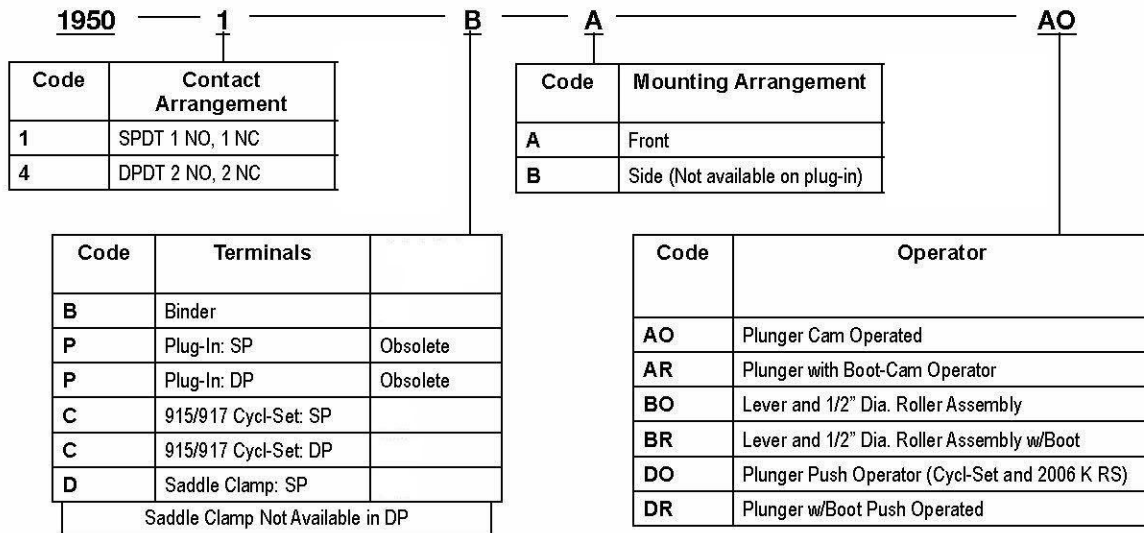


The Gemco Precision Snap Switches are designed for industrial duty applications where compact size, complete reliability and millions of trouble free operations are required. The housing is molded material which has excellent resistance to arcing and carbon tracking. The operating button is of molded nylon, a material with excellent wear characteristics. The button is well guided at the top and bottom to insure accurate repeatability and minimum wear. The large button diameter and bearing surface allows it to be actuated by either a rotating or reciprocating cam.

The mounting of the precision snap switch is accomplished with two number 6 screws in the brass eyelets, which also serve to rivet and seal the case. The number 6-32 binder head terminal screws in the rear of the unit are easily accessible. The plug-in socket allows for substitution of switches without disturbing original wiring. They are provided with saddle clamp wiring and have a convenient marking strip. A saddle clamp terminal facilitates assembly of the single or multi-stranded conductor where connector fittings are not being used and assures isolation of individual connections. Available on SPDT only.



Special Purpose Switches

Part Number	Description	Product Line
1950-1404	SPDT	1970
1950-1405	DPDT	1970
1950-1413	SPDT (slow make - slow break), replacement for 1950-1406, has one NO and one NC contact	1980
1950-1414	SPDT (NOT AVAILABLE in slow make - slow break), with heavy duty spring, for high shock and vibration applications, prevents contact bounce, replacement for 1950-1416	1980
1950-1405	DPDT, with heavy duty spring, for high shock and vibration applications, prevents contact bounce	1980 / 1970
1950-1408	SPDT (slow make- slow break)	915/917/2006
P0034600	Adjusting Tool	1980

Part Number	Plug-In Socket Assembly (not including limit switch)
SD0157100	Roller Follower Adaptor (AO and AR Numbered Snap Switch) Also Known As: P-518-B or P-520-B

Operating Data Standard Operator		
Action	SPDT	DPDT
Pretravel	0.057 - 0.074	0.057 - 0.074
Differential	0.015 - 0.025	0.025 - 0.046
Reset Overtravel	0.032 - 0.059	0.015 - 0.046
Total Travel	0.013 - 0.120	0.013 - 0.0120
Operating Force	14 - 16 Oz.	14 - 16 Oz.

Leaf Roller Operator		
Action	SPDT	DPDT
Pretravel	0.145 - 0.185	0.145 - 0.185
Differential	0.038 - 0.063	0.063 - 0.115
Reset Overtravel	0.077 - 0.099	0.047 - 0.087
Total Travel	0.220 - 0.230	0.220 - 0.230
Operating Force	14 - 16 Oz.	14 - 16 Oz.

Electrical Switches

Description

The GEMCO Precision Snap Switches are designed for industrial duty applications where compact size, complete reliability and millions of trouble free operations are required.

The housing is molded material which has excellent resistance to arcing and carbon tracking. The operating button is of molded nylon, a material with excellent wear characteristics.

The button is well guided at the top and bottom to insure accurate repeatability and minimum wear.

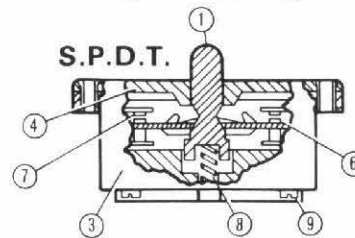
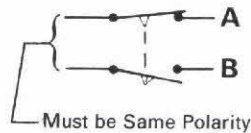
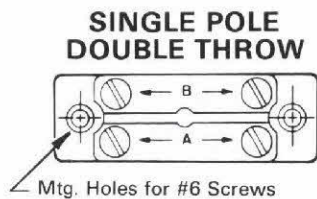
Any combination of single-pole double-throw or double-pole double-throw snap action switches can be supplied with the GEMCO Rotating Cam Limit Switch.

The switches are individually mounted and can be readily replaced without the need of adjustment or alignment. All switches have binder head terminal screws which are accessible for wiring with either stripped or wire lug connections.

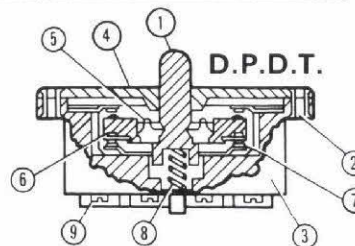
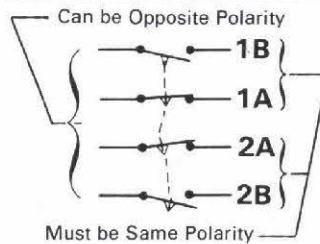
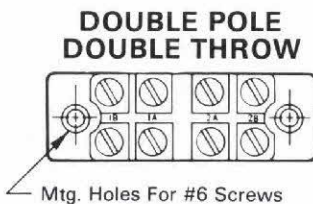


NOTE: Refer to Catalog Section 1950 for detailed information pertaining to all Standard and Special Switch Options.

Switch replacement is recommended every 15 million cycles.



1. Plunger
2. Eyelet
3. Enclosure
4. Cover
5. Contact Spring
6. Movable Contact Ass'y
7. Stationary Contact Ass'y
8. Return Spring
9. Terminal Screws



Electrical Contact Ratings													
Switch Type	Contacts	Volts	AC					Continuous Carrying Amps	Make, Break and Continuous Carrying Amperes	Volts	DC		
			Inductive Pilot Duty 35% Power Factor				Resistive 75% Power Factor				Inductive Pilot Duty and Resistive		
			Make		Break		Make, Break and Continuous Carrying Amperes				Make and Break Amps		Continuous Carrying Amps
			Amps	VA	Amps	VA					Single-Throw	Double-Throw	
1950-4	DPDT	115	30	3450	3	345	10	10	115	1.0	0.2	10	
		230	15	3450	1.5	345	10	10	230	0.3	0.1	10	
		440	7.5	3450	0.75	345	10	10	600	0.1	--	10	
		575	6	3450	0.6	345	10	10	--	--	--	--	
1950-1	SPDT	110	40	--	15	--	15	15	115	0.5	0.25	15	
		220	20	--	10	--	15	15	230	0.25	0.1	15	
		440	10	--	6	--	15	15	600	0.05	--	15	
		600	8	--	5	--	15	15	--	--	--	--	



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**AMETEK AUTOMATON &
PROCESS TECHNOLOGIES**
1080 N CROOKS RD
CLAWSON, MI 48017 USA

E56660

404 or 405 followed by suffixes.

404L followed by 1, 3 or 4, followed by 0, 3, 4, 5, 6, 7 or 9, followed by 1 or 2, followed by 11, 21, 31, 41, 51 or 71.

1950-1406 Series; 1950 followed by 1 or 4, followed by BA, followed by -AO -AR, -DO or -DR.

Marking: Company name and model designation, manufacturing and electrical rating.

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