Gemco

PRECISION LIMIT SWITCH UNIT

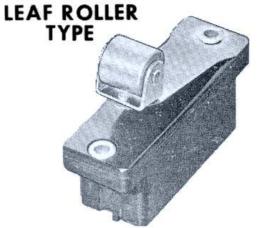
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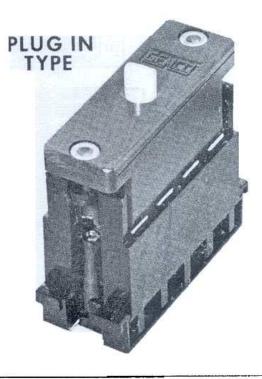


SEALED PLUNGER TYPE **FEATURES:**

- . N.O. and N.C. single pole double throw
- 2 N.O. and 2 N.C. double pole double throw
- Snap action silver cadmium oxide contacts with high contact pressure, and low resistance.
- Precision operation for repeat accuracy, reliability and long life performance.
- Contact mechanism completely enclosed in a molded case.
- Rugged duty nylon operating button for optimum strength and high speed reliability.
- Terminal screws or plug in socket readily accessible for ease of wiring.
- Underwriters Laboratories, Inc. Recognized.
- Temperature Limits –50°F. - +185°F.







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JUNE 1983

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PRECISION LIMIT SWITCH UNIT



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.

CONSTRUCTION

The housing is a 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.

MOUNTING SNAP SWITCH

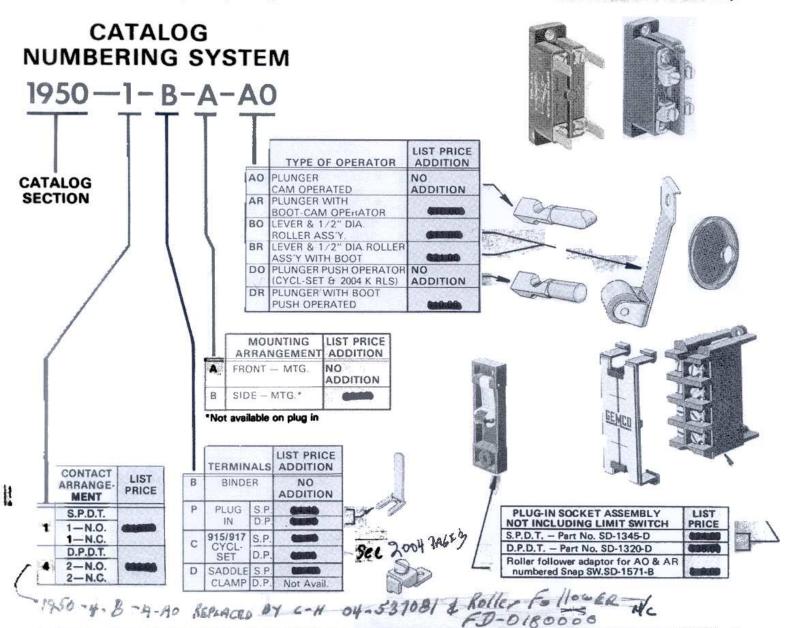
The mounting of the precision snap switch is accomplished with two No. 6 screws in the brass eyelets, which also serve to rivet and seal the case. The No. 6-32 binder head terminal screws in the rear of the unit are easily accessible.

PLUG-IN SOCKET

The new 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.

SADDLE CLAMP TERMINALS

Facilitates assembly of single or multi-stranded conductor where connector fittings are not being used. Assures isolation for individual connections, Available on S.P.D.T. only.



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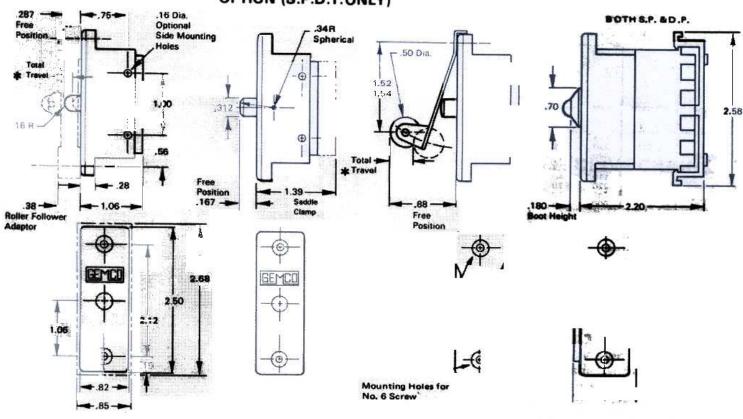
PRECISION LIMIT

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SNAP SWITCH
WITH
STANDARD
"AO" OPERATOR
AND ADAPTOR OPTION

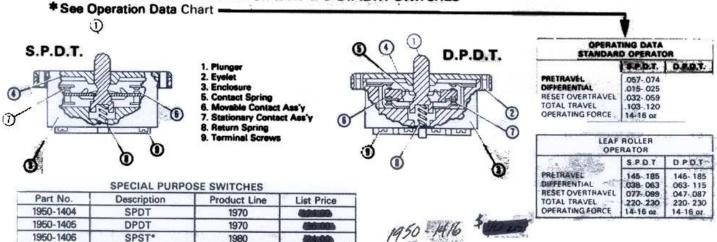
SNAP SWITCH
WITH
STANDARD
"DO" OPERATOR
AND SADDLE CLAMP
OPTION (S.P.D.T.ONLY)

SNAP SWITCH WITH LEAF ROLLER "BO" OPERATOR PLUG-IN SNAP SWITCH WITH PLUG-IN SOCKET ASSEMBLY AND PLUNGER BOOT OPTION



ABOVE DIMENSIONS FOR BOTH S.P.D.T. and D.P.D.T. SWITCHES

915/917/2004



"slow make - slow break

1950-1408

ALL DIMENSIONS IN INCHES

SPDT*

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DIMENSION SHEET



PRECISION LIMIT SWITCH UNIT



ELECTRICAL CONTACTS

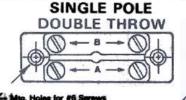
The welded silver cadmium oxide contacts provide the following advantages: (1) High electrical conductivity, (2) Excellent resistance to sticking contacts, (3) Minimum electrical erosion.

The presence of cadmium oxide gives high arc quenching characteristics of cadmium without a reduction of high conductivity of fine silver. This is because the cadmium oxide remains as discrete particles throughout the silver base and each exhibits its own physical characteristics.

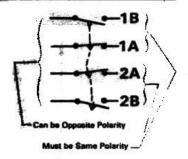
ELECTRICAL CONTACT RATINGS

Switch Type	Contacts	Volts	laductive Pilot Duty 35% Power Factor					Resistive 75% Power Factor		DC Inductive Pilot Duty and Resistive	
			Make		Breek		Con-			Make and Break Amperes	Con
			Amps.	VA	Amgs.	VA	Carrying Amperes	Make, Breek and Continuous Carrying Amperes	Voits	Double Throw	Carrying Amps.
1950-4	OPDT	115 230 440 575	30 75 6	3450 3450 3450 3450	3 1.5 0.75 0.8	345 345 345 345	10 10 10	10 10 10	115 230 800	0.2 0.1	10 10 10
1950-1	SPOT	110 220 440 600	40 20 10	44	16 10 6		15	15 16 15 15	115 230 600	0.25 0.1	15 15 - 15







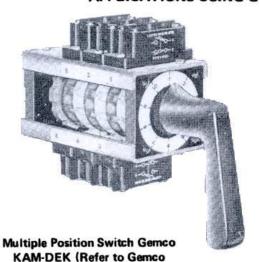


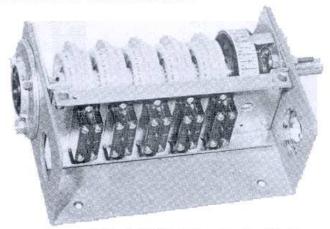
APPLICATION NOTE:

The N.O. and N.C. contacts of the single pole, double throw snap switch must be used on circuits of the same polarity. The two pole snap switch has two electrically separate poles, which can be used on opposite polarities.

The N.O. and N.C. circuit of each pole of the two pole snap switch, however, must be used on the same polarity.

APPLICATIONS USING GEMCO PRECISION LIMIT SWITCH UNITS





Gemco 5 Circuit NEMA 1 Rotating Cam Limit Switch with Timing Dial (Refer to Gemco Catalog Sections 1980 & 1981)

Catalog Sections 1946)