Type 70
SPNO

Sec.	STANCOR PART NUMBER	Duty Cycle	Terminal Type*	Pole Form	Bracket Style	Coil Volt. D.C.	Coil Resistance (Ohms) @ 25°C	Contact Material	Contact Rating-(Amps.) Inductive Load Volt. D.C.	Normally Open Continuous	Normally Open Inrush**	Normally Closed Continuous	Normally Closed Inrush	DIMENSIONS INCHES Case L	Case W	Case H	Weight (oz.)	Agency* Certif.
A	70-917	Continuous	3B	SPNO	Standard	6	4	Copper	6	80	800	-	-	2.47	3.48	2.40	12.5	UL
	70-901	Continuous	4	SPNO	Standard	6	4	Copper	6	80	800	-	-	2.47	3.48	2.40	12.5	UL
	70-905	Continuous	4	SPNO	Standard	6	4	Silver	6	80	800	-	-	2.47	3.48	2.40	12.5	UL
	70-914	Continuous	3A	SPNO	Standard	12	16	Copper	12	80	400	-	-	2.47	3.48	2.40	12.5	UL
B	70-918	Continuous	3B	SPNO	Standard	12	16	Copper	12	80	400	-	-	2.47	3.48	2.40	12.5	UL
	70-902	Continuous	4	SPNO	Standard	12	16	Copper	12	80	400	-	-	2.47	3.48	2.40	12.5	UL
	70-906	Continuous	4	SPNO	Standard	12	16	Silver	12	80	400	-	-	2.47	3.48	2.40	12.5	UL
	70-915	Continuous	3A	SPNO	Standard	24	60	Copper	24	50	200	-	-	2.47	3.48	2.40	12.5	UL
C	70-903	Continuous	4	SPNO	Standard	24	60	Copper	24	50	200	-	-	2.47	3.48	2.40	12.5	UL
	70-907	Continuous	4	SPNO	Standard	24	60	Silver	24	50	200	-	-	2.47	3.48	2.40	12.5	UL
	70-904	Continuous	4	SPNO	Standard	36	114	Copper	36	50	200	-	-	2.47	3.48	2.40	12.5	UL
	70-908	Continuous	4	SPNO	Standard	36	114	Silver	36	50	200	-	-	2.47	3.48	2.40	12.5	UL

* Terminal Type: "3A" = Coil Grounded to Case
"3B" = Coil Common to Load
"4" and "6" = Isolated Coil

** Inrush Current: Current applied within the first 1/2 second of contact closure

✻ Agency Certification Note: U.L. 583 Recognized (File AU2138)

For outline drawings refer to pages 89-90.

Engineering Design Data

D.C. Type	Coil Rating: Nominal Magnetic Coil Rating (Watts)	Operation in % of Nom. Coil Rating: Pick-up	Operation in % of Nom. Coil Rating: Max. Safe Operate	Breakdown Voltages All Terminals - 60 Hz RMS: Opposite Polarity	Breakdown Voltages All Terminals - 60 Hz RMS: Open Contacts Same Polarity	Breakdown Voltages All Terminals - 60 Hz RMS: To Ground	Contact Material: Power	Contact Material: Pilot	Electrical Life: Oper. At Rated Load	Electrical Life: Oper. Per Min.	Mechanical Life: Oper. At No Load	Mechanical Life: Oper. Per Min	Max. Oper. Amb. °F
70	9	75%	110%	500	500	500	Copper	-	100,000	4	250,000	4	122
							Silver Alloy	-	200,000	4	250,000	4	-

Temperature Range

— -40°F to 122°F

Terminations

— Contacts: 5/16"-24 UNF-2A thread

— Coil: #10-32 UNF-2A thread

Recommended Mounting

— Plunger vertical with cap down

Hardware Torque Specification

— Contact Terminal: 45-55 inch-lbs.

— Coil Terminal: 12-18 inch-lbs.

— Caution: A back-up wrench *must* be used to hold the bottom nut stationary.

Type 70 Custom Design Capabilities

— Coil Voltage 6 VDC through 48 VDC

— Curved mounting bracket

— Please complete application data form on page 99 of this section.

Note: Caution must be used in coil selection for use in 12 volt systems where battery charging may expose coil to continuous, higher-than-rated voltage.

White-Rodgers will not be responsible for consequences of misapplied solenoids.

Type 70

Type 70
SPDT

Sec.	STANCOR PART NUMBER	Duty Cycle	Terminal Type*	Pole Form	Bracket Style	Coil Volt. D.C.	Coil Resistance (Ohms) @ 25°C	Contact Material	Contact Rating-(Amps.) Inductive Load Volt. D.C.	Normally Open Continuous	Normally Open Inrush**	Normally Closed Continuous	Normally Closed Inrush**	DIMENSIONS INCHES Case L	Case W	Case H	Weight (oz.)	Agency* Certif.
A	70-909	Continuous	6	SPDT	Standard	6	4	N.O. and N.C. Silver	6	80	800	60	100	3.31	3.48	2.40	14.0	UL
	70-922	Continuous	6	SPDT	Standard	12	16	N.O. Copper N.C. Silver	12	80	400	60	60	3.31	3.48	2.40	14.0	UL
	70-910	Continuous	6	SPDT	Standard	12	16	N.O. and N.C. Silver	12	80	400	60	60	3.31	3.48	2.40	14.0	UL
B	70-923	Continuous	6	SPDT	Standard	24	60	N.O. Copper N.C. Silver	24	50	200	30	30	3.31	3.48	2.40	14.0	UL
	70-911	Continuous	6	SPDT	Standard	24	60	N.O. and N.C. Silver	24	50	200	30	30	3.31	3.48	2.40	14.0	UL
	70-912	Continuous	6	SPDT	Standard	36	114	N.O. and N.C. Silver	36	50	200	30	30	3.31	3.48	2.40	14.0	UL

* Terminal Type: "3A" = Coil Grounded to Case
"3B" = Coil Common to Load
"4" and "6" = Isolated Coil

** Inrush Current: Current applied within the first 1/2 second of contact closure

⁕ Agency Certification Note: U.L. 583 Recognized (File AU2138)

For outline drawings refer to page 90.

Engineering Design Data

D.C. Type	Coil Rating: Nominal Magnetic Coil Rating (Watts)	Operation in % of Nom. Coil Rating: Pick-up	Operation in % of Nom. Coil Rating: Max. Safe Operate	Breakdown Voltages All Terminals - 60 Hz RMS: Opposite Polarity	Breakdown Voltages All Terminals - 60 Hz RMS: Open Contacts Same Polarity	Breakdown Voltages All Terminals - 60 Hz RMS: To Ground	Contact Material: Power	Contact Material: Pilot	Electrical Life: Oper. At Rated Load	Electrical Life: Oper. Per Min.	Mechanical Life: Oper. At No Load	Mechanical Life: Oper. Per Min	Max. Oper. Amb. °F
70	9	75%	110%	500	500	500	Copper	-	100,000	4	250,000	4	122
							Silver	-	200,000	4	250,000	4	-

Terminations

— Contacts: 5/16"-24 UNF-2A thread

— Coil: #10-32 UNF-2A thread

Recommended Mounting

— Plunger vertical with cap down

Hardware Torque Specification

— Contact Terminal: 45-55 inch-lbs.

— Coil Terminal: 12-18 inch-lbs.

— Caution: A back-up wrench *must* be used to hold the bottom nut stationary.

Type 70 Custom Design Capabilities

— Coil Voltage 6 VDC through 48 VDC

— Curved mounting bracket

— Please complete application data form on page 99 of this section.

Note: Caution must be used in coil selection for use in 12 volt systems where battery charging may expose coil to continuous, higher-than-rated voltage.

White-Rodgers will not be responsible for consequences of misapplied solenoids.

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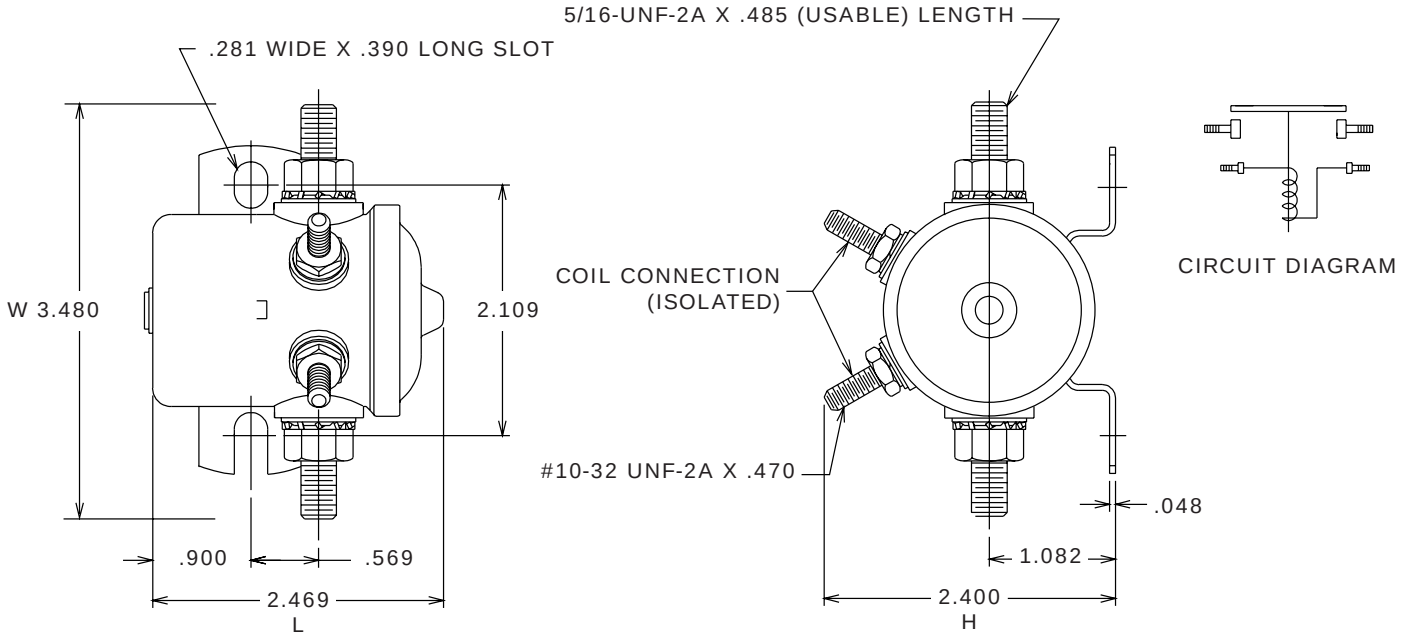
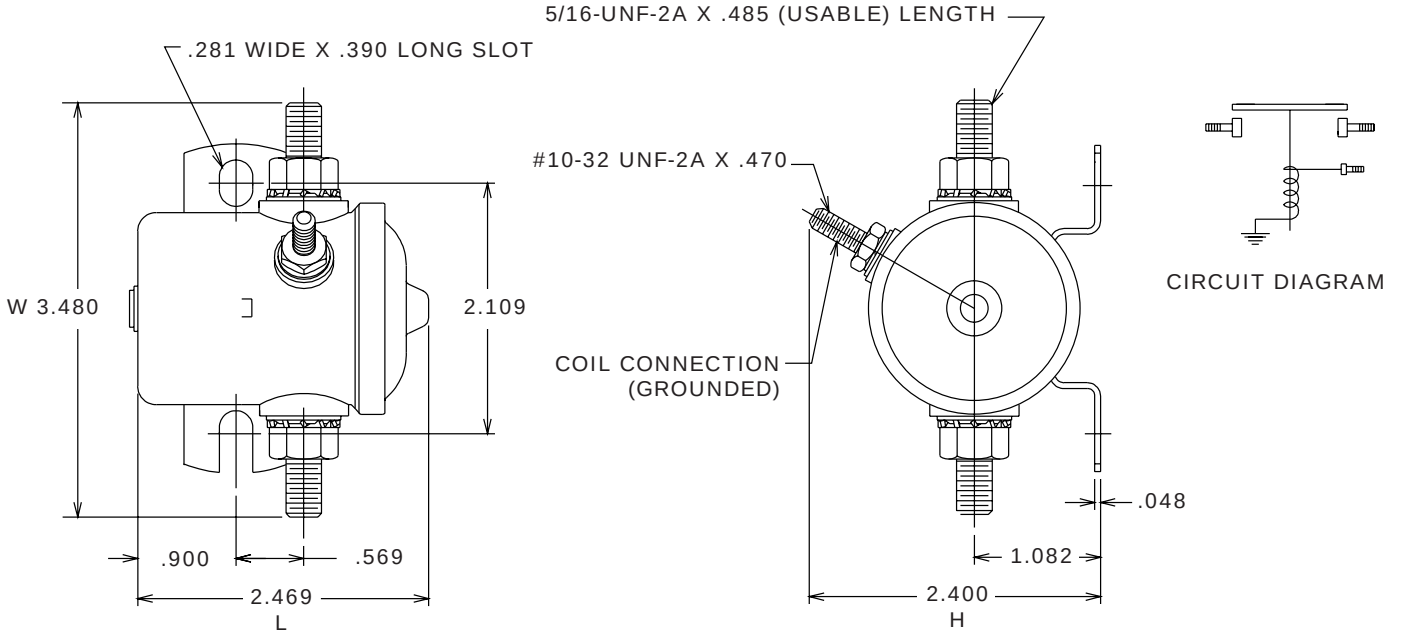
Terminal Type 4 – Isolated Coil



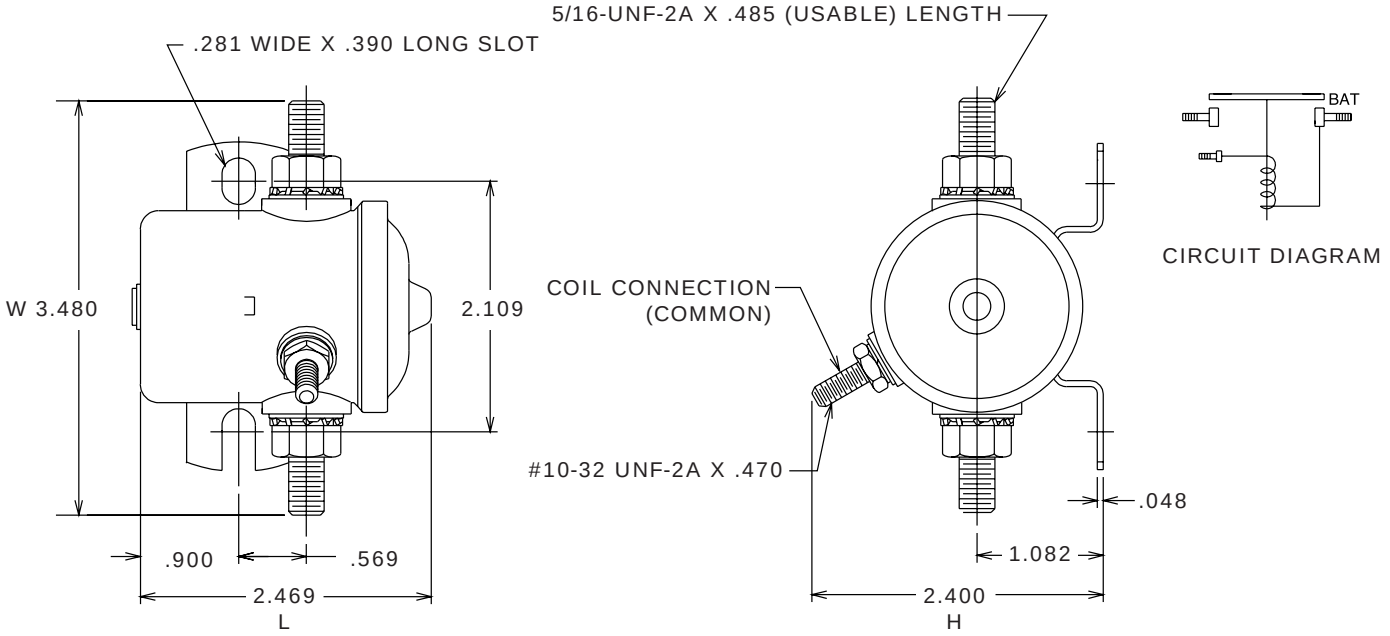
Terminal Type 3A – Coil Grounded to Case



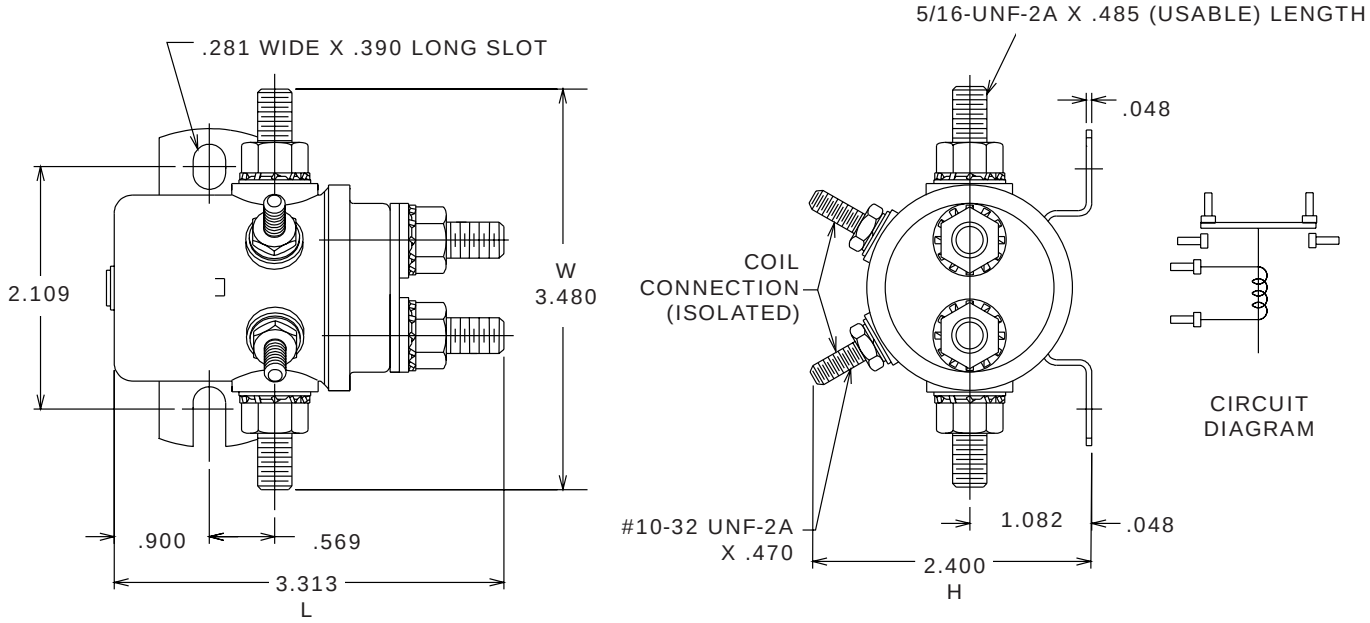
Outline drawings continued on page 90.

Type 70

Terminal Type 3B – Coil Common to Load



Terminal Type 6 – Isolated Coil



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