

Replacement Parts

For low temperature or high temperature options, refer to example in LSA1A block.

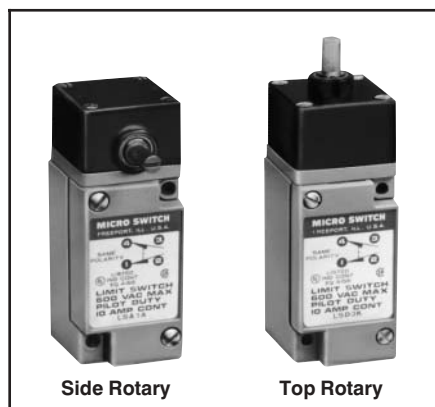
PLUG-IN TYPE	1	2	3	4	5
Catalog Listing* On Switch Nameplate	Complete Plug-in Unit Less Base Receptacle	Plug-in Base Receptacle Only	Operating Head Only†	Contact Block Only	Actuator Only
Std. LSA1A Low Temp. LSYAB1A High Temp. LSYAC1A	LSZ7A1A LSZ7YAB1A LSZ7YAC1A	LSZ4001 LSZ4001 LSZ4001	LSZ1A LSZ1AB LSZ1AC	LSZ3A LSZ3A LSZ3A	
LSA5A	LSZ7A5A	LSZ4001	LSZ1A	LSZ3A	
LSA8A	LSZ7A8A	LSZ4001	LSZ1A	LSZ3A	
LSA1J	LSZ7A1J	LSZ4001	LSZ1A	LSZ3J	
LSA2B	LSZ7A2B	LSZ4002	LSZ1A	LSZ3B	
LSA6B	LSZ7A6B	LSZ4006	LSZ1A	LSZ3B	
LSB1A	LSZ7B1A	LSZ4001	LSZ1B	LSZ3A	
LSB1J	LSZ7B1J	LSZ4001	LSZ1B	LSZ3J	
LSB5A	LSZ7B5A	LSZ4001	LSZ1B	LSZ3A	
LSB8A	LSZ7B8A	LSZ4001	LSZ1B	LSZ3A	
LSB2B	LSZ7B2B	LSZ4002	LSZ1B	LSZ3B	
LSB6B	LSZ7B6B	LSZ4006	LSZ1B	LSZ3B	
LSC1A	LSZ7C1A	LSZ4001	LSZ1C	LSZ3A	
LSC1J	LSZ7C3J	LSZ4001	LSZ1C	LSZ3J	
LSC5A	LSZ7C5A	LSZ4001	LSZ1C	LSZ3A	
LSC8A	LSZ7C8A	LSZ4001	LSZ1C	LSZ3A	
LSC2B	LSZ7C2B	LSZ4002	LSZ1C	LSZ3B	
LSC6B	LSZ7C6B	LSZ4006	LSZ1C	LSZ3B	
LSD1A	LSZ7D1A	LSZ4001	LSZ1D	LSZ3A	
LSD1J	LSZ7D1J	LSZ4001	LSZ1D	LSZ3J	
LSD2B	LSZ7D2B	LSZ4002	LSZ1D	LSZ3B	
LSD5A	LSZ7D5A	LSZ4001	LSZ1D	LSZ3A	
LSD8A	LSZ7D8A	LSZ4001	LSZ1D	LSZ3A	
LSD6B	LSZ7D6B	LSZ4006	LSZ1D	LSZ3B	
LSE1A	LSZ7E1A	LSZ4001	LSZ1E	LSZ3A	

*Only partial listings are shown and necessary to determine replacement parts catalog listing. The listings with -7A, -7M, -7N, -8A, -8B and -8C are complete catalog listings.

Note: Complete units consist of Columns 1 and 2.

†For low temperature replacement heads add B. Example LSZ1AB. For fluorocarbon seal replacement heads add C. Example LSZ1AC.

Rotary Actuated Switches



Order guides below and on page A35 provide specification and pricing information for side and top rotary switches.

Plug-in body style catalog listings consist of the complete plug-in base receptacle.

Lever arms are ordered separately. See pages A37-A39 for lever selection.

For rapid response – off the shelf service, all **bold face** listings are normally stocked items.

For low temperature, high temperature or preleading see page A42.

ASSEMBLED CONDITIONS

Catalog listings in order guide below are factory assembled with:

- Shaft of side rotary heads facing front of switch (label side).
- Head adjusted for both clockwise and counterclockwise operation.
- Light on indicator versions wired to N.O. circuit.

Refer to facing page to specify modifications to these assembled conditions.

PRELEADED OR CONNECTORIZED VERSIONS

Refer to page A42.

Limit/Enclosed

ORDER GUIDE (Momentary action. UL listed, CSA certified, CE approved. Levers not included. Order separately pages A37-A39.)

Circuitry	Electrical Rating	Body** Style	Catalog Listings					
			Standard	Low Differential	5° Pretravel	Low Torque	Low Differential Low Torque	Top Rotary High Overtravel
Silver contacts	A	Plug-in 1/2" Conduit	LSA1A	LSP1A	LSU1A	LSR1A	LSH1A	LSB1A
Gold cross point contacts	C	Plug-in 1/2" Conduit	LSA1J		LSU1J	—	—	LSB1J
Gold plated contacts	C		LSA1E	LSP1E	—	LSR1E	LSH1E	—
	A*	120 V Ind. lite Plug-In* 1/2" Conduit	LSA5A	LSP5A	LSU5A	LSR5A	LSH5A	LSB5A
		240 V Ind. lite Plug-In 1/2" Conduit	LSA8A	LSP8A	LSU8A	LSR8A	LSH8A	LSB8A
	A*	24 V LED lite 1.5mA max. Auto polarity Plug-in 1/2" Conduit	LSA9A	LSP9A	LSU9A	LSR9A	LSH9A	LSB9A
	A	Non plug-in 1/2" Conduit	LSA3K	LSP3K	LSU3K	LSR3K	LSH3K	LSB3K
	B	Plug-in 3/4" Conduit	LSA2B	LSP2B	LSU2B	LSR2B	LSH2B	LSB2B
	B	Plug-in 1/2" Conduit	LSA6B	LSP6B	LSU6B	LSR6B	LSH6B	LSB6B
	B	120 V Ind. lite Plug-in 3/4" Conduit	LSA2R	LSP2R	LSU2R	LSR2R	LSH2R	LSB2R
	B	Non plug-in 3/4" Conduit	LSA4L	LSP4L	LSU4L	LSR4L	LSH4L	LSB4L
	B	Non plug-in 1/2" Conduit	LSA7L	LSP7L	LSU7L	LSR7L	LSH7L	LSB7L
	D	Non plug-in 1/2" Conduit	LSA3N			LSR3N		LSB3N

*Use at voltage indicated for light. Wired to N.O. circuit. Upper temperature limit for lighted units is 200°F (93°C). **Plug-in listings include base receptacle.

OPERATING CHARACTERISTICS

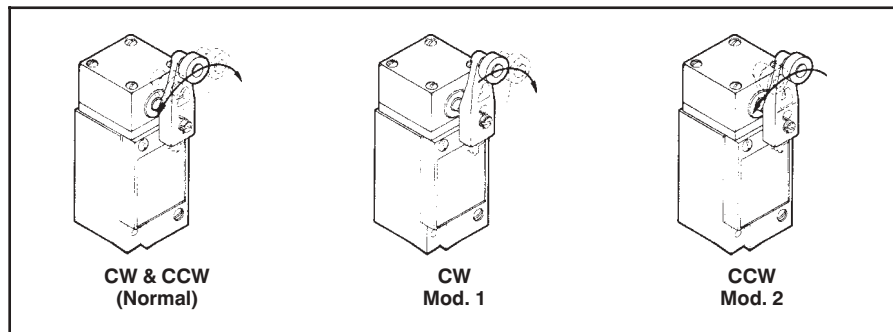
Pretravel (degrees max.)		15	9	5	15	9	25
Differential Travel (degrees max.)	SPDT	5	3	3	5	3	10
	DPDT	7	4	4	7	4	12
Overtravel (degrees min.)		60	66	70	60	66	110
Operating Torque (max.)	NM = Newton meters	0,45 Nm 4 in. lbs.	0,45 Nm 4 in. lbs.	0,45 Nm 4 in. lbs.	0,19 Nm 1.7 in. lbs.	0,19 Nm 1.7 in. lbs.	0,28 Nm 2.5 in. lbs.
Operating Temperature Range***		10°F to 250°F -12° to 121°C			30°F to 250°F -1° to 121°C		

*** Completely fluorocarbon-sealed switches are preferred for use in temperatures above 200°F (93°C). Refer to page A42.

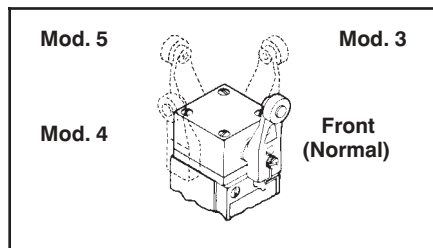
Rotary Actuated Switches

ACTUATION DIRECTION

(Drawings apply to listings on facing page only).



HEAD ORIENTATION



ASSEMBLY MODIFICATIONS

How to order

Momentary action rotary switches can be furnished in other than the normal assembled conditions described on the facing page. To specify modifications, add the number(s) shown below to the catalog listings. Prices are the same as their counterparts shown in the order guide.

Modification number suffixes are:

- 1 Clockwise operation only
- 2 Counterclockwise operation only
- 3 Shaft to right of switch front
- 4 Shaft to left of switch front
- 5 Shaft to back of switch
- 7 Indicator light wired to N.C. circuit

Examples:

Catalog Listing LSA1A23 is an LSA1A switch adjusted for counterclockwise operation only. The operating shaft is to the right side of the switch when viewing it from the front (label side). No lever.

Catalog Listing LSA8A7 is an LSA8A switch with the 240 volt indicator light wired to the N.C. circuit. No lever.

Switches with assembly modifications are not normally stocked and may extend delivery leadtimes.

LEVERS

Levers for rotary actuated switches are normally ordered as separate catalog listings. They also may be ordered by including a suffix to the switch catalog listing and adding the lever price. See pages A34-A39.

SWITCHES FOR SPECIAL APPLICATIONS

HDLS limit switches for special application needs are described on pages A42 and A43. They include: manifold mount, low temperature, complete fluorocarbon-sealed, gravity return, extra low torque and 20 Amp switches.

Adapter plates for interchanging HDLS with LS/200LS limit switches are described on page A49.

ELECTRICAL RATINGS

10 amps continuous carry (except for electrical rating "C"). Circuits on any one pole must be the same polarity.

AC Volts

Pilot duty: 600 VAC, 720VA

Electrical Rating	Circuitry	VAC	Amps at 0.35 Power Factor	
			Make	Break
A*	Single-Pole Double-Throw	120	60	6
		240	30	3
		480	15	1.5
		600	12	1.2
B	Double-Pole Double-Throw	120	30	3
		240	15	1.5
		480	7.5	0.75
		600	6	0.60
D	Single-Pole Single-Throw Normally Closed	120	60	6
		240	30	3
		480	15	1.5
		600	12	1.2
C**	Single-Pole Double-Throw	250 VAC or 60 VDC, .050 amp max.		

DC Volts

Pilot duty: 240 VDC, 30 watts

Electrical Rating	Circuitry	VDC	Make and Break Amps	
			Inductive	Resistive
A*	Single-Pole Double-Throw	120	0.25	0.8
		240	0.15	0.4
B	Double-Pole Double-Throw	120	0.25	0.8
		240	0.15	0.4
D	Single-Pole Single-Throw Normally Closed	30	4.3	4.3
		120	1.1	1.1
C**	Single-Pole Double-Throw	250 VAC or 60 VDC, .050 amp max.		

*For switches with indicator light, use only at voltage stated for indicator light.

**These switches have either gold plated or gold cross point contacts. Cross point contacts improve high reliability of contact make when particle contamination is a problem or low energy loads must be carried.