-5B13-0	3/4"					
XCS-0B13-U	XCS-1B13-U	XCS-4B13-U	1/2"		BLACK	RED	SPECIFY	SPECIFY
	XCS-2B13-U	XCS-5B13-U	3/4"					

XCS MOMENTARY CONTACT TWO MINI PUSH BUTTONS AND PILOT LIGHT ^④								
COVER WITH DEVICE	CATALOG NUMBER		HUB SIZE	DIAGRAM	BUTTON COLOR	LENS COLOR ^②	NAMEPLATE MARKING ^①	
	COMPLETE UNITS (BOX & COVER)						BUTTON	LENS
	DEAD-END	FEED-THRU						
XCS-0A15	XCS-1A15	XCS-4A15	1/2"		RED	RED	STOP	SPECIFY
	XCS-2A15	XCS-5A15	3/4"					

① For other than standard marking, see page C59 and order separately or as modified products.

② Lens color suffix listed in modifications, page C50. Unless different lens colors are specified by proper suffix catalog number, red lens will be provided.

③ Pilot light transformers also listed in modifications. Add suffix to cover assembly catalog number.

④ Pilot light transformers will not fit in these assemblies. When transformer is desired, use SWB-14, indicating conduit openings required from chart on page C52 of this section. See page C50 for required transformer suffix. One transformer required for each lamp. For control stations with 1" conduit openings or for multi-gang assemblies, order cover and box as separate components.



COVER ASSEMBLIES • CONTROL STATIONS



Selector Switch



Key Operated

Class I, Div. 1 & 2, Groups C, D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 7 (C, D) 9 (E, F, G)

UL LISTED - File E53360

SP Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS

XCS TWO POSITION SELECTOR SWITCH (MAINTAINED)*								
CATALOG NUMBER			HUB SIZE	TWO POSITION DIAGRAM				NAMEPLATE MARKING ^①
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		RIGHT POSITION		
	DEAD-END	FEED-THRU		LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	
XCS-0S2A1	XCS-1S2A1	XCS-4S2A1	1/2"					OFF/ON
	XCS-2S2A1	XCS-5S2A1	3/4"					
XCS-0S2A5	XCS-42S2A5	XCS-45S2A5	3/4"					OFF/ON

XCS THREE POSITION SELECTOR SWITCH (MAINTAINED)*										
CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM						NAMEPLATE MARKING
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		CENTER POSITION		RIGHT POSITION		
	DEAD-END	FEED-THRU		LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	
XCS-0S3C4	XCS-1S3C4	XCS-4S3C4	1/2"							HOA
	XCS-2S3C4	XCS-5S3C4	3/4"							
XCS-0S3C5	XCS-42S3C5	XCS-45S3C5	3/4"							HOA

^① For other than standard marking, see page C59 and order separately or as modified products.

For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.

XCS TWO POSITION KEY OPERATED SELECTOR SWITCH (MAINTAINED)*								
CATALOG NUMBER			HUB SIZE	TWO POSITION DIAGRAM				NAMEPLATE MARKING ^①
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		RIGHT POSITION		
	DEAD-END	FEED-THRU		LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	
XCS-0K2A1	XCS-1K2A1	XCS-4K2A1	1/2"					OFF/ON
	XCS-2K2A1	XCS-5K2A1	3/4"					
XCS-0K2A5	XCS-42K2A5	XCS-45K2A5	3/4"					OFF/ON

XCS THREE POSITION KEY OPERATED SELECTOR SWITCH (MAINTAINED)*										
CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM						NAMEPLATE MARKING
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		CENTER POSITION		RIGHT POSITION		
	DEAD-END	FEED-THRU		LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	
XCS-0K3C4	XCS-1K3C4	XCS-4K3C4	1/2"							HOA
	XCS-2K3C4	XCS-5K3C4	3/4"							
XCS-0K3C5	XCS-42K3C5	XCS-45K3C5	3/4"							HOA

^① For other than standard marking, see page C59 and order separately or as modified products.

For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.

* Key removal in all positions for 2 & 3 position key operated selectors. Consult factory for variations.

Keyed sub-assemblies are supplied with random keys. For like keys, add "A" to end of catalog number. i.e. XCS-0K3C4A



COVER ASSEMBLIES • CONTROL STATIONS



Selector Switch

Class I, Div. 1 & 2, Groups C, D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 7 (C, D) 9 (E, F, G)

LISTED - File E53360

Certified - File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

XCS SPRING RETURN SELECTOR SWITCH – TWO POSITION SPRING RETURN TO LEFT							
CATALOG NUMBER			HUB SIZE	TWO POSITION DIAGRAM – 1N.O./1N.C.			
COVER WITH DEVICE ^①	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		RIGHT POSITION	
	DEAD-END	FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0S2L3F	XCS-42S2L3F	XCS-45S2L3F	3/4"				

XCS SPRING RETURN SELECTOR SWITCH – THREE POSITION SPRING RETURN TO CENTER FROM RIGHT AND LEFT									
CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM – 2 N.O.					
COVER WITH DEVICE ^①	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		CENTER POSITION		RIGHT POSITION	
	DEAD-END	FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0S3M6G	XCS-42S3M6G	XCS-45S3M6G	3/4"						

XCS SPRING RETURN SELECTOR SWITCH – THREE POSITION SPRING RETURN TO CENTER FROM RIGHT, MAINTAIN IN LEFT									
CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM – 2 N.O.					
COVER WITH DEVICE ^①	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		CENTER POSITION		RIGHT POSITION	
	DEAD-END	FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0S3L6G	XCS-42S3L6G	XCS-45S3L6G	3/4"						

XCS SPRING RETURN SELECTOR SWITCH – THREE POSITION SPRING RETURN TO CENTER FROM LEFT, MAINTAIN IN RIGHT									
CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM – 2 N.O.					
COVER WITH DEVICE ^①	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		CENTER POSITION		RIGHT POSITION	
	DEAD-END	FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0S3R6G	XCS-42S3R6G	XCS-45S3R6G	3/4"						

^① All spring return assemblies must be installed on deep style box SWB-14 or SWB-18 through SWB-49.
 For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.



COVER ASSEMBLIES • CONTROL STATIONS



Key Operated

Class I, Div. 1 & 2, Groups C, D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 7 (C, D) 9 (E, F, G)

UL LISTED - File E53360

SP Certified - File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

XCS KEY OPERATED SPRING RETURN SELECTOR SWITCH ① – TWO POSITION SPRING RETURN TO LEFT									
CATALOG NUMBER			HUB SIZE	TWO POSITION DIAGRAM – 1 N.O./1 N.C.					
COVER WITH DEVICE ②	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		RIGHT POSITION		RIGHT POSITION	
	DEAD-END	FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0K2L3F22D	XCS-42K2L3F22D	XCS-45K2L3F22D	3/4"						

XCS KEY OPERATED SPRING RETURN SELECTOR SWITCH ① – THREE POSITION SPRING RETURN TO CENTER FROM RIGHT AND LEFT									
CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM – 2 N.O.					
COVER WITH DEVICE ②	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		CENTER POSITION		RIGHT POSITION	
	DEAD-END	FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0K3M6G32D	XCS-42K3M6G32D	XCS-45K3M6G32D	3/4"						

XCS KEY OPERATED SPRING RETURN SELECTOR SWITCH ① – THREE POSITION SPRING RETURN TO CENTER FROM RIGHT, MAINTAIN IN LEFT									
CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM – 2 N.O.					
COVER WITH DEVICE ②	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		CENTER POSITION		RIGHT POSITION	
	DEAD-END	FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0K3L6G32D	XCS-42K3L6G32D	XCS-45K3L6G32D	3/4"						

XCS KEY OPERATED SPRING RETURN SELECTOR SWITCH ① – THREE POSITION SPRING RETURN TO CENTER FROM LEFT, MAINTAIN IN RIGHT									
CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM – 2 N.O.					
COVER WITH DEVICE ②	COMPLETE UNITS (BOX & COVER)			LEFT POSITION		CENTER POSITION		RIGHT POSITION	
	DEAD-END	FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0K3R6G32D	XCS-42K3R6G32D	XCS-45K3R6G32D	3/4"						

① All key operators are furnished keyed different. If keyed alike is required substitute letter "A" for "D" at end of catalog number. Keys are removable in left position for 2 position selectors and in center position for 3 position selectors. For key removable in all positions change "22" in 2 position to "20" and "32" in 3 position to "30".

② All spring return assemblies must be installed on deep style box SWB-14 or SWB-18 through SWB-49. For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.



BLANK ACCESSORIES / REPLACEMENT PARTS



X-10
Blank Cover



KIT-69



KIT-78



KIT-64

X BLANK AND SPECIAL COVERS	
CAT. NO.	DESCRIPTION
X-10	Blank cover for SWB
X-60	Cover with (1) 3/4" NPSM Hole ^①
X-64	Cover with (2) 3/4" NPSM Holes ^{① ②}

^① For "G" series short operators.

^② When X-64 cover is used, one operator must be a pilot light due to electrical clearances.

XS REPLACEMENT SWITCH ONLY	
CAT. NO.	DESCRIPTION
KIT-264	Replacement switch for XS-1C
KIT-266	Replacement switch for XS-2C
KIT-263	Replacement switch for XS-6C
KIT-265	Replacement switch for XS-8C

REPLACEMENT XCS COVER INTERIORS SUPPLIED WITH MOUNTING HARDWARE

KIT-62	INTERIOR DEVICE XCS-0A8
KIT-63	INTERIOR DEVICE XCS-0A9
KIT-64	INTERIOR DEVICE XCS-0A15
KIT-66	INTERIOR DEVICE XCS-0B1
KIT-67	INTERIOR DEVICE XCS-0B2
KIT-68	INTERIOR DEVICE XCS-0B3
KIT-69	INTERIOR DEVICE XCS-0B4
KIT-70	INTERIOR DEVICE XCS-0B5
KIT-72	INTERIOR DEVICE XCS-0B7
KIT-73	INTERIOR DEVICE XCS-0B13-C
KIT-74	INTERIOR DEVICE XCS-0B13-O
KIT-75	INTERIOR DEVICE XCS-0B13-U
KIT-76	INTERIOR DEVICE XCS-0B24*
KIT-78	INTERIOR DEVICE XCS-0B30*

Kits supplied with contacts and lamp sockets mounted to strap for installation on SWB back box. All lamps are incandescent 120V.



Standard Lockout



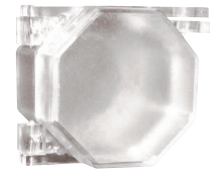
Miniature Lockout



Selector Lockout



Dust/Weather Cap



GOM Lockout

ACCESSORIES					
PUSH BUTTON ^① LOCKOUT	SELECTOR LOCKOUT ^①	DUST/WEATHER CAP			DESCRIPTION
		RED	GREEN	BLACK	
XLOB	G0567-LOK	XDBR	XDBG	XDBB	Standard operator
XLOA	—	—	—	—	Miniature operator

^① Must be factory installed

CATALOG NUMBER GOMLOCK ^②
LOCKOUT FOR MAINTAINED PUSH BUTTON COVERS
XCS-OMMR3
FXCS-OMMR3, FXCS - *MMR3-M

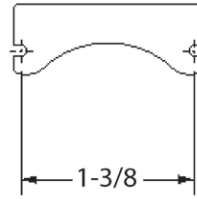
^② May be installed in field.

XCS REPLACEMENT COVER SCREWS	
CATALOG NUMBER	DESCRIPTION
00891896	4 Cover Screws
00891898	4 Cover Screws and 2 Strap Screws



ACCESSORIES / REPLACEMENT PARTS

CUSTOM LEGEND PLATES (MOUNTING SCREWS INCLUDED)		
CATALOG NUMBER & DESCRIPTION		
PB & PL LEGEND PLATES	2 POS. SEL. SWT. LEGEND PLATES	3 POS. SEL. SWT. LEGEND PLATES
XCSNP-ON	XCSNP-ON-OFF	XCSNP-HAND-OFF-AUT
XCSNP-OFF	XCSNP-OFF-ON	XCSNP-AUT-OFF-HAND
XCSNP-START	XCSNP-OFF-REMOTE	XCSNP-HAND-OFF-REM
XCSNP-STOP	XCSNP-START-STOP	XCSNP-STP-RUN-STRT
XCSNP-ESTOP	XCSNP-UP-DOWN	XCSNP-FWD-OFF-REV
XCSNP-UP	XCSNP-RAISE-LOWER	XCSNP-REV-OFF-FWD
XCSNP-DOWN	XCSNP-HIGH-LOW	XCSNP-RUN-OFF-JOG
XCSNP-FAST	XCSNP-SLOW-FAST	XCSNP-JOG-OFF-RUN
XCSNP-SLOW	XCSNP-START-JOG	XCSNP-SLOW-OFF-FST
XCSNP-IN	XCSNP-RUN-JOG	XCSNP-LOW-OFF-HIGH
XCSNP-OUT	XCSNP-JOG-RUN	XCSNP-RAS-OFF-LOWR
XCSNP-RAISE	XCSNP-FWD-REV	XCSNP-LOCL-OFF-REM
XCSNP-LOWER	XCSNP-HAND-AUTO	XCSNP-1-OFF-2
XCSNP-HIGH	XCSNP-AUTO-HAND	XCSNP-UP-OFF-DOWN
XCSNP-LOW	XCSNP-MANUAL-AUTO	XCSNP-BLANK-3P*
XCSNP-OPEN	XCSNP-SLOW-FAST	
XCSNP-CLOSE	XCSNP-OPEN-CLOSE	
XCSNP-FORWARD	XCSNP-BLANK-2P*	
XCSNP-REVERSE		
XCSNP-READY		
XCSNP-RUN		
XCSNP-RESET		
XCSNP-JOG		
XCSNP-INCH		
XCSNP-TEST		
XCSNP-POWER-ON		
XCSNP-JOG-FORWARD		
XCSNP-JOG-REVERSE		
XCSNP-MOTOR-RUN		
XCSNP-MOTOR-STOP		
XCSNP-PUSH-TO-TEST		
XCSNP-BLANK*		



Drilling Instructions
(if holes not existing)
Drill #44(.086 Dia)
x 3/16 deep. Do not break
through cover.
Install with thread cutting
screws supplied.

* For special markings order blank legend plate and specify marking.

XCS-FXCS LAMPS			
CAT. NO.	LAMP TYPE	VOLTS AC/DC	COLOR
YOSY24MB	FILAMENT	24	CLEAR
YOSY120MB	FILAMENT	120	CLEAR

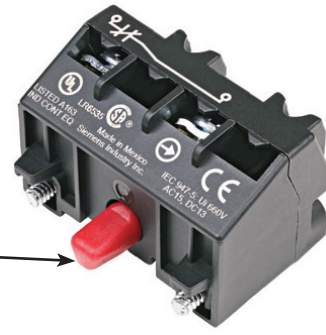


Incandescent Filament Lamp

PILOT LIGHT LED LAMPS		
CATALOG NUMBER	VOLTS	COLOR
GOLED-A110	110 VAC/DC	AMBER
GOLED-B110	110 VAC/DC	BLUE
GOLED-G110	110 VAC/DC	GREEN
GOLED-R110	110 VAC/DC	RED
GOLED-W110	110 VAC/DC	WHITE
GOLED-A24	24 VAC/DC	AMBER
GOLED-B24	24 VAC/DC	BLUE
GOLED-G24	24 VAC/DC	GREEN
GOLED-R24	24 VAC/DC	RED
GOLED-W24	24 VAC/DC	WHITE
GOLED-A240	220/240 VAC	AMBER
GOLED-B240	220/240 VAC	BLUE
GOLED-G240	220/240 VAC	GREEN
GOLED-R240	220/240 VAC	RED
GOLED-W240	220/240 VAC	WHITE



LED Lamps



Color Code

Finger Safe Contact Block with Gold Flashing as Standard

GO STANDARD CONTACT BLOCKS*		
CATALOG NUMBER	DESCRIPTION	COLOR CODE
GO-8673-BJK	1 N.O.	WHITE
GO-8673-BJJ	1 N.C.	RED
GO-8673-BJH	1 N.O. EARLY MAKE	GREEN
GO-8673-BJE	1 N.C. LATE BREAK	YELLOW
GO-8673-BJKJ	1 N.O./1 N.C.	BLACK

* 600VAC Max., 10 Amps, A600/P600
Dimensions: 1.63"L x 1.06"W x 1"Deep

New series finger safe contact blocks can be stacked on to older series "E" type blocks. However "E" type contact blocks cannot be stacked on to finger safe blocks.



TUMBLER SWITCH



XS-3C



Complete Unit When Assembled

Class I, Div. 1 & 2, Groups C, D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 7 (C, D) 9 (E, F, G)

LISTED - FILE E53360

Certified - File LR11712

File OP7A5.AE
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

Used where making, breaking, or changing connections in an electric circuit are required.

Features

XS and XST Series are front lever rotary operated switch assemblies with standard provisions for padlocking in either "ON" or "OFF" position. The lever is connected to a threaded stainless steel shaft which passes through the cover.

XS TUMBLER SWITCH						
CATALOG NUMBER					SWITCH STYLE	SWITCH RATING 120/277 VAC, 1Ø
COVER		HUB SIZE	COMPLETE UNITS (BOX, COVER AND SWITCH)			
WITH DEVICE	WITHOUT DEVICE		DEAD-END	FEED-THRU		
XS-1C	XNS-1C	1/2"	XS-11C	XS-41C	1-POLE	20A [ⓐ]
		3/4"	XS-21C	XS-51C		
XS-2C	XNS-2C	1/2"	XS-12C	XS-42C	2-POLE	20A [ⓐ]
		3/4"	XS-22C	XS-52C		
XS-8C	XNS-8C	1/2"	XS-18C	XS-48C	3-POLE	①
		3/4"	XS-28C	XS-58C		
XS-3C	XNS-3C	1/2"	XS-13C	XS-43C	3-WAY/SPDT No center off	20A [ⓐ]
		3/4"	XS-23C	XS-53C		
XS-5C	XNS-5C	1/2"	XS-15C	XS-45C	SPDT Center off	20A [ⓐ]
		3/4"	XS-25C	XS-55C		
XS-6C	XNS-6C	1/2"	XS-16C	XS-46C	DPDT No center off	20A [ⓐ]
		3/4"	XS-26C	XS-56C		
XS-7C	XNS-7C	1/2"	XS-17C	XS-47C	DPDT Center off	20A [ⓐ]
		3/4"	XS-27C	XS-57C		
XS-1D	XNS-1D	1/2"	XS-11D	XS-41D	1-POLE	30A [ⓐ]
		3/4"	XS-21D	XS-51D		
XS-2D	XNS-2D	1/2"	XS-12D	XS-42D	2-POLE	30A [ⓐ]
		3/4"	XS-22D	XS-52D		
XS-4C	—	—	—	—	4-WAY	20A [ⓐ]

① Rated 15 amperes, 240/480 VAC., 3Ø: 3HP-240 VAC., 5 HP-480 VAC.

ⓐ Horsepower rated 1 HP at 120VAC, 2 HP at 240VAC.

Certified - File LR11712

XS TUMBLER SWITCH				
HUB SIZE	CATALOG NUMBER		SWITCH STYLE	SWITCH RATING 347 VAC, 1Ø
	COMPLETE UNITS (BOX, COVER AND SWITCH)			
	DEAD-END	FEED-THRU		
3/4"	XST15-21C	XST15-51C	1-POLE	15A
1"	XST15-31C	XST15-61C		
3/4"	XST20-21C	XST20-51C	1-POLE	20A
1"	XST20-31C	XST20-61C		
3/4"	XST15-23C	XST15-53C	3-WAY/SPDT NO CENTER OFF	15A
1"	XST15-33C	XST15-63C		
3/4"	XST20-23C	XST20-53C	3-WAY/SPDT NO COVER OFF	20A
1"	XST20-33C	XST20-63C		



FIRE ALARM STATIONS



XAL
Pull Ring



XAS
Break Glass

Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III
NEMA 7 (C, D) 9 (E, F, G)

FEATURES-SPECIFICATIONS

Applications

- Hazardous areas due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installation at petroleum refineries, chemical and petrochemical plants, storage areas, and other processing facilities where hazardous substances are handled or stored
- Areas where emergency control of fire alarm or signal circuits is required

Features

- Enclosure is made of copper free aluminum alloy
- Conduit openings are 3/4" NPT feed through
- Red, textured powder epoxy paint finish is standard on box and cover and provides high visibility for alarm station
- XAL-458 has (2) normally open and (2) normally closed contacts.
- Bilingual nameplates included per CSA requirement
- Internal ground screw is standard

REPLACEMENT PARTS	
CATALOG NUMBER	DESCRIPTION
YOKK15214	XAS REPL. GLASS
KIT-232	XAS REP. HAMMER & CHAIN

Operation

XAL: The alarm station is activated by lifting the front cover and pulling down ring. This quick, easy to use two-step process prevents unintentional operation.

XAS: Breaking glass with hammer provided activates alarm. Reset by replacing glass.

XAL Series:

- UL LISTED - File E50498
- ULC Listed - CE69
- SPR Certified - File LR31085
- Listed - California State Fire Marshall #7150-1439:100

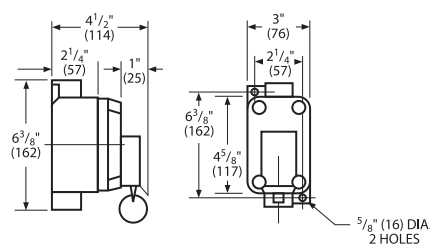
XAS Series:

- UL LISTED - File E50498
- SPR Certified - File LR31085
See files for details or call Killark.

XAL FIRE ALARM STATION		
CATALOG NUMBER	OPERATION TYPE	CONTACT BLOCKS
XAL-53	PULL RING	(1) NO/NC
XAL-458	PULL RING	(2) NO/NC
XAS-53	BREAK GLASS	(1) NO/NC

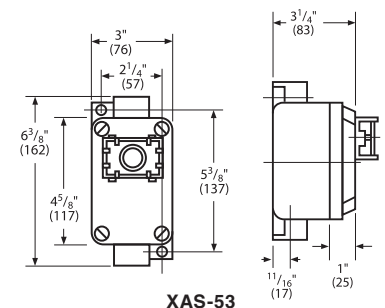
CONTACT BLOCK RATING								
AC						DC		
VOLTS	MAKE AMPERES	VA	BREAK AMPERES	VA	CONTINUOUS CARRYING AMPERES	VOLTS	MAKE BREAK	CONTINUOUS CARRYING AMPERES
120	60	7200	6	720	10	125	1.1	5.0
240	30	7200	3	720	10	250	0.55	5.0
480	15	7200	1.5	720	10	600	0.2	5.0
600	12	7200	1.2	720	10	—	—	—

Dimensions



XAL-53

Note: On XAL-458 the overall depth is 5-9/16"



XAS-53



CUSTOM CONTROL PANEL OPERATORS INTRODUCTION



Class I, Div. 1 & 2, Groups B, C, D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)

See Area Classification Chart below

FEATURES-SPECIFICATIONS

Applications

G Series custom control panel operators are designed for use in hazardous locations when installed in suitable enclosures such as B7E EXB, SWB and GCS Series boxes and B7, Y7 Starter Enclosures.

Features

- Operators are all aluminum except for certain movable parts which are stainless steel, all other parts such as screws are either stainless steel or plated steel
- Threaded bodies are all 3/4"-14 NPSM thread
- Control stations can be grouped into a single assembly thus reducing installation time and cost
- Junction boxes may be used to mount operators along with glass lens for viewing internally mounted meters. Additional relays, timers, terminal blocks, or other equipment may also be internally mounted to provide a single centralized control unit.
- Custom operators other than standard assemblies listed may be ordered by proper catalog number from custom operator ordering system pages C72 & C73

Electrical Rating

Push button stations, selector switches
 Heavy duty 600 VAC max.

Pilot lights 250 VAC max.

Dimensions

See Dimensional information for G Series operators on page C74.

Recommended Operator Selection

Short Style

SWB/GCS Enclosures. Assemblies with wall thickness up to 1/2" thick.

Long Style

All B7E Enclosures. EXB (see page E36) enclosures with cover thickness up to 1-1/2" thick.

Extended Style

EXB larger size enclosures (see page E36) with cover thickness up to 2-1/2" thick.

Killark long and extended push buttons, selector switches, reset and potentiometer operators are CENELEC/ATEX EExd IIB+H2 when installed in series EXB*CEN and GR*CEN enclosures.

For pilot lights and illuminated push buttons in CENELEC/ATEX applications see page C65.

CONTACT BLOCK RATINGS – A600/P600						
CURRENT	120 VAC	240 VAC	480 VAC	600 VAC	125 VDC	250 VDC
INRUSH	60	30	15	12	.55	.27
BREAKING	6	3	1.5	1.2	.55	.27
CARRYING	10	10	10	10	2.55	2.55

Note: Contact blocks can be stacked four deep maximum.

AREA CLASSIFICATION CHART FOR OPERATORS					
G01 ^④	G017 ^②	G030 ^②	G057 ^②	G0L2 ^④	G0L38 ^③
G02 ^④	G018 ^②	G034 ^②	G058 ^②	G0L3 ^④	G0L39 ^③
G05 ^④	G019 ^②	G035 ^② G036 ^③	G059 ^②	G0L4 ^④	G0L113 ^③
G06 ^④	G021 ^②	G037 ^③	G0113 ^③	G0L5 ^④	G0L114 ^③
G07 ^④	G022 ^②	G038 ^③	G0114 ^③	G0L6 ^④	G0LRST ^④
G08 ^③	G023 ^②	G039 ^③	G0133 ^②	G0L7 ^④ G0L8 ^③	G0M1 ^⑤
G010 ^④	G025 ^②	G040 ^①	G0134 ^②	G0L14 ^④	G0R11 ^④
G014 ^④	G026 ^②	G050 ^②	G0B3 ^④	G0L15 ^④	G0RST ^②
G015 ^④	G027 ^②	G051 ^②	G0B4 ^④	G0L36 ^③	G011388 ^②
G016 ^②	G028 ^②	G056 ^②	G0L1 ^④	G0L37 ^④	G011372 ^②

① Class II Div. 1 & 2 Group EFG NEMA 9EFG

② Class I Div. 1 & 2 Group CD, Class II Div. 1 & 2 Group EFG, Class III NEMA 7CD, 9EFG

③ Class I Div. 1 & 2 Group BCD, Class II Div. 1 & 2 Group EFG, Class III NEMA 3, 4, 7BCD, 9EFG

④ Class I Div. 1 & 2 Group BCD, Class II Div. 1 & 2 Group EFG, Class III NEMA 3, 4, 4X, 7BCD, 9EFG

⑤ Class I Div. 1 & 2 Group CD, Class II Div. 1 & 2 Group EFG, Class III NEMA 3, 4, 7CD, 9EFG



PUSH BUTTONS



Push Button Green



Push Button Red



Mushroom Push Button



Double Push Button

Class I, Div. 1 & 2, Groups B, C, D^①
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)

See Area Classification Chart
 page C62 for Details

- File E12379

Certified - File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

G SINGLE PUSH BUTTON (MOMENTARY CONTACT)					
CATALOG NUMBER ^①			COLOR	CONTACT TYPE ^③	NAMEPLATE MARKING ^②
SHORT ^④	LONG	EXTENDED			
G021-GZ1B	G01-GX1B N34	GOL1G1	GREEN		START OR STOP
G021-KZ1C	G01-KX1C N34	GOL1K1	BLACK		RESET OR BLANK
G021-RZ2B	G01-RX2B N34	GOL1R2	RED		START OR STOP
G021-KZ2C	G01-KX2C N34	GOL1K2	BLACK		RESET OR BLANK
G021-GZ3C	G01-GX3C N34	GOL1G3	GREEN		RESET OR BLANK
G021-RZ3C	G01-RX3C N34	GOL1R3	RED		RESET OR BLANK
G021-KZ3C	G01-KX3C N34	GOL1K3	BLACK		RESET OR BLANK
G021-GZ0C	G01-GX0C N34	GOL1G	GREEN	NONE	RESET OR BLANK
G021-RZ0C	G01-RX0C N34	GOL1R	RED		RESET OR BLANK
G021-KZ0C	G01-KX0C N34	GOL1K	BLACK		RESET OR BLANK

G SINGLE PUSH BUTTON (MAINTAINED CONTACT) MUSHROOM HEAD PUSH – PULL OPERATION					
GOM21-GM3C	GOM1-GM3C N34	GOML1G3	GREEN		BLANK
GOM21-RM3C	GOM1-RM3C N34	GOML1R3	RED		BLANK
GOM21-KM3C	GOM1-KM3C N34	GOML1K3	BLACK		BLANK
GOM21-GM0C	GOM1-GM0C N34	GOML1G	GREEN	NONE	BLANK
GOM21-RM0C	GOM1-RM0C N34	GOML1R	RED		BLANK
GOM21-KM0C	GOM1-KM0C N34	GOML1K	BLACK		BLANK

G DOUBLE PUSH BUTTON (MOMENTARY CONTACT)					
G022-GR12D	G02-GR12D N34	GOL2GR12	GREEN/RED		START/STOP OR BLANK
G022-KK12D	G02-KK12D N34	GOL2KK12	BLACK/BLACK		START/STOP OR BLANK
G022-GR33D	G02-GR33D N34	GOL2GR33	GREEN/RED		START/STOP OR BLANK
G022-KK33D	G02-KK33D N34	GOL2KK33	BLACK/BLACK		START/STOP OR BLANK
G022-GR00D	G02-GR00D N34	GOL2GR	GREEN/RED	NONE	START/STOP OR BLANK
G022-KK00D	G02-KK00D N34	GOL2KK	BLACK/BLACK		START/STOP OR BLANK

G DOUBLE PUSH BUTTON (MAINTAINED CONTACT) ^⑤					
—	GOR11-GR6D N34	—	GREEN/RED		START/STOP OR BLANK
—	GOR11-GR7D N34	—	GREEN/RED		START/STOP OR BLANK
—	GOR11-GR8D N34	—	GREEN/RED		START/STOP OR BLANK
—	GOR11-GR0D N34	—	GREEN/RED	NONE	START/STOP OR BLANK

① Refer to catalog page C62 to select proper operator for enclosure, pages C70 & C71 for accessories, page C62 for complete details on Area Classification of operators, page C74 for Dimensional information.

② Nameplates are double sided.

③ Contact Blocks are shown in their normal position.

④ Short style operators are suitable for Class I Group C & D, Class II Group E,F,G only.

⑤ When pressed, the green button will remain in a depressed position. Pressing red button releases green from the depressed position.



PILOT LIGHTS



Pilot Light



Illuminated Button

Class I, Div. 1 & 2, Groups B, C, D^④
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)

See Area Classification Chart
 page C62 for Details

LISTED - File E12379

Certified - File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

G PILOT LIGHTS					
CATALOG NUMBER ^①			COLOR	CONTACT TYPE ^③	NAMEPLATE MARKING ^②
SHORT ^④	LONG	EXTENDED			
G023-A23C	GOB3-A23C N34	GOL3A	AMBER	110-120 VOLTS FULL VOLTS	BLANK
G023-B23C	GOB3-B23C N34	GOL3B	BLUE		BLANK
G023-C23C	GOB3-C23C N34	GOL3C	CLEAR		BLANK
G023-F23C	GOB3-F23C N34	GOL3F	FROSTED		BLANK
G023-G23C	GOB3-G23C N34	GOL3G	GREEN		BLANK
G023-R23C	GOB3-R23C N34	GOL3R	RED		BLANK

G PILOT LIGHTS WITH LED 110 VOLT LAMPS					
—	GOB3-A23C N34 LED	GOL3A LED	AMBER	110-120 VOLTS FULL VOLTS (LED)	BLANK
—	GOB3-G23C N34 LED	GOL3G LED	GREEN		BLANK
—	GOB3-R23C N34 LED	GOL3R LED	RED		BLANK

G ILLUMINATED BUTTON OR PUSH TO TEST PILOT LIGHT					
—	GOB4-A233C N34	GOL4A3	AMBER	110-120 VOLTS FULL VOLTS	BLANK
—	GOB4-B233C N34	GOL4B3	BLUE		BLANK
—	GOB4-C233C N34	GOL4C3	CLEAR		BLANK
—	GOB4-F233C N34	GOL4F3	FROSTED	110-120 VOLTS FULL VOLTS	BLANK
—	GOB4-G233C N34	GOL4G3	GREEN		BLANK
—	GOB4-R233C N34	GOL4R3	RED	110-120 VOLTS NO CONTACT BLOCKS	BLANK
—	GOB4-A230C N34	GOL4A	AMBER		BLANK
—	GOB4-B230C N34	GOL4B	BLUE		BLANK
—	GOB4-C230C N34	GOL4C	CLEAR		BLANK
—	GOB4-F230C N34	GOL4F	FROSTED		BLANK
—	GOB4-G230C N34	GOL4G	GREEN		BLANK
—	GOB4-R230C N34	GOL4R	RED		BLANK

G ILLUMINATED BUTTON OR PUSH TO TEST PILOT LIGHT WITH LED 110 VOLT LAMPS					
—	GOB4-A233C N34 LED	GOL4A3 LED	AMBER	110-120 VOLTS FULL VOLTS (LED)	BLANK
—	GOB4-G233C N34 LED	GOL4G3 LED	GREEN		BLANK
—	GOB4-R233C N34 LED	GOL4R3 LED	RED		BLANK
—	GOB4-A230C N34 LED	GOL4A LED	AMBER	110-120 VOLTS (LED) NO CONTACT BLOCKS	BLANK
—	GOB4-G230C N34 LED	GOL4G LED	GREEN		BLANK
—	GOB4-R230C N34 LED	GOL4R LED	RED		BLANK

^① Refer to catalog page C62 to select proper operator for enclosure, pages C70 & C71 for accessories, page C62 for complete details on Area Classification of operators, page C74 for Dimensional information.

^② Nameplates are double sided.

^③ Contact Blocks are shown in their normal position.

^④ Short style operators are suitable for Class I Group C & D, Class II Group E, F, G and cULus only.



PILOT LIGHTS FOR ATEX / CENELEC APPLICATIONS



Pilot Light ATEX



Illuminated Push Button ATEX

Class I, Div. 1 & 2, Groups B, C, D
 Class I, Zones 1 & 2, Groups IIB+H₂, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)
 ATEX-EEExd IIB + H2

UL LISTED - File E12379

SPB Certified - File LR11714

Ex PTB No. 03ATEX 1203 U

FEATURES-SPECIFICATIONS

G PILOT LIGHTS				
CATALOG NUMBER ^①		COLOR	CONTACT TYPE ^③	NAME PLATE MARKING ^②
LONG	EXTENDED			
GOB3-A23C N34CN	GOL3ACN	AMBER	110-120 VOLTS FULL VOLTS	BLANK
GOB3-B23C N34CN	GOL3BCN	BLUE		BLANK
GOB3-C23C N34CN	GOL3CCN	CLEAR		BLANK
GOB3-F23C N34CN	GOL3FCN	FROSTED		BLANK
GOB3-G23C N34CN	GOL3GCN	GREEN		BLANK
GOB3-R23C N34CN	GOL3RCN	RED		BLANK
G PILOT LIGHTS WITH LED 110 VOLT LAMPS				
GOB3-A23C N34LEDCN	GOL3ALEDCN	AMBER	110-120 VOLTS FULL VOLTS (LED)	BLANK
GOB3-G23C N34LEDCN	GOL3GLEDCN	GREEN		BLANK
GOB3-R23C N34LEDCN	GOL3RLEDCN	RED		BLANK
G ILLUMINATED PUSH BUTTON OR PUSH TO TEST PILOT LIGHT				
GOB4-A233CN34CN	GOL4A3CN	AMBER	110-120 VOLTS FULL VOLTS	BLANK
GOB4-B233CN34CN	GOL4B3CN	BLUE		BLANK
GOB4-C233CN34CN	GOL4C3CN	CLEAR		BLANK
GOB4-F233CN34CN	GOL4F3CN	FROSTED		BLANK
GOB4-G233CN34CN	GOL4G3CN	GREEN		BLANK
GOB4-R233CN34CN	GOL4R3CN	RED		BLANK
GOB4-A230CN34CN	GOL4A0CN	AMBER	110-120 VOLTS FULL VOLTS (LED)	BLANK
GOB4-B230CN34CN	GOL4B0CN	BLUE		BLANK
GOB4-C230CN34CN	GOL4C0CN	CLEAR		BLANK
GOB4-F230CN34CN	GOL4F0CN	FROSTED		BLANK
GOB4-G230CN34CN	GOL4G0CN	GREEN		BLANK
GOB4-R230CN34CN	GOL4R0CN	RED		BLANK
GOB4-A233CN34LEDCN	GOL4A3LEDCN	AMBER	110-120 VOLTS FULL VOLTS (LED)	BLANK
GOB4-G233CN34LEDCN	GOL4G3LEDCN	GREEN		BLANK
GOB4-R233CN34LEDCN	GOL4R3LEDCN	RED		BLANK
GOB4-A230CN34LEDCN	GOL4A0LEDCN	AMBER	110-120 VOLTS (LED) NO CONTACT BLOCKS	BLANK
GOB4-G230CN34LEDCN	GOL4G0LEDCN	GREEN		BLANK
GOB4-R230CN34LEDCN	GOL4R0LEDCN	RED		BLANK

① Refer to catalog page C62 to select proper operator for enclosure, pages C70 & C71 for accessories, page C62 for complete details on Area Classification of operators, page C74 for Dimensional information.
 ② Nameplates are double sided.
 ③ Contact Blocks are shown in their normal position.

NOTE: British standards BSEN50014 and EN50018 have special marking and relamping demands that require modifications to the standard Killark Pilot Lights. Pilots lights and illuminated push buttons on this page must be used for enclosures that are modified to meet ATEX/CENELEC.



SELECTOR SWITCHES



Selector Switch

Class I, Div. 1 & 2, Groups B, C, D^④
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)

See Area Classification Chart
 page C62 for Details

LISTED - File E12379

Certified - File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

G SELECTOR SWITCH MAINTAINED CONTACT												
CATALOG NUMBER ^①			CONTACT ARRANGEMENT ^③	TYPE OF OPERATION ^②								
SHORT ^④	LONG	EXTENDED										
G025-2A3F	G05-2A3F N34	G0L52A3	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>	LEFT	RIGHT			TWO POSITION				
LEFT	RIGHT											
G025-3C3G	G05-3C3G N34	G0L53C3	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">CENTER</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>	LEFT	CENTER	RIGHT				THREE POSITION		
LEFT	CENTER	RIGHT										
G025-4H8H	G05-4H8H N34	G0L54H8	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>	1	2	3	4					FOUR POSITION
1	2	3	4									

G SELECTOR SWITCH MAINTAINED CONTACT WITHOUT CONTACTS				
G025-2A0F	G05-2A0F N34	G0L52A	NONE	TWO POSITION
G025-3C0G	G05-3C0G N34	G0L53C	NONE	THREE POSITION
G025-4H0H	G05-4H0H N34	G0L54H	NONE	FOUR POSITION

G SELECTOR SWITCH SPRING RETURN										
G026-3F	G06-3F N34	G0L63	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>	LEFT	RIGHT			TWO POSITION SPRING RETURN TO LEFT 1 N.O./1 N.C		
LEFT	RIGHT									
G027-6G	G07-6G N34	G0L76	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">CENTER</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>	LEFT	CENTER	RIGHT				THREE POSITION SPRING RETURN TO CENTER FROM RIGHT OR LEFT 2 N.O.
LEFT	CENTER	RIGHT								
G034-6G	G014-6G N34	G0L146	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">CENTER</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>	LEFT	CENTER	RIGHT				THREE POSITION SPRING RETURN TO CENTER FROM RIGHT, MAINTAIN IN LEFT 2 N.O.
LEFT	CENTER	RIGHT								
G035-6G	G015-6G N34	G0L156	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">CENTER</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>	LEFT	CENTER	RIGHT				THREE POSITION SPRING RETURN TO CENTER FROM LEFT, MAINTAIN IN RIGHT 2 N.O.
LEFT	CENTER	RIGHT								

G SELECTOR SWITCH SPRING RETURN WITHOUT CONTACTS				
G026-0F	G06-0F N34	G0L6	NONE	TWO POSITION SPRING RETURN TO LEFT
G027-0G	G07-0G N34	G0L7	NONE	THREE POSITION SPRING RETURN TO CENTER FROM RIGHT OR LEFT
G034-0G	G014-0G N34	G0L14	NONE	THREE POSITION SPRING RETURN TO CENTER FROM RIGHT, MAINTAIN IN LEFT
G035-0G	G015-0G N34	G0L15	NONE	THREE POSITION SPRING RETURN TO CENTER FROM LEFT, MAINTAIN IN RIGHT

^① Refer to catalog page C62 to select proper operator for enclosure, C70 & C71 for Accessories, C62 for complete details on Area Classification of operators, C74 for Dimensional Information, C72 for Special Contact Configurations.

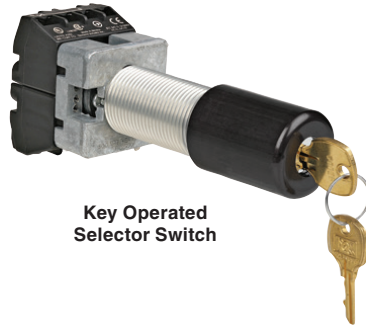
^② Nameplates are Double sided. 2 position marked OFF-ON and Blank on other side. 3 position marked HAND-OFF-AUTO and Blank on other side. 4 position is Blank.

^③ Contact Blocks are shown in their normal position.

^④ Short style operators are suitable for Class I Group C & D, Class II Group E,F,G only.



KEYED SELECTOR SWITCHES



Key Operated Selector Switch

Class I, Div. 1 & 2, Groups B, C, D®
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)

See Area Classification Chart
 page C62 for Details

LISTED - File E12379

Certified - File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

G KEY SELECTOR SWITCH MAINTAINED CONTACT ^④										
CATALOG NUMBER ^①			CONTACT ARRANGEMENT ^③	TYPE OF OPERATION ^{②⑤}						
SHORT ^⑥	LONG	EXTENDED								
G028-2A3F22D	G08-2A3F22D N34	G0L82A322D	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table>	LEFT	RIGHT			TWO POSITION		
LEFT	RIGHT									
G028-3C3G32D	G08-3C3G32D N34	G0L83C332D	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">CENTER</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table>	LEFT	CENTER	RIGHT				THREE POSITION
LEFT	CENTER	RIGHT								

G KEY SELECTOR SWITCH MAINTAINED CONTACT WITHOUT CONTACTS ^④				
G028-2A0F22D	G08-2A0F22D N34	G0L82A022D	NONE	TWO POSITION
G028-3C0G32D	G08-3C0G32D N34	G0L83C032D	NONE	THREE POSITION

G KEY SELECTOR SWITCH SPRING RETURN ^④										
G056-2L3F22D	G036-2L3F22D N34	G0L36L322D	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table>	LEFT	RIGHT			TWO POSITION SPRING RETURN TO LEFT 1 N.O./1 N.C.		
LEFT	RIGHT									
G057-3C6G32D	G037-3C6G32D N34	G0L37C632D	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">CENTER</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table>	LEFT	CENTER	RIGHT				THREE POSITION SPRING RETURN TO CENTER FROM RIGHT OR LEFT 2 N.O.
LEFT	CENTER	RIGHT								
G058-3L6G32D	G038-3L6G32D N34	G0L38L632D	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">CENTER</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table>	LEFT	CENTER	RIGHT				THREE POSITION SPRING RETURN TO CENTER FROM RIGHT, MAINTAIN IN LEFT 2 N.O.
LEFT	CENTER	RIGHT								
G059-3R6G32D	G039-3R6G32D N34	G0L39R632D	<table style="display: inline-table; border: none;"> <tr> <td style="text-align: center;">LEFT</td> <td style="text-align: center;">CENTER</td> <td style="text-align: center;">RIGHT</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table>	LEFT	CENTER	RIGHT				THREE POSITION SPRING RETURN TO CENTER FROM LEFT, MAINTAIN IN RIGHT 2 N.O.
LEFT	CENTER	RIGHT								

G KEY SELECTOR SWITCH SPRING RETURN WITHOUT CONTACTS ^④				
G056-2L0F22D	G036-2L0F22D N34	G0L36L022D	NONE	TWO POSITION SPRING RETURN TO LEFT
G057-3C0G32D	G037-3C0G32D N34	G0L37C032D	NONE	THREE POSITION SPRING RETURN TO CENTER FROM RIGHT OR LEFT
G058-3L0G32D	G038-3L0G32D N34	G0L38L032D	NONE	THREE POSITION SPRING RETURN TO CENTER FROM RIGHT, MAINTAIN IN LEFT
G059-3R0G32D	G039-3R0G32D N34	G0L39R032D	NONE	THREE POSITION SPRING RETURN TO CENTER FROM LEFT, MAINTAIN IN RIGHT

- ① Refer to catalog page C62 to select proper operator for enclosure, pages C70 & C71 for Accessories, page C62 for complete details on Area Classification of operators, page C74 for Dimensional Information, page C72 for Special Contact Configurations.
- ② Nameplates are Double sided. 2 position marked OFF-ON and Blank on other side. 3 position marked HAND-OFF-AUTO and Blank on other side. 4 position is Blank.
- ③ Contact Blocks are shown in their normal position.
- ④ All Key Operators are furnished Keyed Different If Keyed Alike is required substitute letter "A" for letter "D" in catalog number.
- ⑤ Keys are removable in Left position on 2 position selectors and in Center position on 3 position selectors. For key removal in ALL positions change "22" in 2 position to "20" and "32" in 3 position to "30".
- ⑥ Short style operators are suitable for Class I Group C & D, Class II Group E,F,G only.



SPECIALTY OPERATORS

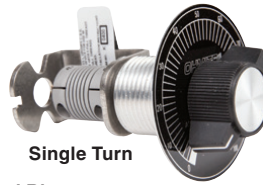


Snap Switch



Multi Turn

Potentiometer and Rheostat
(electrical device not included)



Single Turn



Rotary or Motor Shaft



Capillary Seal



Reset

Class I, Div. 1 & 2, Groups B, C, D^④
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)

See Area Classification Chart
 page C62 for Details



Certified - File LR11714
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

G SNAP SWITCH OPERATOR					
CATALOG NUMBER ^①		TYPE SWITCH	RATINGS		NAMEPLATE MARKING ^②
SHORT ^④	LONG		125 VAC	250 VAC	
GO30-31F	GO10-31F N34	SPST	10 AMP	5 AMP	OFF/ON OR BLANK
GO30-33F	GO10-33F N34	SPDT (3-WAY)	10 AMP	10 AMP	OFF/ON OR BLANK

(UL File E10501)

G ROTARY OR MOTOR SHAFT OPERATOR			
CATALOG NUMBER ^①	SHAFT DIAMETER	TYPE	DESCRIPTION ^①
GO-16 ^⑤	1/4"	MALE-FEMALE	Rotary or motor shaft operator used to transfer rotary motion through wall of explosion proof enclosure.
GO-18 ^⑤	3/8"		
GO-17 ^⑤	1/4"	MALE-MALE	
GO-19 ^⑤	3/8"		
GO-51	1/2"		

G POTENTIOMETERS AND RHEOSTATS OPERATOR				
CATALOG NUMBER ^①			TYPE	DESCRIPTION ^①
SHORT ^④	LONG	EXTENDED		
GO133	GO113 N34	GOL113	SINGLE TURN	Control operator for use with potentiometers or rheostats having a 1/4" diameter by 7/8" long shaft. NOT SUPPLIED
GO134	GO114 N34	GOL114	TWENTY TURN	

(UL File E150827)

G CAPILLARY SEALS			
CATALOG NUMBER ^①	CAPILLARY SIZE	TYPE	DESCRIPTION ^①
GO-11388-078 ^⑤	0.078± .002 DIA.	ACCEPTS CAPILLARY WITH MAX. BULB DIA. OF 9/16".	Use where a mechanical means for passing a thermostat or similar capillary tube through the wall of a hazardous location enclosure.
GO-11372-093 ^⑤	0.093± .002 DIA.		

G RESET OPERATOR				
CATALOG NUMBER ^①			NAMEPLATE ^②	TYPE OPERATION ^①
SHORT ^④	LONG	EXTENDED		
GO40-KX2C	GO-RST	GOLRST	RESET OR BLANK	Black plunger type reset operator, supplied with a 6" long fiber extension which can be removed or cut to desired length.

(UL File E150827)

① Refer to catalog page C62 to select proper operator for enclosure, pages C70 & C71 for Accessories, page C62 for complete details on Area Classification of operators, page C74 for Dimensional Information.

② Nameplates are double sided.

③ GO40 series reset button is suitable for Class II E, F, and G locations only.

④ Short style operators are suitable for Class I Group C & D, Class II Group E, F, G only.

⑤ These devices are not UL or CSA approved.



CONTROLS

OPERATOR BODIES



Style 1 - GCS-16



Style 2 - GCS-163



Style 3 - SWBC-16

Class I, Div. 1 & 2, Groups C, D
 Class I, Zones 1 & 2, Groups IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 7 (C, D) 9 (E, F, G)
 SWBC Series:

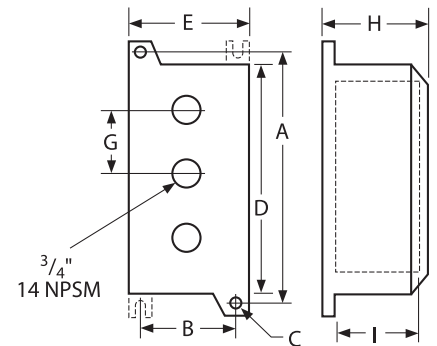
UL LISTED - File E10514

SP Certified - File LR11716
 See files for details or call Killark.

FEATURES-SPECIFICATIONS

GCS STYLE 1 – WITH DRILLED AND TAPPED OPERATOR HOLES IN COVER ^①											
CATALOG	NO. OF OPERATOR HOLES	CONSISTS OF		DIMENSIONS							
		BOX	COVER	A	B	C	D	E	G	H	I
GCS-13	1	SWB-13	X-60	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-3/16" (148)	3-5/8" (92)	—	3-1/2" (89)	2-9/16" (65)
GCS-14	1	SWB-14	X-60	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-1/4" (133)	3-5/8" (92)	—	4-5/16" (110)	3-3/8" (86)
GCS-15	2	SWB-15	X-61	7-3/8" (187)	3-1/8" (79)	5/16" (8)	6-1/2" (165)	4" (102)	1" (25)	4-1/4" (108)	3-1/4" (82)
GCS-16	3	SWB-16	X-62	9-3/8" (238)	3-3/16" (81)	5/16" (8)	8-1/2" (216)	4" (108)	2" (51)	4-1/4" (105)	3-1/4" (82)
GCS-83	4	SWB-83 ^②	X-84	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	1-1/4" (32)	4-3/16" (106)	3-1/4" (82)
GCS-85	5	SWB-83 ^②	X-85	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	2" (51)	4-3/16" (106)	3-3/16" (81)

Dimensions



Notes: Use short style operators for cover devices and long style operators for back of box mounted devices when panel mounting. Style 2 only. Style 2 control stations with holes in back of box are typically used for panel mounting where additional length of long style operators is required.

GCS STYLE 2 – WITH DRILLED AND TAPPED OPERATOR HOLES IN BACK OF BOX ^①											
CATALOG	NO. OF OPERATOR HOLES	BOX	COVER	A	B	C	D	E	G	H	I
GCS-131	1	SWB-13	X-10	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-3/16" (148)	3-5/8" (92)	—	3-1/2" (89)	2-9/16" (65)
GCS-141	1	SWB-14	X-10	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-1/4" (133)	3-5/8" (92)	—	4-5/16" (110)	3-3/8" (86)
GCS-152	2	SWB-15	X-11	7-3/8" (187)	3-1/8" (79)	5/16" (8)	6-1/2" (165)	4" (102)	1" (25)	4-1/4" (108)	3-1/4" (82)
GCS-163	3	SWB-16	X-12	9-3/8" (238)	3-3/16" (81)	5/16" (8)	8-1/2" (216)	4" (102)	2" (51)	4-1/4" (108)	3-1/4" (82)
GCS-834	4	SWB-83 ^②	X-83	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	1-1/4" (32)	4-3/16" (106)	3-1/4" (82)
GCS-835	5	SWB-83 ^②	X-83	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	2" (51)	4-3/16" (106)	3-3/16" (81)

SWBC STYLE 3 – BLANK BOX AND COVER – NO OPERATOR HOLES ^①											
CATALOG	NO. OF OPERATOR HOLES	BOX	COVER	A	B	C	D	E	G	H	I
SWBC-13	NONE	SWB-13	X-10	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-3/16" (148)	3-5/8" (92)	—	3-1/2" (89)	2-9/16" (65)
SWBC-14	NONE	SWB-14	X-10	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-1/4" (133)	3-5/8" (92)	—	4-5/16" (110)	3-3/8" (86)
SWBC-15	NONE	SWB-15	X-11	7-3/8" (187)	3-1/8" (79)	5/16" (8)	6-1/2" (165)	4" (102)	—	4-1/4" (108)	3-1/4" (82)
SWBC-16	NONE	SWB-16	X-12	9-3/8" (238)	3-3/16" (81)	5/16" (8)	8-1/2" (216)	4" (111)	—	4-1/4" (108)	3-1/4" (82)
SWBC-83	NONE	SWB-83 ^②	X-83	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	—	4-3/16" (106)	3-3/16" (81)

① All GCS and SWBC Series are cataloged without conduit openings. Specify conduit size and location when ordering.
 ② GCS-83, GCS-834, and GCS-85, GCS-835 are provided with four mounting lugs.



ACCESSORIES / REPLACEMENT PARTS



Rubber Boot



Hole Plug



Trim Locknut Spacer



Transformer GO-8670



Push Button Lockout GO-8665



Push Button Lockout GO-10502

ACCESSORIES		
CATALOG NUMBER	USED ON OPERATOR TYPE	DESCRIPTION
GO-8176-1	GO1, GO21, GOL1	Protective rubber boot (Black)
GO-8176-2	GO1, GO21, GOL1	Protective rubber boot (Red)
GO-8176-3	GO1, GO21, GOL1	Protective rubber boot (Green)
GO-8177	3/4" NPSM	Hole plug
GO-8222	1/4" Thick, Used as external spacer.	Trim locknut spacer
GO-8670-32	GO23, GOB3, GOL3	Transformer 220V-110V
GO-8670-34	GO23, GOB3, GOL3	Transformer 440V-110V
GO-8671-42	GOB4, GOL4	Transformer 220V-110V
GO-8671-44	GOB4, GOL4	Transformer 440V-110V
GO-8665	GO2, GO22, GOL2, GOR11	Push button lockout
GO-10502	GO1, GO21, GOL1	Push button lockout
GO567-LOK	GO & GOL5-6-7-14-15-26-27-34-35	Selector switch lockout
GO-RL	For use with GO's	Sealing lockout
GO-9824	GO40, GO-RST, GOLRST	Reset plate
B7PLR220	GO23, GOB3, GOL3, GOB4, GOL4	Resistor kit 220V-110V
B7PLR440	GO23, GOB3, GOL3, GOB4, GOL4	Resistor kit 440V-110V
B7PLR550	GO23, GOB3, GOL3, GOB4, GOL4	Resistor kit 550V-110V
KIT-GOTB	GOB3, GOL3, GOB4, GOL4	Terminal Block, 2 Point



Selector Switch Lockout



Reset Plate



Sealing Locknut GO-RL



2 Pt. Terminal Block KIT-GOTB

REPLACEMENT LENS GUARD ASSEMBLIES - "GO" PILOT LIGHTS		
CATALOG NUMBER		LENS COLOR
GOL3/GOB3/GO23 SERIES	GOL4/GOB4 SERIES	
GO15726-A	KIT-354	AMBER
GO15726-B	KIT-355	BLUE
GO15726-C	KIT-356	CLEAR
GO15726-F	KIT-357	FROSTED
GO15726-G	KIT-358	GREEN
GO15726-R	KIT-359	RED



Lens Guard Assembly

REPLACEMENT BLANK NAMEPLATES - "GO" OPERATORS	
CATALOG NUMBER	DESCRIPTION
YOKK-9484-2	PUSH BUTTON PILOT LIGHTS
YOKK-10291	DOUBLE PUSH BUTTON
YOKK-10286	2 POSITION SELECTOR SWITCH
YOKK-10287	3 POSITION SELECTOR SWITCH
YOKK-10285	4 POSITION SELECTOR SWITCH

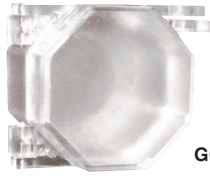


"GO" Legend Plate



CONTROLS

ACCESSORIES / REPLACEMENT PARTS



GOMLOCK



Standard Mushroom
Momentary &
Maintained



Jumbo Mushroom
Momentary

ACCESSORIES		
CATALOG NUMBER	FOR USE ON OPERATOR TYPE	DESCRIPTION
GOMLOCK	GOM1-GOM21-GOML-GO1-GO21-GOL1	LOCK OUT FOR STANDARD SIZE MOMENTARY & MAINTAINED HEAD
GOMSTG	GO1-GO21-GOL1	STANDARD SIZE MOMENTARY MUSHROOM HEAD (GREEN)
GOMSTR	GO1-GO21-GOL1	STANDARD SIZE MOMENTARY MUSHROOM HEAD (RED)
GOMSTK	GO1-GO21-GOL1	STANDARD SIZE MOMENTARY MUSHROOM HEAD (BLACK)
GOMJUR	GO1-GO21-GOL1	JUMBO SIZE MOMENTARY MUSHROOM HEAD (RED)
KIT-GOMR	GOM1-GOM21	STANDARD SIZE MAINTAINED MUSHROOM HEAD (RED)
KIT-GOMG	GOML-GO1	STANDARD SIZE MAINTAINED MUSHROOM HEAD (GREEN)
KIT-GOMK	GO21-GOL1	STANDARD SIZE MAINTAINED MUSHROOM HEAD (BLACK)

Dimensions — Standard Mushroom – 1-1/2" Diameter Jumbo Mushroom – 2-1/4" Diameter

Replacement Parts



Slide Base
G023



Bayonet Base
GOL3/GOL4
GOB3/GOB4

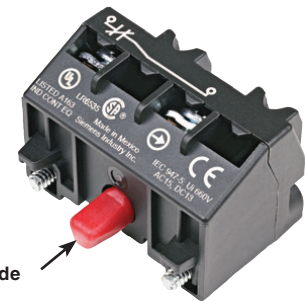


LED Lamp for
GOB3/GOL3 - GOB4/GOL4

PILOT LIGHT LAMPS				
CATALOG NUMBER	VOLTS	WATTS	AMPS	STYLE
GO-8668-120	120	3	0.025	G023
GO-8668-24	24	1.7	0.073	
YOSY120MB	120	3	0.025	GOB3/GOL3
YOSY24MB	24	1.7	0.073	GOB4/GOL4

PILOT LIGHT LED LAMPS		
CATALOG NUMBER	VOLTS	COLOR
GOLED-A110	110 VAC/DC	AMBER
GOLED-B110	110 VAC/DC	BLUE
GOLED-G110	110 VAC/DC	GREEN
GOLED-R110	110 VAC/DC	RED
GOLED-W110	110 VAC/DC	WHITE
GOLED-A24	24 VAC/DC	AMBER
GOLED-B24	24 VAC/DC	BLUE
GOLED-G24	24 VAC/DC	GREEN
GOLED-R24	24 VAC/DC	RED
GOLED-W24	24 VAC/DC	WHITE
GOLED-A240 [Ⓢ]	220/240 VAC	AMBER
GOLED-B240 [Ⓢ]	220/240 VAC	BLUE
GOLED-G240 [Ⓢ]	220/240 VAC	GREEN
GOLED-R240 [Ⓢ]	220/240 VAC	RED
GOLED-W240 [Ⓢ]	220/240 VAC	WHITE

[Ⓢ] Not for use with ATEX operators.



Color Code

Finger Safe with Gold Flashing as Standard

GO STANDARD CONTACT BLOCKS*		
CATALOG NUMBER	DESCRIPTION	COLOR CODE
GO-8673-BJK	1 N.O.	WHITE
GO-8673-BJJ	1 N.C.	RED
GO-8673-BJH	1 N.O. EARLY MAKE	GREEN
GO-8673-BJE	1 N.C. LATE BREAK	YELLOW
GO-8673-BJKJ	1 N.O./1 N.C.	BLACK

* 600VAC Max., 10 Amps, A600/P600
Dimensions: 1.63"L x 1.06"W x 1"Deep

New series finger safe contact blocks can be stacked on to older series "E" type blocks. However "E" type contact blocks cannot be stacked on to finger safe blocks.



CUSTOM OPERATOR ORDERING SYSTEM

Example: G01 — RX 2 B N34
 FORM **COLOR** **CONTACTS** **NAMEPLATE** **CONSTANT**
 SINGLE PUSH BUTTON **(RED)** **(1 N.C.)** **(STOP)**
 LONG STYLE

NOTE: For faster delivery on custom operators order push buttons and selector switches without contact blocks and order contacts as a separate item.

FEATURES-SPECIFICATIONS

1. Select operator form and style (short, long or extended).
2. Using the catalog numbering system below, insert the proper letter or number symbol as shown in appropriate charts on page C73, write the complete catalog number.
3. Spaces in catalog numbering system which have symbol already filled in cannot be changed.
4. Order accessories as separate item from pages C70 & C71.
5. Add "N34" suffix to the end of all long style operators with the following prefix: G01, G02, G0B3, G0B4, G05, G06, G07, G08, G010, G011, G014, G015, G036, G037, G038, G039.

CATALOG SERIES	COLOR	VOLTAGE	POSITION	CAM	CONTACTS	NAMEPLATE	KEY LOCK	KEY TYPE	DESCRIPTION
G01 & G021 GOL1	CHART 1				CHART 4	CHART 8			SINGLE PUSH BUTTON: (MOMENTARY CONTACT)
G0M1	CHART 1				CHART 4	CHART 8			SINGLE PUSH BUTTON: (MAINTAINED CONTACT)
G02 & G022 GOL2	CHART 2				CHART 4	CHART 8			DOUBLE PUSH BUTTON: (MOMENTARY CONTACT)
G0R11	CHART 2				CHART 4	CHART 8			DOUBLE PUSH BUTTON: (MAINTAINED CONTACT)
G0B3 & G023 GOL3	CHART 3	CHART 6				CHART 8			PILOT LIGHT
G0B4 GOL4	CHART 3	CHART 6			CHART 4	CHART 8			ILLUMINATED PUSH BUTTON
G05 & G025 GOL5			CHART 5	CHART 7	CHART 4	CHART 8			SELECTOR SWITCH (MAINTAINED CONTACT)
G06 & G026 GOL6					CHART 4	CHART 8			SELECTOR SWITCH (2 POSITION, SPRING RETURN TO LEFT)
G07 & G027 GOL7					CHART 4	CHART 8			SELECTOR SWITCH (3 POSITION, RETURN TO CENTER FROM CENTER)
G014 & G034 GOL14					CHART 4	CHART 8			SELECTOR SWITCH (3 POSITION, RETURN TO CENTER FROM RIGHT)
G015 & G035 GOL15					CHART 4	CHART 8			SELECTOR SWITCH (3 POSITION, RETURN TO CENTER FROM LEFT)
G08 & G028 GOL8			CHART 5	CHART 7	CHART 4	CHART 8	CHART 9	CHART 10	KEY SELECTOR SWITCH (MAINTAINED CONTACT)
G036 & G056 GOL36					CHART 4	CHART 8	CHART 9	CHART 10	KEY SELECTOR SWITCH (2 POSITION, SPRING RETURN TO LEFT)
G037 & G057 GOL37					CHART 4	CHART 8	CHART 9	CHART 10	KEY SELECTOR SWITCH (3 POSITION, SPRING RETURN TO CENTER)
G038 & G058 GOL38					CHART 4	CHART 8	CHART 9	CHART 10	KEY SELECTOR SWITCH (3 POSITION, RETURN TO CENTER FROM RIGHT)
G039 & G059 GOL39					CHART 4	CHART 8	CHART 9	CHART 10	KEY SELECTOR SWITCH (3 POSITION, RETURN TO CENTER FROM LEFT)



G SYMBOLS FOR ORDERING CUSTOM OPERATORS

CHART 1 – SINGLE BUTTON				
G01 SYMBOL	G021 SYMBOL	G0L1 SYMBOL	G0M1 SYMBOL	COLOR
KX	KZ	K	KM	BLACK
RX	RZ	R	RM	RED
GX	GZ	G	GM	GREEN

CHART 2 – DOUBLE BUTTON	
SYMBOL	COLOR
KK	BLACK/BLACK
GG	GREEN/GREEN
RR	RED/RED
RG	RED/GREEN
KR	BLACK/RED
KG	BLACK/GREEN

CHART 3 – PILOT LIGHT LENS	
SYMBOL	COLOR
A	AMBER
B	BLUE
C	CLEAR
F	FROSTED
G	GREEN
R	RED

CHART 4 – CONTACT BLOCKS	
SYMBOL	ARRANGEMENT
1	ONE N.O. BLOCK
2	ONE N.C. BLOCK
3	ONE UNIVERSAL (ONE N.O. AND ONE N.C.)
4	ONE DELAYED BREAK N.C. BLOCK
5	ONE EARLY MAKE N.O. BLOCK
6	TWO N.O. BLOCKS
7	TWO N.C. BLOCKS
8	TWO UNIVERSAL (TWO N.O. AND TWO N.C.)
0	OMIT CONTACT BLOCK

CHART 5 – SELECTOR SWITCHES	
SYMBOL	NO. OF POSITIONS
2	TWO
3	THREE

CHART 6 – PILOT LIGHT LAMPS		
G023 SYMBOL	GOB3/GOB4 SYMBOL	VOLTAGE
23	23	120
4	4	24
40	40	240

CHART 7A – SELECTOR SWITCH CAMS							
CAM AND CONTACT SELECTION TABLE FOR 2 AND 3 POSITION SELECTOR OPERATOR							
		LEFT POSITION		CENTER POSITION		RIGHT POSITION	
SYMBOL	CONTACTS BLOCKS	LEFT/TOP BLOCKS	RIGHT/BOT BLOCKS	LEFT/TOP BLOCKS	RIGHT/BOT BLOCKS	LEFT/TOP BLOCKS	RIGHT/BOT BLOCKS
A	NC	X	X			0	0
	NO	0	0			X	X
B	NC	X	0	X	X	0	X
	NO	0	X	0	0	X	0
C	NC	X	X	0	0	0	0
	NO	0	0	0	0	X	X
D	NC	0	0	X	X	0	0
	NO	0	0	0	0	X	X
G	NC	X	0	0	X	0	0
	NO	0	0	0	0	X	X

Note: Spring return operators are supplied with special fixed cam. Changes cannot be made for cam substitution.

CHART 7B	
CAM	PART NUMBER
A	0106775B
B	11586ABAB
C	11587ABAB
D	11588ABAB
G	11590ABAB

CHART 8 – NAMEPLATES ^①			
SYMBOL	NAMEPLATE MARKINGS		G SERIES FORMS THAT NAMEPLATE CAN BE USED ON
	FRONT	BACK	
A	OMIT NAMEPLATE	OMIT NAMEPLATE	ALL
B	START	STOP	G01, 21, 23, 20, 40, GOB3
C	BLANK	RESET	G01, 21, 23, 20, 40, GOB3, GOB4
E	BLANK	ON	GOR4
F	BLANK-BLANK	OFF-ON	G05, 25, 6, 26, 8, 28, 10, 30, 36, 56
G	BLANK-BLANK-BLANK	HAND-OFF-AUTO	G05, 25, 7, 27, 8, 28, 10, 30, 14, 34
H	BLANK-BLANK-BLANK-BLANK	START-STOP	G05, 25, 10, 30

^① Symbol not required on extended length GOL part number.

CHART 9 – KEY LOCK	
SYMBOL	TYPE
22	2 POSITION KEY REMOVE LEFT
20	2 POSITION KEY REMOVE BOTH
32	3 POSITION KEY REMOVE CENTER
30	3 POSITION KEY REMOVE ALL

CHART 10 - KEY STYLE	
SYMBOL	TYPE
D	KEYS DIFFERENT
A	KEYS ALIKE



DIMENSIONS

G DIMENSIONS					
SERIES	FIGURE	A	B	C	D
GO1	1	15/16"(24)	1-3/4"(44)	3-7/16"(87)	1-1/4"(32)
GO2	3	13/16"(21)	2"(51)	3-3/4"(95)	—
GOB3	4	1-1/8"(29)	2"(51)	2-3/4"(70)	1-9/16"(40)
GOB4	5	2-3/8"(60)	2-1/4"(57)	4"(101)	1-13/16"(46)
GO5	9	1-5/16"(33)	1-3/4"(44)	3-7/16"(87)	1-1/4"(32)
GO6,GO7,GO14,GO15	9	1-5/16"(33)	1-3/4"(44)	3-13/16"(97)	1-1/4"(32)
GO8	10	2-9/16"(65)	1-3/4"(44)	3-1/2"(89)	1-1/4"(32)
GO10	11	1-5/16"(33)	1-3/4"(44)	4"(101)	1-1/4"(32)
GO16,GO18	7	1-1/4"(32)	1"(25)	13/16"(21)	1-1/2"(38)
GO17,GO19	7	13/16"(21)	1"(25)	13/16"(21)	1-1/2"(38)
GO21	1	15/16"(24)	3/4"(19)	2-7/16"(62)	1-1/4"(32)
GO22	3	13/16"(21)	1"(25)	2-3/4"(70)	—
GO23	4	1-1/8"(29)	1"(25)	1-3/4"(44)	1-9/16"(40)
GO25	9	1-5/16"(33)	3/4"(19)	2-7/16"(62)	1-1/4"(32)
GO26,GO27,GO34,GO35	9	1-5/16"(33)	3/4"(19)	2-13/16"(71)	1-1/4"(32)
GO30	11	1-5/16"(33)	3/4"(19)	3"(76)	1-1/4"(32)
GO36,GO37,GO38,GO39	10	2-9/16"(65)	1-3/4"(44)	3-7/8"(98)	1-1/4"(32)
GO40	2	15/16"(24)	11/16"(17)	1"(25)	1-1/4"(32)
GO50	7	1-1/2"(38)	2"(51)	6-5/16"(160)	2-5/16"(59)
GO51	7	2-1/4"(57)	1-5/8"(41)	5-9/16"(141)	1"(25)
GO56,GO57,GO58,GO59	10	2-9/16"(65)	3/4"(19)	2-7/8"(73)	1-1/4"(32)
GO113,GO114	6	1"(25)	2"(51)	3-5/8"(93)	1-13/16"(46)
GO133,GO134	6	1"(25)	1"(25)	2-5/8"(67)	1-13/16"(46)
GO-11388-078	8	1-5/16"(33)	3/4"(19)	N/A	1-1/2"(38)
GO-11372-093	8	1-5/16"(33)	3/4"(19)	N/A	1-1/2"(38)
GOR11	3	13/16"(21)	2"(51)	4-1/8"(105)	—
GO-RST	2	15/16"(24)	2-5/16"(59)	2-3/8"+6"(60)	1-1/4"(32)
GOM1	1	1-7/8"(48)	1-7/16"(37)	4"(101)	1-5/8"(41)
EXTENDED LENGTH OPERATORS:					
GOL1	1	15/16"(24)	2-3/4"(70)	4-7/16"(113)	1-1/4"(32)
GOL2	3	13/16"(210)	2-3/4"(70)	4-1/2"(114)	—
GOL3	4	1-1/8"(29)	2-3/4"(70)	3-3/8"(86)	1-9/16"(40)
GOL4	5	2-3/8"(60)	2-3/4"(70)	4-5/8"(117)	1-13/16"(46)
GOL5	9	1-5/16"(33)	2-3/4"(70)	4-7/16"(113)	1-1/4"(32)
GOL6,GOL7,GOL14,GOL15	9	1-5/16"(33)	2-3/4"(70)	4-13/16"(122)	1-1/4"(32)
GOL8	10	1-9/16"(40)	2-3/4"(70)	4-1/2"(114)	1-1/4"(32)
GOL36,GOL37,GOL38,GOL39	10	1-9/16"(40)	2-3/4"(70)	4-7/8"(124)	1-1/4"(32)
GOL113,GOL114	6	1"(25)	3"(76)	4-5/8"(117)	1-13/16"(46)
GOLRST	2	15/16"(24)	2-3/4"(70)	3"+6"(76)	1-1/4"(32)

NOTE: All operators are for installation into a 3/4"-14 NPSM opening except GO50 which is for 1-1/4"-11-12 NPSM and GO-11388-078 + GO-11372-093 which are for use in a 3/4"-14 NPT opening.

Special Operators

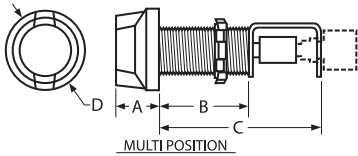


FIGURE 6

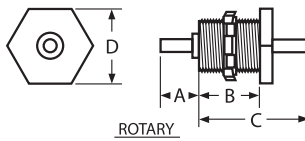


FIGURE 7

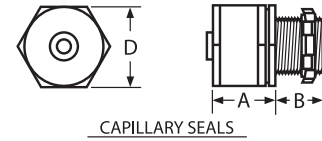


FIGURE 8

Selector Switches

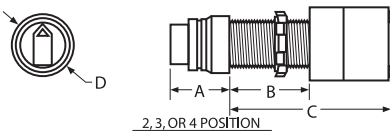


FIGURE 9

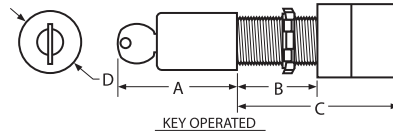


FIGURE 10

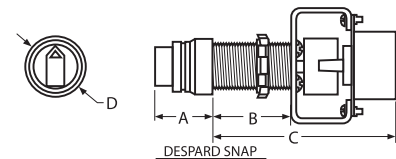


FIGURE 11

Push Buttons

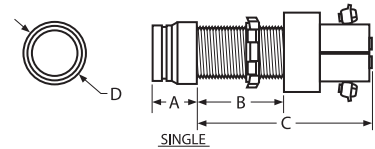


FIGURE 1

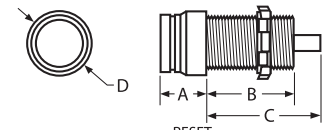


FIGURE 2

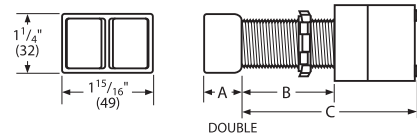


FIGURE 3

Pilot Lights

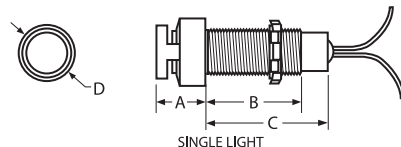


FIGURE 4

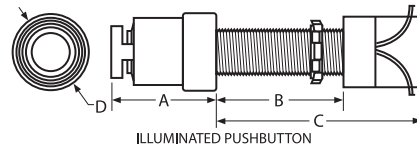


FIGURE 5



NOTES

A series of horizontal lines for taking notes, spanning most of the page width and starting below the 'NOTES' header.