



KILLARK®

INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

“XCS-OS” SERIES SPRING RETURN SELECTOR SWITCH ASSEMBLIES.
CLASS I, GROUPS C & D CLASS II, GROUPS E, F, & G
CLASS III HAZARDOUS LOCATIONS.



“XCS-OS” SERIES SPRING RETURN SELECTOR SWITCH ASSEMBLIES

CAUTION:

Before installing, make sure you are compliant with area classifications, failure to do so may result in bodily injury, death and property damage. Do not attempt installation until you are familiar with the following procedures. All installation must comply with the applicable Electrical Code.

Make sure that the circuit is de-energized before starting installation or maintenance.

Verify that the installation is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.

Technical information, advice and recommendations contained in these documents is based upon information that Killark believes to be reliable. All the information and advice contained in these documents is intended for use only by persons having been trained and possessing the requisite skill and know-how and to be used by such persons only at their own discretion and risk. The nature of these instructions is informative only and does not cover all of the details, variations or combinations in which this equipment may be used, its storage, delivery, installation, check out, safe operation and maintenance. Since conditions of use of the product are outside of the care, custody and control of Killark, the purchaser should determine the suitability of the product for his intended use, and assumes all risk and liability whatsoever in connection therewith.

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3940 Dr. Martin Luther King Drive
St. Louis, MO 63113

P/N 00901306 FORM NO. K0564 R09/08 ECO-3-037-08

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1. DIRECTIONS FOR INSTALLATION

CAUTION: Before beginning installation, make sure that the supplying circuit is turn **OFF**. Be sure the flame paths (cover to box mating surfaces and threaded openings) do not become damaged.

Do not install in a corrosive area which will attack the "copper free" aluminium alloys or stainless steel shaft unless the casting and parts have been protected against the specific corrosive environment.

Do not locate in areas where dust, ice, snow, or other substance will accumulate and thereby impair the rotary operation of the device. XCS-OS device are for surface mounting in hazardous atmospheres as defined by NEC article 500. They contain an electrical device and must be sealed from the conduit system as required by article 501-5. Type "ENY", "EY" or "EYS" series (or equivalent).

Install sealing fitting as required in class I & II areas.

(Note: For class I (5) and class II(3-1/2) full threads engagement are required).

The conduit threads should be lubricated with a non-electrical insulating lubricant, or pipe joint compound which will not promote corrosion or chemically attack aluminium.

After the conduit system has been properly installed, pull the wires and make the electrical connections as required.

The electrical circuits and ground continuity should be checked with an instrument approved for the area.

Flame Path machined on cover & box such that a 0.0015" Feeler gauge will not enter more than 1/8" when fully assembled & bolted to box. Care must be taken that surface is not damaged.

2. OPERATION

The mechanical action of these devices is rotary. The electrical action is dependent upon the cam configuration and the contact block used. (See chart). An accessory locking device may be used with the standard selector switch without alternations.

3. MAINTENANCE

The Shaft should be lubricated occasionally to prevent binding. Use Killark "LUBG" (general purpose) or Killark "LUBT" (high temperature) lubricants.

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XCS SPRING RETURN SELECTOR SWITCH			XCS-0S ARE HEAVY-DUTY..			
Two Position Spring Return to Left			600 VAC RATED.			
CATALOG NUMBER			TWO POSITION DIAGRAM			
COVER WITH DEVICE	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				

XCS SPRING RETURN SELECTOR SWITCH						
Three position Spring Return to Center From Right or Left						
CATALOG NUMBER			THREE POSITION DIAGRAM			
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		LEFT POSITION		CENTER POSITION	RIGHT POSITION
	DEAD - END	FEED - THRU	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0S3M6G	XCS42S3M6G	XCS45S3MG				

XCS SPRING RETURN SELECTOR SWITCH						
Three Position Spring Return to Center From Right, Maintain in left						
CATALOG NUMBER			THREE POSITION DIAGRAM			
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		LEFT POSITION		CENTER POSITION	RIGHT POSITION
	DEAD - END	FEED - THRU	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0S3L6G	XCS-42S3L6G	XCS-045S3L6G				

XCS SPRING RETURN SELECTOR SWITCH						
Three Position Spring Return to Center From Left, Maintain in Right						
CATALOG NUMBER			THREE POSITION DIAGRAM			
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		LEFT POSITION		CENTER POSITION	RIGHT POSITION
	DEAD - END	FEED-THRU	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0S3R6G	XCS-42S3RG	XCS-045S3R6G				

XCS TWO POSITION SELECTOR SWITCH (MAINTAINED)						
CATALOG NUMBER			TWO POSITION DIAGRAM			
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		LEFT POSITION		RIGHT POSITION	
	DEAD - END	FEED -THRU	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0S2A1	XCS-1S2A1	XCS-4S2A1				
	XCS-2S2A1	XCS-5S2A1				
XCS-0S2A5	XCS-42S2A5	XCS-45S2A5				

XCS THREE POSITION SELECTOR SWITCH (MAINTAINED)						
CATALOG NUMBER			THREE POSITION DIAGRAM			
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)		LEFT POSITION		CENTER POSITION	
	DEAD - END	FEED -THRU	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0S3C4	XCS-1S3C4	XCS4S3C4				
	XCS-2S3C4	XCS-5S3C4				
XCS0S3C5	XCS-4S3C5	XCS4S3C5				

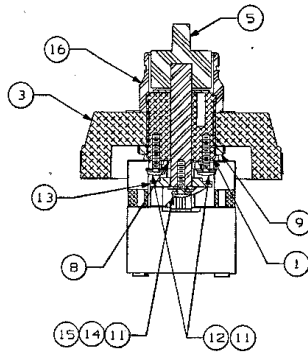
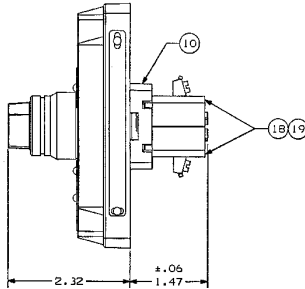
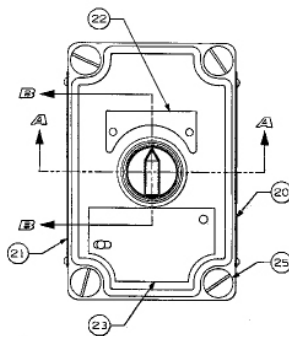
ITEM NO.	XCS-OK SERIES P/N	QTY.	DESCRIPTION
1	0857BAALB	1	G SERIES OPERATOR BODY
2	06011300B	1	1/8X5/8 SS SPRING PIN
3	17969ABAM	1	XCS-OK /OS COVER
4	17791AAAB	SEE BOM	2-POS. MAINTAINED PLATE
	17791BAAB		3-POS. MAINTAINED PLATE
5	09589ACHB	1	8564-KX KNOB-SHAFT ASSY
6	17786AAAB	1	SELECTOR SWITCH INDEX SPRING
7	0103249B	1	S-217-1 BALL CGE LEVER
8	068282	1	W-T 5100-31 RETAINING RING
9	LN2	1	3/4 STEEL LOCKNUT (UL)
10	0608130B	1	10385SPACER PLATE
11	16504AAAB	3	6-32X. 375 BHNP SCREW
12	0860750B	2	6 EXT - TH LOCKWASHER
13	0106775B	SEE BOM	2-POS. "A" CAM (8505)
	0106600B		3-POS. "B" CAM (11586)
	0106500B		3-POS. "C" CAM (11587)
	0106550B		3-POS. "D" CAM (11588)
	0106650B		3-POS. "E" CAM (11589)
	0106750B		3-POS. "G" CAM (11590)
14	08606508	1	6 PLTD SPLIT LOCKWASHER
15	0860751B	1	6 PLTD FLAT WASHER
16	0152195B	1	G SERIES CAP
17	14510WAHB	1	6-32X1/8 SS KNPT SET SCREW
18/19	0226100B	SEE BOM	CONTACT BLOCK, NORM. OPEN
	0226200B		CONTACT BLOCK, NORM. CLOSED
	0226300B		CONTACT BLOCK, N.O. EARLY MAKE
	0226075B		CONTACT BLOCK, N.C. LATE BREAK
20	0540051B	1	COMPONENT NAMEPLATE
21	14242AADB	1	COMPONENT NAMEPLATE
22	0547320B	SEE BOM	G SERIES NAMEPLATE
	0547330B		
23	12140AAFB	1	G SERIES NAMEPLATE
24	16489AAAB	8	#2X. 188 SL PAN HD SCREW
25	00891896	1	COVER SCREW SUBASSEMBLY



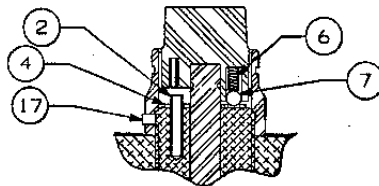
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SECTION A * A



SECTION B * B

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