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Sensing and Control
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Sensing and Control

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11 West Spring Street

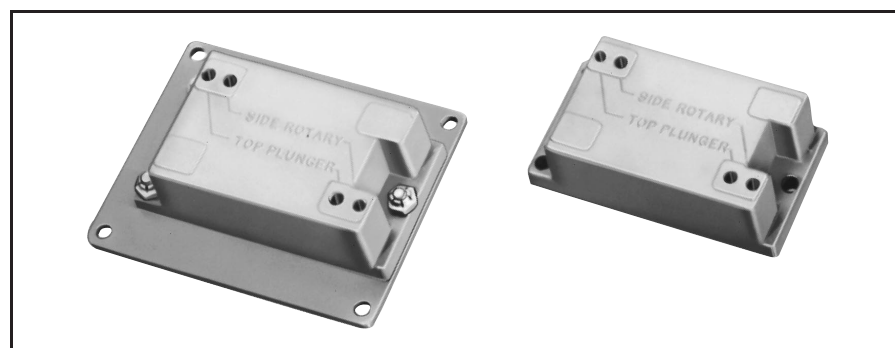
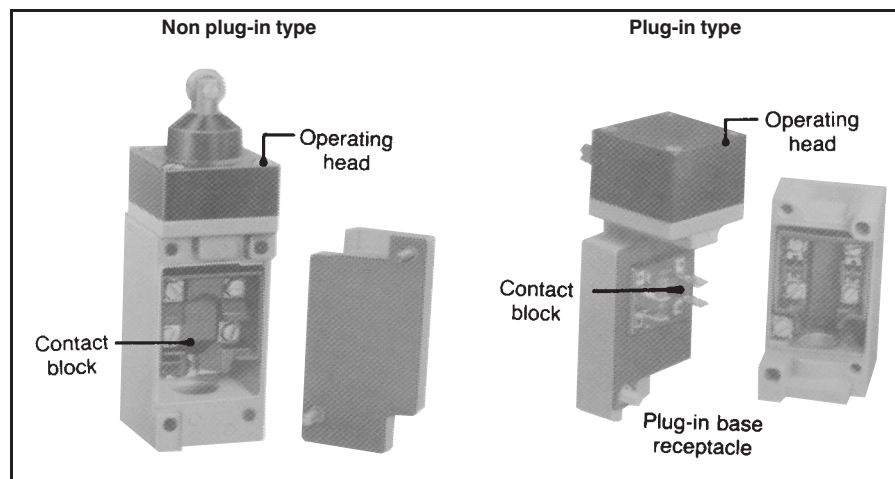
Freeport, IL 61032

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Limit and Enclosed Switches

Modification and Replacement Parts

HDLS Series



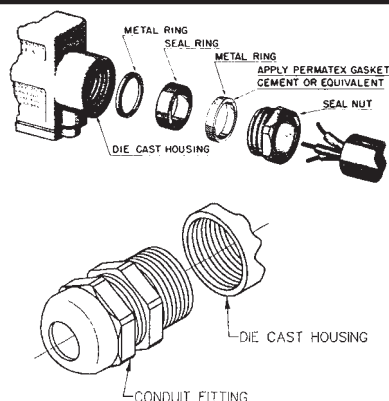
REPLACEMENT WOBBLE ACTUATORS

Catalog Listing				
				
Delrin Rod	Spring Wire	Cable	Cat Whisker	Coil Spring
LSZ4009	LSZ4010	LSZ4011	LSZ4012*	LSZ4014

*5½ inch long. For 7½" length, order LSZ4013.

MICRO SWITCH conduit sealing packets can be used with limit or enclosed switches. This includes the HDLS, Compact LS, ML, E6, V6, BAF1 or OP series switches.

The conduit sealing packets are not suitable for use with explosion-proof switches.



PLUG IN RECEPTACLES

Type	Catalog Listing
Single-Pole	LSZ4001
Double-Pole ¾ in. Conduit	LSZ4002
Double-Pole ½ in. Conduit	LSZ4006
Single-Pole Manifold Mount	LSZ4015
Double-Pole Manifold Mount	LSZ4016

ADAPTER PLATES

These adapter plates enable HDLS plug-in switches to retrofit 200LS series (single-pole) and 300LS series (double-pole) plug-in switches.

Type	Catalog Listing
Adapts 200LS series mounting to accept HDLS	LSZ4003
Adapts 300LS series mounting to accept HDLS	LSZ4004

INDICATOR LIGHTS/SEAL RING

Type	Catalog Listing
120V	LSZ4007
240V	LSZ4008

ADJUSTING TOOL KIT

This tool kit is used if readjustment of switches is necessary when heads and/or contact blocks are replaced.

Catalog Listing
LSZ4005

REPLACEMENT LEVERS

To order replacement levers, specify the same part number that is metal stamped on either the lever or lever hub.

For a complete list of HDLS replacement parts, refer to the charts on the following pages.

CONDUIT SEALING PACKETS

Catalog Listing Packet	Cable O.D. Inches
2PA6	.400" - .435"
2PA16	.435" - .470"
2PA1	.530" - .570"

LIQUID TIGHT CONDUIT FITTING

2PA17	.170" - .470" ½ NPT
2PA19	.450" - .709" ¾ NPT

Limit/Enclosed

Limit and Enclosed Switches

HDLS Series

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.

Replacement Parts

PLUG-IN TYPE (Continued)

5

Limit/Enclosed

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

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PLUG-IN TYPE (Continued)					
1		2		3	
4		5			
Catalog Listing* On Switch Nameplate	Complete Plug-in Unit Less Base Receptacle	Plug-in Base Receptacle Only	Operating Head and Actuator‡	Contact Block Only	Actuator Only
LSJ5A-7M	LSZ7J5A-7M	LSZ4001	LSZ1JGM	LSZ3A	LSZ4010
LSJ8A-7M	LSZ7J8A-7M	LSZ4001	LSZ1JGM	LSZ3A	LSZ4010
LSJ2B-7A	LSZ7J2B-7A	LSZ4002	LSZ1JGM	LSZ3B	LSZ4009
LSJ2B-7M	LSZ7J2B-7M	LSZ4002	LSZ1JGM	LSZ3B	LSZ4010
LSJ6B-7M	LSZ7J6B-7M	LSZ4006	LSZ1JGM	LSZ3B	LSZ4010
LSJ5A-7A	LSZ7J5A-7A	LSZ4001	LSZ1JGA	LSZ3A	LSZ4009
LSJ8A-7A	LSZ7J8A-7A	LSZ4001	LSZ1JGA	LSZ3A	LSZ4009
LSJ6B-7A	LSZ7J6B-7A	LSZ4006	LSZ1JGA	LSZ3B	LSZ4009
LSJ1A-7N	LSZJ1A-7N	LSZ4001	LSZ1JGN	LSZ3A	LSZ4011
LSJ1J-7N	LSZ7J1J-7N	LSZ4001	LSZ1JGN	LSZ3J	LSZ4011
LSJ5A-7N	LSZ7J5A-7N	LSZ4001	LSZ1JGN	LSZ3A	LSZ4011
LSJ8A-7N	LSZ7J8A-7N	LSZ4001	LSZ1JGN	LSZ3A	LSZ4011
LSJ2B-7N	LSZ7J2B-7N	LSZ4002	LSZ1JGN	LSZ3B	LSZ4011
LSJ6B-7N	LSZ7J6B-7N	LSZ4006	LSZ1JGN	LSZ3B	LSZ4011
LSK1A-8A	LSZ7K1A-8A	LSZ4001	LSZ1KHA	LSZ3A	LSZ4012
LSK1J-8A	LSZ7K1J-8A	LSZ4001	LSZ1KHA	LSZ3J	LSZ4012
LSK2B-8A	LSZ7K2B-8A	LSZ4002	LSZ1KHA	LSZ3B	LSZ4012
LSK5A-8A	LSZ7K5A-8A	LSZ4001	LSZ1KHA	LSZ3A	LSZ4012
LSK8A-8A	LSZ7K8A-8A	LSZ4001	LSZ1KHA	LSZ3A	LSZ4012
LSK6B-8A	LSZ7K6B-8A	LSZ4006	LSZ1KHA	LSZ3B	LSZ4012
LSK1A-8C	LSZ7K1A-8C	LSZ4001	LSZ1KHC	LSZ3A	LSZ4014
LSK1A-8B	LSZ7K1A-8B	LSZ4001	LSZ1KHB	LSZ3A	LSZ4013
LSK5A-8C	LSZ7K5A-8C	LSZ4001	LSZ1KHC	LSZ3A	LSZ4014
LSK8A-8C	LSZ7K8A-8C	LSZ4001	LSZ1KHC	LSZ3A	LSZ4014
LSK2B-8C	LSZ7K2B-8C	LSZ4002	LSZ1KHC	LSZ3B	LSZ4014
LSK6B-8C	LSZ7K6B-8C	LSZ4006	LSZ1KHC	LSZ3B	LSZ4014

*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 head and actuators add **B** between the fifth and sixth characters. Example: LSZ1KBHA. For fluorocarbon seals add **C**. Example LSZ1KCHA.

PLUG-IN TYPE (Continued)					
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
LSL2C	LSZ7L2C	LSZ4002	LSZ1L	LSZ3C	
LSL6C	LSZ7L6C	LSZ4006	LSZ1L	LSZ3C	
LSM2D	LSZ7M2D	LSZ4002	LSZ1M	LSZ3C	
LSM6D	LSZ7M6D	LSZ4006	LSZ1M	LSZ3C	
LSN1A	LSZ7N1A	LSZ4001	LSZ1N		
LSN2B	LSZ7N2B	LSZ4002	LSZ1N		
LSN5A	LSZ7N5A	LSZ4001	LSZ1N		
LSN8A	LSZ7N8A	LSZ4001	LSZ1N		
LSN6B	LSZ7N6B	LSZ4006	LSZ1N		
LSP1A	LSZ7P1A	LSZ4001	LSZ1P	LSZ3A	
LSP1J	LSZ7P1J	LSZ4001	LSZ1P	LSZ3J	
LSP2B	LSZ7P2B	LSZ4002	LSZ1P	LSZ3B	
LSP5A	LSZ7P5A	LSZ4001	LSZ1P	LSZ3A	
LSP8A	LSZ7P8A	LSZ4001	LSZ1P	LSZ3A	
LSP6B	LSZ7P6B	LSZ4006	LSZ1P	LSZ3B	
LSR1A	LSZ7R1A	LSZ4001	LSZ1R	LSZ3A	
LSR2B	LSZ7R2B	LSZ4002	LSZ1R	LSZ3B	
LSR6B	LSZ7R6B	LSZ4006	LSZ1R	LSZ3B	
LSR5A	LSZ7R5A	LSZ4001	LSZ1R	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.

Limit/Enclosed

PLUG-IN TYPE (Continued)					
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
LSR8A	LSZ7R8A	LSZ4001	LSZ1R	LSZ3A	
LSS1H	LSZ7S1H	LSZ4001	LSZ1S	LSZ3H	
LSU1A	LSZ7U1A	LSZ4001	LSZ1U	LSZ3A	
LST1H	LSZ7T1H	LSZ4001	LSZ1T	LSZ3H	
LSU5A	LSZ7U5A	LSZ4001	LSZ1U	LSZ3A	
LSV1A	LSZ7V1A	LSZ4001	LSZ1V	LSZ3A	
LSV1J	LSZ7V1J	LSZ4001	LSZ1V	LSZ3J	
LSV5A	LSZ7V5A	LSZ4001	LSZ1V	LSZ3A	
LSV8A	LSZ7V8A	LSZ4001	LSZ1V	LSZ3A	
LSV2B	LSZ7V2B	LSZ4002	LSZ1V	LSZ3B	
LSV6B	LSZ7V6B	LSZ4006	LSZ1V	LSZ3B	
LSW1A	LSZ7W1A	LSZ4001	LSZ1W	LSZ3A	
LSW1J	LSZ7W1J	LSZ4001	LSZ1W	LSZ3J	
LSW5A	LSZ7W5A	LSZ4001	LSZ1W	LSZ3A	
LSW8A	LSZ7W8A	LSZ4001	LSZ1W	LSZ3A	
LSW2B	LSZ7W2B	LSZ4002	LSZ1W	LSZ3B	
LSW6B	LSZ7W6B	LSZ4006	LSZ1W	LSZ3B	

NON PLUG-IN TYPE (These parts will not form a complete switch)

Catalog Listing* On Switch Nameplate	Operating Head Only†	Contact Block Only	Actuator Only
LSA3K	LSZ1A	LSZ3K	
LSA4L	LSZ1A	LSZ3L	
LSA7L	LSZ1A	LSZ3L	
LSB3K	LSZ1B	LSZ3K	
LSB4L	LSZ1B	LSZ3L	
LSB7L	LSZ1B	LSZ3L	
LSC3K	LSZ1C	LSZ3K	
LSC4L	LSZ1C	LSZ3L	

Catalog Listing* On Switch Nameplate	Operating Head and Actuator‡	Contact Block Only	Actuator Only
LSJ7L-7A	LSZ1JGA	LSZ3L	LSZ4009
LSJ7L-7M	LSZ1JGM	LSZ3L	LSZ4010
LSJ4L-7N	LSZ1JGN	LSZ3L	LSZ4011
LSJ7L-7N	LSZ1JGN	LSZ3L	LSZ4011
LSK3K-8A	LSZ1KHA	LSZ3K	LSZ4012
LSK4L-8A	LSZ1KHA	LSZ3L	LSZ4012
LSK7L-8A	LSZ1KHA	LSZ3L	LSZ4012
LSK3K-8C	LSZ1KHC	LSZ3K	LSZ4014

*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 head and actuators add **B** between the fifth and sixth characters. Example LSZ1KBHA. For fluorocarbon seals add **C**. Example LSZ1KCHA.

NON PLUG-IN TYPE

Catalog Listing* On Switch Nameplate	Operating Head Only†	Contact Block Only	Actuator Only
LSC7L	LSZ1C	LSZ3L	
LSD3K	LSZ1D	LSZ3K	
LSD4L	LSZ1D	LSZ3L	
LSD7L	LSZ1D	LSZ3L	
LSE3K	LSZ1E	LSZ3K	
LSE4L	LSZ1E	LSZ3L	
LSE7L	LSZ1E	LSZ3L	
LSF3K	LSZ1F	LSZ3K	
LSF4L	LSZ1F	LSZ3L	
LSF7L	LSZ1F	LSZ3L	
LSG3K	LSZ1G		
LSG4L	LSZ1G		
LSG7L	LSZ1G		
LSH3K	LSZ1H	LSZ3K	
LSH4L	LSZ1H	LSZ3L	
LSH7L	LSZ1H	LSZ3L	

Catalog Listing* On Switch Nameplate	Operating Head and Actuator‡	Contact Block Only	Actuator Only
LSJ3K-7A	LSZ1JGA	LSZ3K	LSZ4009
LSJ3K-7M	LSZ1JGM	LSZ3K	LSZ4010
LSJ3K-7N	LSZ1JGN	LSZ3K	LSZ4011
LSJ4L-7A	LSZ1JGA	LSZ3L	LSZ4009
LSJ4L-7M	LSZ1JGM	LSZ3L	LSZ4010
LSK4L-8C	LSZ1KHC	LSZ3L	LSZ4014
LSK7L-8C	LSZ1KHC	LSZ3L	LSZ4014

‡ For low temperature replacement head and actuators add **B** between the fifth and sixth characters. Example: LSZ1KBHA. For fluorocarbon seals add **C**. Example LSZ1KCHA.

Catalog Listing* On Switch Nameplate	Operating Head Only†	Contact Block Only	Actuator Only
LSL4M	LSZ1L	LSZ3M	
LSL7M	LSZ1L	LSZ3M	
LSM4N	LSZ1M	LSZ3M	
LSM7N	LSZ1M	LSZ3M	
LSN3K	LSZ1N		
LSN4L	LSZ1N		
LSN7L	LSZ1N		
LSP3K	LSZ1P	LSZ3K	
LSP4L	LSZ1P	LSZ3L	
LSP7L	LSZ1P	LSZ3L	
LSR3K	LSZ1R	LSZ3K	
LSR4L	LSZ1R	LSZ3L	
LSR7L	LSZ1R	LSZ3L	
LSV3K	LSZ1V	LSZ3K	
LSV4L	LSZ1V	LSZ3L	
LSV7L	LSZ1V	LSZ3L	
LSW3K	LSZ1W	LSZ3K	
LSW4L	LSZ1W	LSZ3L	
LSW7L	LSZ1W	LSZ3L	

REPLACEMENT PARTS FOR STAINLESS STEEL HDLS

Listing	Operating Head	Contact Block
LS2A3N	LS2Z1A	N/A
LS2A4K	LS2Z1A	LSZ3K
LS2A4L	LS2Z1A	LSZ3L
LS2D4K	LS2Z1D	LSZ3K
LS2D4L	LS2Z1D	LSZ3L
LS2E4K	LS2Z1E	LSZ3K
LS2E4L	LS2Z1E	LSZ3L
LS2F4K	LS2Z1F	LSZ3K
LS2F4L	LS2Z1F	LSZ3L
LS2H3K	LS2Z1H	LSZ3K
LS2H4K	LS2Z1H	LSZ3K
LS2H4L	LS2Z1H	LSZ3L
LS2M4N	LS2Z1M	LSZ3M
LS2N3K	LS2Z1N	LSZ3K

* 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.

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

Limit/Enclosed

Mouser Electronics

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[LSZ7P2B](#) [LSZ7J2B-7A](#) [LSZ1WC](#) [LS2Z1N](#) [LSZ1KCHC](#) [LSZ7C6B](#) [LSZ1PC](#) [LSZ1CC](#) [LSZ1RB](#) [LSZ1DB](#)
[LSZ1JCGM](#) [LSZ1P](#) [LSZ7P5A](#) [LSZ1KBHA](#) [LSZ7N2B](#) [LSZ7A5A](#)