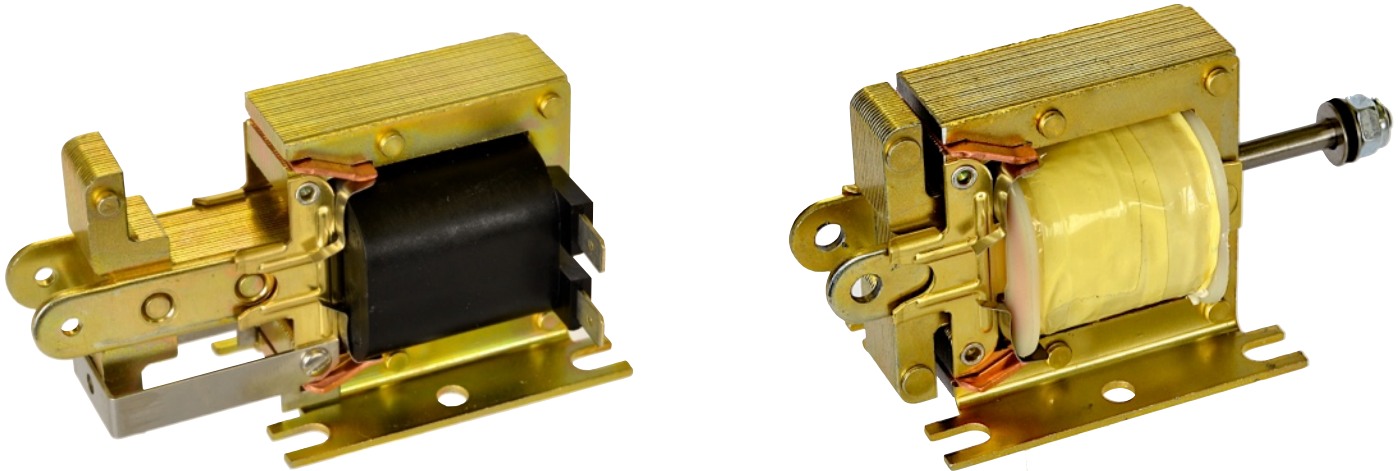




GUARDIAN
GUARDIAN ELECTRIC MANUFACTURING CO.

Type 18 Laminated Solenoid

(With Plunger Retention)



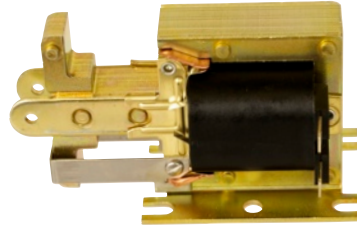
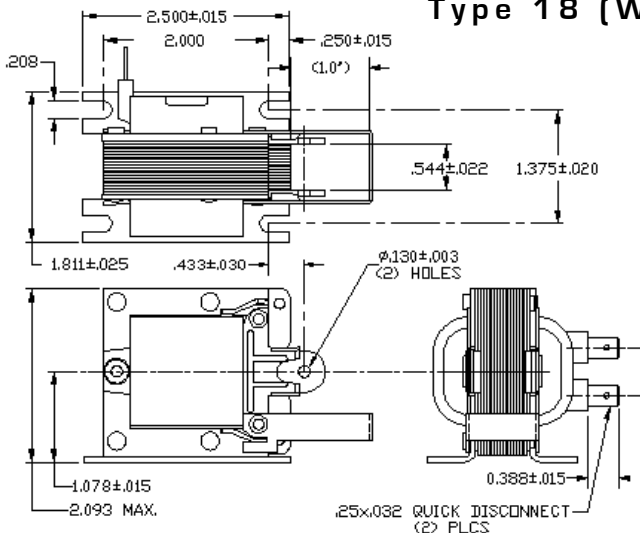
FEATURES & BENEFITS

- Two retaining methods available
- Push or Pull type
- Extension rod in 18P version
- Precise stroke control
- Quick disconnect tabs or solder lugs
- 120 VAC & 240 VAC versions available
- Continuous or Intermittent service
- Allows for vertical mounting of the solenoid
- Versatility in applying solenoid in application
- Reduces droop & binding in horizontal applications
- Improves long term system performance
- Easy electrical connection
- Meets most application needs
- Meets all duty requirements

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SPECIFICATIONS

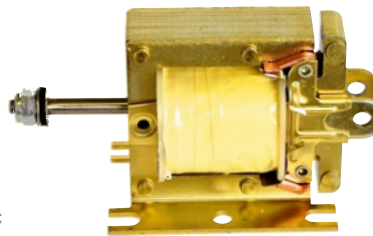
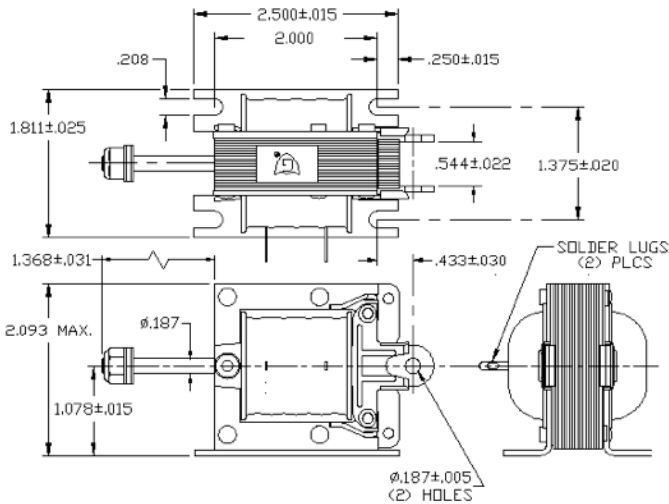
Type 18 (With Retention Bracket)



Duty Cycle	AC Volts	Res. (Ω)	Power (VA)	Current (Seated)
Intermittent	120	8	228	1.9 A
Continuous	120	20.3	49	408 mA
Intermittent	240	46.9	228	950 mA
Continuous	240	80.7	49	204 mA

Stroke (in.)	Pull Force (oz.)							Holding Force (oz.)
	0.125	0.250	0.375	0.500	0.625	0.750	1.000	-
Continuous	155	115	105	105	105	100	60	245
Intermittent	336	240	200	195	200	195	144	430

Type 18P (With Retention Feature)



Duty Cycle	AC Volts	Res. (Ω)	Power (VA)	Current (Seated)
Intermittent	120	8.8	228	2.0 A
Continuous	120	19.7	49	430 mA
Intermittent	240	45	228	1.1 A
Continuous	240	78	49	220 mA

Stroke (in.)	Pull Force (oz.)							Holding Force (oz.)
	0.125	0.250	0.375	0.500	0.625	0.750	1.000	-
Continuous	155	115	105	105	105	100	60	245
Intermittent	336	240	200	195	200	195	144	430



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