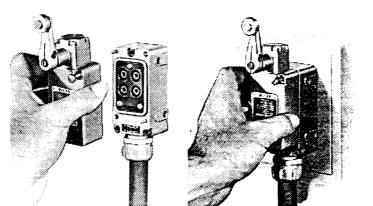
HONEYWELL

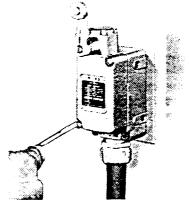
INSTALLATION INSTRUCTIONS FOR "LS" LIMIT SWITCHES

PK 81028

"Plug-in 200LS" Type

Plug switch into an 18PA1 terminal block, tighten two screws and mounting is complete. Installation of 18PA1 terminal block (purchased separately) is covered in instructions which are packed with the block.



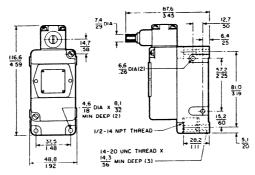


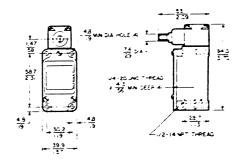
Compact "LS" Type

Two simple methods of mounting: (a) use four #10 screws from the front, or (b) use four ½-20 UNC screws from the back. Make sure conduit connection is sealed. Locate switch so condensate or oil won't drain into switch through conduit.

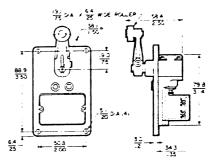
For "7LS" cavity mount type use four # 10 screws to fasten the switch plate to the surface. A rubber gasket seals the plate to the mounting surface.

Use copper, 60/75 degree C wire only. Terminal screw torque-20 inch pounds max.





COMPACT LS WITHOUT ACTUATOR



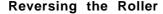
ROLLER LEVER CAVITY MOUNT

ADJUSTING INSTRUCTIONS

Actuator Head

To give flexibility in application, the actuator head may be positioned in any of four directions.

(See NOTICE in "Direction of Actuation".)

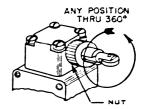


The roller arm may be reversed to face the roller inside or outside of the arm.

Positioning Lever

The lever assembly is adjustable to any position through 360° by loosening the socket head screws. A 5/32 inch hexagon key wrench is required (available in "Handy Adjusting Tool Set" 15PA53).



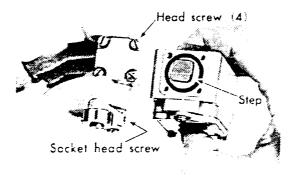


Direction of Actuation

Operation in clockwise, counterclockwise or both directions of the lever arm is possible. As factory assembled, the switch is actuated in both directions. To convert the switch to one direction actuation, remove the actuator head and rotate the step plunger 90° clockwise or counterclockwise. When the switch is adjusted for actuation in one direction only the arm may be moved to the full overtravel position in the opposite direction without damaging the mechanism.

NOTICE

If the actuator head is removed and replaced, readjustment for operating characteristics may be necessary. See Adjusting Operating Characteristics.

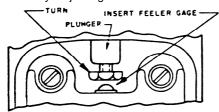


Adjusting Operating Point

Rotary Actuator Types (1LS and 201LS)

Top In-Line Actuator Types 2LS, 5LS, 202LS, 205LS

When replacement of the contact block is necessary or if the actuator head is removed and replaced, readjustment may be required to duplicate the operating point as originally provided in the factory assembled switch. This adjustment is made after the contact block has been secured to the housing and with the external lever arm or in-line plunger in the free position. Using a 3/16-inch wrench, turn the adjusting screw two turns clockwise (two wrenches are needed for top in-line plunger switches). Insert a .045 to .049 inch feeler gauge between adjusting screw and internal switch plunger. Turn adjusting screw counter-clockwise until contact block operates. See "Handy Adjusting Tool Set" 15PA53.



Adjusting Flexible Type Actuator "LS" Switches (8LS and 208LS)

Use two 3/16-inch open end wrenches to hold plunger and turn adjusting screw two turns clockwise. Insert a .025 to .030 inch feeler gage between adjusting screw and button on contact block. Turn adjusting screw counterclockwise until contact block operates.

Adjusting Side Actuated "LS" Switches (3LS, 4LS, 203LS, and 204LS)

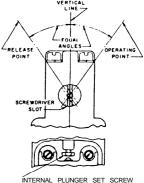
Hold the actuating plunger in fully depressed position and with a 3/16-inch wrench, turn the adjusting screw counterclockwise until the switch "clicks". Then continue to turn the screw another 3/4 turn to provide the necessary overtravel.

CAUTION: Be certain not to turn the adjusting screw more than ¾ turn beyond the operating point. It could exceed the overtravel of the basic switch and cause permanent damage to the contact block.

Adjusting Yoke Type Actuated "LS" Switches (6LS and 206LS)

Remove the switch cover plate (or entire switch in the 206LS1 "Plug-in" design) to expose the internal actuating plunger and the contact block. Using the screwdriver slot on the end of the shaft as a guide, adjust internal plunger set screw so that the basic switch operates and releases at approximately equal angles past the vertical line on the screwdriver slot. Adjust in both the counterclockwise and the clockwise directions.

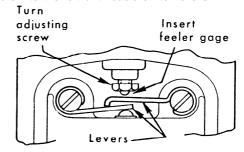
Be certain not to turn the adjusting screw too far out, so that it would exceed the overtravel of the contact block and cause permanent damage to the contact block.



Short Pretravel Switches

Adjusting instructions and figure below apply to the short pretravel switches 1LS19, 1LS27, 1LS47, 1LS56, 1LS58, and 1LS59.

Using a 3/16-inch wrench, turn adjusting screw two turns to the right. Insert .008-inch feeler gage between adjusting screw and top lever. Turn adjusting screw to the left until basic switch clicks.



Contact Block Replacement

Remove cover plate (or entire switch assembly of "Plug-in" design) and remove the plastic contact block. Turn internal plunger adjusting screw two full turns to the right. Mount new block.

The Handy Adjusting Tool Set for all adjustments on type "LS" switches contains (2) 3/16-inch openend wrenches, (1) 5/32-inch hexagon key wrench, Order Packet Number 15PA53.

Packet A -

Complete head and lever assembly includes: Lever arm, actuator housing, return spring, actuator plunger sleeve, shaft and seal-ring and housing retaining screws.

Packet B -

Lever arm assembly (includes set screw).

Packet C -

Contact Block Replacement (includes housing cover, housing seal cover, cover mounting screws, and contact block mounting screws.)

Packet D -

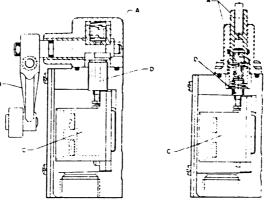
Plunger Assembly Replacement (includes adjusting screw and seal ring).

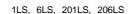
- *Packets do not include lever arm "B"
- * *Refer to page 4 for choice of actuator packet numbers that fit switch
- * * *Packet A does not include Plunger Assembly, which must be ordered separately as indicated in Packet D Column.
- † This actuator is **NOT** interchangeable with same actuator design without boot seal

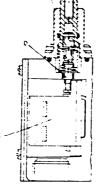
Note 1:

For switches with code number 6732 and higher, use 8PA50. For switches with code number 6731 and lower use 8PA11.

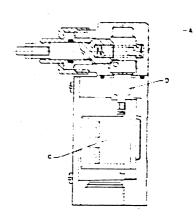
(Code number appears on nameplate to the left of the catalog listing.)







2LS, 5LS, 202LS, 205LS

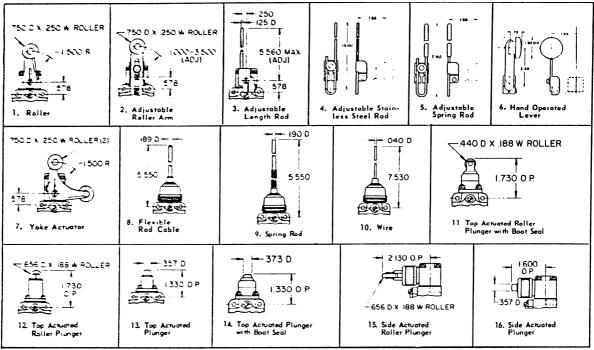


3LS, 4LS, 203LS, 204LS

LISTING			PACKET A		PACKET C	PACKET D
11.51 Std. pretravel 20" SPA16 1,2,3,4,5,6 2MN	SWITCH	FFATURE	Head***	PACKET B** Lever Assembly	Contact	
1.5.1 Std. porestand 20" SPA15 1 2.0.41 SPA15 1.5.2 3.4.5.6 2.0.41 SPA15 1.5.3 4.5.45 2.0.41 SPA15 1.5.3 4.5.45 2.0.41 SPA15 1.5.3 4.5.45 2.0.41 SPA15 1.5.3 4.5.45 2.0.41 SPA15 1.5.5 4.5.45 2.0.41 SPA15 1.5.5 4.5.45 2.0.41 SPA15 1.5.5 4.5.45 2.0.41 SPA15 1.5.5 4.5.45 2.0.	LISTING		Assembly		БІОСК	Assembly
11.52	11 91		0045	T .	03.43.14	000444
11.53				1 2 3 4 5 6		
11.56	I I	·				-
11.53	I I	· ·		1		
11.510 S in. aluminum rod-adjustable SPA15 1		•	9 P A 1 6 *	1,2,3,4,5,6	2 M N 8	Note 1
11.519 Slut, pretravel 5' Sind, pretravel 5' Sind, pretravel 4' in-in-bis force Sind, pretravel 1' in-bis force Sind, pretravel 1' in-bis force Sind, pretravel 1' in-in-bis force Sind, pretravel 1' in-bis force Sind, pretravel 1' in-	I I	·	9PA40		2MN1	8PA11
11.523	1LS19	· · · · · · · · · · · · · · · · · · ·	9PA15	1	2MN8	Note 1
11.534	1LS23	Low force 20° pretravel	9PA68*	1,3,4	2MN1	8PA11
11.556	1LS27	5 pretravel 41/2 inlbs force	9PA16*	1,2,3,4,5,6	2MN8	
1.536	1LS47	5 in. aluminum rod adjustable 5° pretravel	9PA40	3	2MN8	Note 1
11.558	1LS53	Light force	9PA48	3	2MN8	Note 1
1.859	1LS56	Low force 5° pretravel				
1.5128	1LS58	Adjustable reversible lever 5° pretravel		_		
11.5243	1LS59	Adjustable reversible lever 18 oz. force		_		
11.S501 Lighted Indicator in nameplate - 120 VAC 9PA15 1 2MN1 8PA 2LS1 Top actuated plunger 9PA32 N/A 2MN1 8PA 4LS1 Side actuated plunger 9PA45 N/A 2MN11 8PA4 4LS1 Side actuated plunger 9PA45 N/A 2MN11 8PA4 SILS1 Side actuated plunger 9PA45 N/A 2MN11 8PA4 SILS1 Top actuated roller plunger, rotated 90° Boot Seal 9PA79† N/A 2MN1 8PA5 SILS7 Top actuated roller plunger, rotated 90° Boot Seal 9PA79† N/A 2MN1 8PA5 SILS7 Top actuated roller plunger, rotated 90° Boot Seal 9PA79† N/A 2MN1 8PA SILS1 S						
Lighted Indicator in nameplate - 120 VAC	1LS243	Hi temp. +250° F				8 P A 5 0
2LS1	1LS501	Lighted Indicator in nameplate - 120 VAC	9PA15	1	2MN1	8PA11
Side actualed plunger Side actualed Side Side actualed Side actualed Side Side actualed Side Side actualed Side Side actualed Side actual	2LS1		9PA32	N/A	2MN1	8PA58
Si.S1	3LS1	Side actuated plunger	9PA45	N/A	2MN11	8PA43
5LS1	4LS1	· -	9PA44	N/A	2MN11	8PA43
Sing Top actuated roller plunger, with boot seal 9 PA79† N/A 2 MN1 8 PA	5LS1		9PA33	N/A	2MN1	8PA58
Section Sect	5LS7	Top actuated roller plunger, rotated 90° Boot Seal	9PA79†	N/A	2 M N 1	8PA57
6LS1 Maintained contact - supplied with lever 6PASO 9PA47" 7 (6PA80) 2MN1 8PA6LS2 Maintained contact - see Packet B for lever 9PA47" 7 (6PA102) 2MN1 8PA7LS1 7LS1 Flush panel mount 9PA45 1 2MN1 8PA1SLS1 Cable type actuator 9PA58 N/A 2MN1 N/A N/A	5LS8		9PA79†	N/A	2 M N 1	8PA57
Section Sect	6LS1					8 P A 5 9
Flush panel mount	6LS2	Maintained contact - see Packet B for lever	9PA47*	7	2MN1	8PA59
SLS1 Cable type actuator SLS2 Coil spring with rod SLS3 Coil spring with rod SLS125 Music wire actuator SPA 4 9 N / A 2 M N 1	6LS3	Rollers on same side of yoke arm		7 (6PA102)		8PA59
Sales System Sale	7LS1	Flush panel mount		1		8PA11
SLS125 Music wire actuator 9PA54 N/A 2MN11 N/A 2MN12 N/A 2MN13 N/A		Cable type actuator				
SLS152 Coil spring actuator SPA42 SPA45 N/A 2MN1 N/A 2MN5 SPA45 SLS152 SLS152 Coil spring actuator SPA45 SLS152 SLS15				, , , ,	2	N/A N/A
11LS1 Four-circuit double-break (solder terminals) 9PA15 1 8AS42 8PA1						,
PLUG-IN TYPE (Use with terminal block 18PA1) 201LS1 20° pretravel 20°, nylon roller, clockwise operator 9PA16° 1 (6PA71) 2MN6-A 8PA11 201LS2 20° pretravel 4½ inlbs. 9PA16° 2 2MN6 8PA11 201LS3 Reversible adjustable lever 9PA16° 2 2MN6 8PA11 201LS6 Light force 18 oz. 9PA50 1 2MN6 8PA11 201LS9 5° pretravel 3lbs. force 9PA16° 2 2MN6 8PA11 201LS9 5° pretravel 3lbs. force 9PA16° 1 (2,3,4,5,6 2MN13 8PA11 201LS9 5° pretravel 3lbs. force 9PA16° 1 (2,3,4,5,6 2MN13 Note 201LS10 5° pretravel 3lbs. force 9PA16° 1 (2,3,4,5,6 2MN13 Note 201LS10 5° pretravel 9PA16° 1 (2,3,4,5,6 2MN13 Note 201LS10 5° pretravel 9PA15 1 (2MN6 8PA11 201LS23 Low force 20° pretravel 9PA15 1 (2MN13 8PA1 201LS23 Low force 20° pretravel 9PA40 3 (2MN13 8PA1 201LS56 Low force 5° pretravel 9PA40 3 (2MN13 Note 1 201LS56 Low force 5° pretravel 9PA74° 1,3,4 (2MN13 Note 1 201LS50 Light indicator in name plate - 120 VAC 9PA15 1 (6PA121) 2MN6 8PA50 201LS501 Light indicator in name plate - 120 VAC 9PA15 1 (2MN14 8PA1 201LS501 Light indicator in name plate - 120 VAC 9PA15 1 (2MN14 8PA1 201LS51 Top actuated plunger with Boot Seal 9PA761 N/A 2MN6 8PA50 203LS1 Side actuated plunger 9PA32 N/A 2MN6 8PA50 203LS1 Side actuated plunger with Boot Seal 9PA761 N/A 2MN6 8PA50 205LS7 Top actuated roller plunger with Boot Seal 9PA791 N/A 2MN6 8PA50 205LS3 Top actuated roller plunger with Boot Seal 9PA791 N/A 2MN6 8PA50 205LS3 Top actuated roller plunger with Boot Seal 9PA791 N/A 2MN6 8PA50 205LS3 Top actuated roller plunger with Boot Seal 9PA791 N/A 2MN6 8PA50 205LS3 Top actuated roller plunger with Boot Seal 9PA791 N/A 2MN6 8PA50 205LS3 Top actuated roller plunger with Boot Seal 9PA791 N/A 2MN6 8PA50 205LS3 Top actuated roller plunger with Boot Seal 9PA791 N/A 2MN6 8PA50 205LS3 Top actuated roller plunger with Boot Seal 9PA791 N/A 2MN6 8PA50 205LS3 Top actuated roller p	I I	, ,	******			
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201LS1-NA Pretravel 20°, nylon roller, clockwise operator 9PA16* 1 (6PA71) 2MN6-A 8PA11 201LS2 20° pretravel 4½ inlbs. 9 PA16* 1 (2,3,4,5,6 2 MN6 8 PA 201LS3 Reversible adjustable lever 9PA50 1 2MN6 8PA11 201LS6 Light force 18 oz. 9PA50 1 2MN6 8PA11 201LS9 5° pretravel 3lbs. force 9PA40 3 2MN6 8PA11 201LS10 5 in. aluminum rod - adjustable 9PA40 3 2MN6 8PA11 201LS19 5° pretravel 9PA68* 1,3,4 2MN13 8PA1 201LS21 Low force 20° pretravel 9PA68* 1,3,4 2MN6 Note 201LS24 Light indicator in ord adjustable 5° pretravel 9PA68* 1,3,4 2MN13 Note 1 201LS24 Hi temp. +250° F 9PA55 1 (6PA121) 2MN6 8PA52 201LS24 Hi temp. +250° F 9PA55 1 (6PA121) 2MN6 8PA52 201LS501 Light indicator i	2041.04	· ·		1	2MN6	9DA11
201LS2 20° pretravel 4½ inlbs. 9 P A 1 6 ° 20 PA16° 2 1, 2, 3, 4, 5, 6 2 M N 6 8 P A 2MN6 8PA11 201LS3 Reversible adjustable lever 9PA16° 2 2 MN6 8PA11 201LS9 Light force 18 oz. 9PA50 1 2MN6 8PA11 201LS9 5° pretravel 3lbs. force 9PA16° 1,2,3,4,5,6 2 MN13 8PA11 Note 201LS10 5 in. aluminum rod - adjustable 9PA40 3 2MN6 8PA11 Note 201LS23 Low force 20° pretravel 9PA68° 1,3,4 2MN13 8PA1 201LS47 5 in. aluminum rod adjustable 5° pretravel 9PA40 3 2MN13 8PA1 2MN13 8PA1 201LS47 5 in. aluminum rod adjustable 5° pretravel 9PA40 3 2MN13 8PA1 2MN13 8PA1 201LS56 Low force 5° pretravel 9PA45 1,3,4 2MN13 Note 1 201LS561 Light indicator in name plate - 120 VAC 9PA55 1 (6PA121) 2MN6 8PA55 201LS501 Light indicator in name plate - 120 VAC 9PA32 N/A 2MN6 8PA54 202LS7 Top actuated plunger with Boot Seal 9PA32 N/A 2MN6 8PA54 202LS7 Top actuated plunger with Boot Seal 9PA45 N/A 2MN6 8PA54		P			-	-
201LS3				, ,		
201LS6						-
201LS9	20.200		-	1		
201LS19		•	9PA16*	1,2,3,4,5,6	2MN13	Note 1
201LS19						
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201LS47 5 in. aluminum rod adjustable 5° pretravel 9PA40 3 2MN13 8PA1 201LS56 Low force 5° pretravel 9PA74* 1,3,4 2MN13 Note 1 201LS242 Hi temp. +250° F 9PA55 1 (6PA121) 2MN6 8PA50 201LS501 Light indicator in name plate - 120 VAC 9PA15 1 2MN14 8PA1 202LS1 Top actuated plunger 9PA32 N/A 2MN6 8PA50 202LS7 Top actuated plunger with Boot Seal 9PA78† N/A 2MN6 8PA57 203LS1 Side actuated roller plunger 9PA34 N/A 2MN8 9PA43 205LS1 Top actuated roller plunger 9PA33 N/A 2MN6 8PA58 205LS7 Top actuated roller plunger Rotated 90° Boot Seal 9PA79† N/A 2MN6 8PA58 205LS8 Top actuated roller plunger with Boot Seal 9PA79† N/A 2MN6 8PA59 206LS1 Maintained contact - supplied with lever 6PAS0 9PA46 7(6PA80) 2MN6 8PA59 <t< td=""><td>201LS19</td><td>5° pretravel</td><td>9PA15</td><td>1</td><td>2MN13</td><td>8PA11</td></t<>	201LS19	5° pretravel	9PA15	1	2MN13	8PA11
201LS56	201LS23	·				Note 1
201LS242 Hi temp. +250° F 9PA55 1 (6PA121) 2MN6 8PA50 201LS501 Light indicator in name plate - 120 VAC 9PA15 1 2MN14 8PA1 202LS1 Top actuated plunger 9PA32 N/A 2MN6 8PA51 202LS7 Top actuated plunger with Boot Seal 9PA378† N/A 2MN6 8PA52 203LS1 Side actuated roller plunger 9PA45 N/A 2MN8 9PA43 204LS1 Side actuated plunger 9PA44 N/A 2MN9 8PA43 205LS1 Top actuated roller plunger 9PA33 N/A 2MN6 8PA58 205LS7 Top actuated roller plunger Rotated 90° Boot Seal 9PA79† N/A 2MN6 8PA59 205LS8 Top actuated roller plunger with Boot Seal 9PA79† N/A 2MN6 8PA59 206LS1 Maintained contact - supplied with lever 6PAS0 9PA46 7(6PA80) 2MN6 8PA59 206LS2 Maintained contact - see Packet B for Lever 9PA47 7 2MN6 8PA59		· · · · · · · · · · · · · · · · · · ·				8PA11
201LS501 Light indicator in name plate - 120 VAC 9PA15 1 2MN14 8PA1 202LS1 Top actuated plunger 9PA32 N/A 2MN6 8PA51 202LS7 Top actuated plunger with Boot Seal 9PA32 N/A 2MN6 8PA57 203LS1 Side actuated plunger 9PA45 N/A 2MN8 9PA43 204LS1 Side actuated plunger 9PA44 N/A 2MN9 8PA43 205LS1 Top actuated roller plunger 9PA33 N/A 2MN6 8PA58 205LS7 Top actuated roller plunger Rotated 90° Boot Seal 9PA79† N/A 2MN6 8PA58 205LS8 Top actuated roller plunger with Boot Seal 9PA79† N/A 2MN6 8PA58 206LS1 Maintained contact - supplied with lever 6PAS0 9PA46 7(6PA80) 2MN6 8PA59 206LS2 Maintained contact - see Packet B for Lever 9PA47 7 2MN6 8PA59 208LS1 Cable type actuator 9PA49 N/A 2MN9 N/A 208LS3 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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202LS7 Top actuated plunger with Boot Seal 9PA78† N/A 2MN6 8PA57 203LS1 Side actuated roller plunger 9PA45 N/A 2MN8 9PA43 204LS1 Side actuated plunger 9PA44 N/A 2MN9 8PA43 205LS1 Top actuated roller plunger 9PA33 N/A 2MN6 8PA58 205LS7 Top actuated roller plunger Rotated 90° Boot Seal 9PA79† N/A 2MN6 8PA57 205LS8 Top actuated roller plunger with Boot Seal 9PA79† N/A 2MN6 8PA58 206LS1 Maintained contact - supplied with lever 6PAS0 9PA46 7(6PA80) 2MN6 8PA59 206LS2 Maintained contact - see Packet B for Lever 9PA47 7 2MN6 8PA59 208LS1 Cable type actuator 9PA49 N/A 2MN9 N/A 208LS1 Coil spring with rod 9PA49 N/A 2MN6 N/A 208LS1 Music wire actuator 9PA54 N/A 2MN9 N/A						
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204LS1 Side actuated plunger 9PA44 N/A 2MN9 8PA43 205LS1 Top actuated roller plunger 9PA33 N/A 2MN6 8PA58 205LS7 Top actuated roller plunger Rotated 90° Boot Seal 9PA79† N/A 2MN6 8PA57 205LS8 Top actuated roller plunger with Boot Seal 9PA79† N/A 2MN6 8PA57 206LS1 Maintained contact - supplied with lever 6PAS0 9PA46 7(6PA80) 2MN6 8PA59 206LS2 Maintained contact - see Packet B for Lever 9PA47 7 2MN6 8PA59 208LS1 Cable type actuator 9PA58 N/A 2MN9 N/A 208LS1 Coil spring with rod 9PA49 N/A 2MN6 N/A 208LS1 Music wire actuator 9PA54 N/A 2MN6 N/A						
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205LS7 Top actuated roller plunger Rotated 90° Boot Seal 9PA79† N/A 2MN6 8PA57 205LS8 Top actuated roller plunger with Boot Seal 9PA79† N/A 2MN6 8PA5 206LS1 Maintained contact - supplied with lever 6PAS0 9PA46 7(6PA80) 2MN6 8PA59 206LS2 Maintained contact - see Packet B for Lever 9PA47 7 2MN6 8PA59 208LS1 Cable type actuator 9PA58 N/A 2MN9 N/A 208LS1 Coil spring with rod 9PA49 N/A 2MN6 N/A 208LS1 Music wire actuator 9PA54 N/A 2MN9 N/A					-	
205LS8 Top actuated roller plunger with Boot Seal 9PA79† N/A 2MN6 8PA5 206LS1 Maintained contact - supplied with lever 6PAS0 9PA46 7(6PA80) 2MN6 8PA59 206LS2 Maintained contact - see Packet B for Lever 9PA47 7 2MN6 8PA59 208LS1 Cable type actuator 9PA58 N/A 2MN9 N/A 208LS1 Coil spring with rod 9PA49 N/A 2MN6 N/A 208LS125 Music wire actuator 9PA54 N/A 2MN9 N/A					_	8PA57
206LS1 Maintained contact - supplied with lever 6PAS0 9PA46 7(6PA80) 2MN6 8PA56 206LS2 Maintained contact - see Packet B for Lever 9PA47 7 2MN6 8PA59 206LS1 Cable type actuator 9PA48 N/A 2MN9 N/A 208LS3 Coil spring with rod 9PA49 N/A 2MN6 N/A 208LS125 Music wire actuator 9PA54 N/A 2MN9 N/A				*	_	
206LS2 Maintained contact - see Packet B for Lever 9PA47 7 2MN6 8PA59 208LS1 Cable type actuator 9PA58 N/A 2MN9 N/A 208LS3 Coil spring with rod 9PA49 N/A 2MN6 N/A 208LS125 Music wire actuator 9PA54 N/A 2MN9 N/A						8PA57
208LS1 Cable type actuator 9PA58 N/A 2MN9 N/A 208LS3 Coil spring with rod 9PA49 N/A 2MN6 N/A 208LS125 Music wire actuator 9PA54 N/A 2MN9 N/A						
208LS3 Coil spring with rod 9PA49 N/A 2MN6 N/A 208LS125 Music wire actuator 9PA54 N/A 2MN9 N/A						
208LS125 Music wire actuator 9PA54 N/A 2MN9 N/A			9PA49	N/A		N/A
			9PA54	N/A	2MN9	N/A
208LS152 Coil spring actuator 9PA42 N/A 2MN6 N/A			9PA42	N/A	2MN6	N/A

TYPES OF ACTUATORS

PK 81028



See Table below for variations and ordering numbers.

Actuator Type No.		Roller Thickness	Roller Material	Lever or Rod Length	Rod Diameter	Adjustable Lever or Rod	Rod Material	Rollers Same Side	Rollers on Ea. Side	Order Actuator Packet No
1	0.750 0.750 0.750	0.250 0.250 0.280	MDN [†] Steel Steel ^{††}							6PA71 6PA121 6PA144
2	0.750 0.750 1.000 1.500 2.000	0.250 0.250 0.500 0.250 0.250	MDN Steel MDN MDN MDN	3.5 3.5 3.5 3.5 3.5		x x x x				6PA44 6PA56 6PA68 6PA67 6PA64
3 4 5				5.0 12.0 7.5	0.125	x x x	Aluminum Stainless Steel Stainless Steel			6PA43 6PA63 6PA69
6	1.500 (Bu	itton Dia.)		2.68						6PA57
7	0.750 0.750 0.750 0.750	0.250 0.250 0.250 0.250	Steel MDN Steel MDN					x x	x x	6PA82 6PA102 6PA80 6PA119
8 9 9	Coil Sprin	pe ng Actuator ng with Rod re Actuator		5.55 5.55 5.55 7.53	0.189 0.264 0.264 0.040					9PA58* 9PA42* 9PA49* 9PA54*
10	0.440	0.188	Steel	7.55		ith Boot Sea				9PA79**
12	0.656	0.188	Steel			Door 3ea	İ			9P A33*
13		atea Plunge								9PA32*
14	Top Actuates Plunger with Boo			ot Seal						9PA78**
15	0.656	0.188	Steel							9PA45*
15	Side Actu	atea Plunge	r							9PA44*
† High Strength Nylon Roller * Order complete head assembly. Actuator not sold separately †† With Ball Bearings ** This actuator is NOT interchangeable with the same actuator design without boot seal.										

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Measurements in Inches.