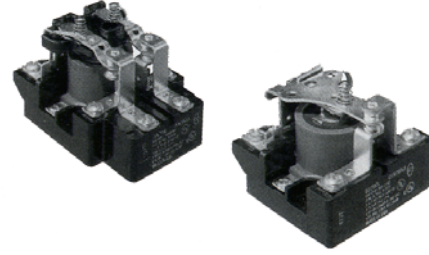


# AZ900

## 30 AMP HEAVY DUTY POWER RELAY

### FEATURES

- 1 Form C contacts, 2 Form C contacts
- AC and DC coils available
- UL Class F (155°C) molded construction
- UL, CUL file E44211



### CONTACTS

<b>Arrangement</b>	SPDT (1 Form C) DPDT (2 Form C)
<b>Ratings</b>	Resistive load: Max. switched power: 840 W or 12000 VA Max. switched current: 30 A Max. switched voltage: 600 VAC, 28 VDC
<b>UL, CUR</b>	30 A at 240 VAC 1.5 HP at 120 VAC 2.0 HP at 240 VAC 3600 VA at 120 VAC / 240 VAC ballast 30 A at 240 VAC Res., 100k cycles 20 A at 600 VAC 30 A at 28 VDC
<b>Material</b>	Silver cadmium oxide
<b>Resistance</b>	< 50 milliohms initially (24 V, 1 A voltage drop method)

### GENERAL DATA

<b>Life Expectancy</b> <b>Mechanical</b> <b>Electrical</b>	Minimum operations 1 x 10 <sup>7</sup> 1 x 10 <sup>5</sup> at 30 A 240 VAC Res.
<b>Operate Time (typical)</b>	30 msec at nominal coil voltage
<b>Release Time (typical)</b>	30 msec at nominal coil voltage (without suppression)
<b>Dielectric Strength</b> (at sea level for 1 min.)	2200 Vrms contact to contact 2200 Vrms contact to coil
<b>Insulation Resistance</b>	100 megohms min. at 20°C, 500 VDC 50% RH
<b>Dropout</b>	DC: > 10% of nominal coil voltage AC: > 20% of nominal coil voltage
<b>Ambient Temperature</b> <b>Operating</b>	-45°C (-49°F) to 80°C (176°F) AC coil, 30A -45°C (-49°F) to 115°C (239°F) DC coil, 30A
<b>Weight</b>	227 grams

### COIL

<b>Power</b>	
<b>At Pickup Voltage (typical)</b>	DC: 1.12 mW AC: 6.9 VA
<b>Max. Continuous Dissipation</b>	DC: 3.3 W at 20°C AC: 12.5 VA at 20°C
<b>Temperature Rise</b>	70°C at nominal coil voltage (AC) 35°C at nominal coil voltage (DC)
<b>Max. Temperature</b>	155°C (311°F)

### NOTES

1. All values at 25°C (77°F).
2. Relay may pull in with less than "Must Operate" value.
3. Specifications subject to change without notice.



**AMERICAN ZETTLER, INC.**

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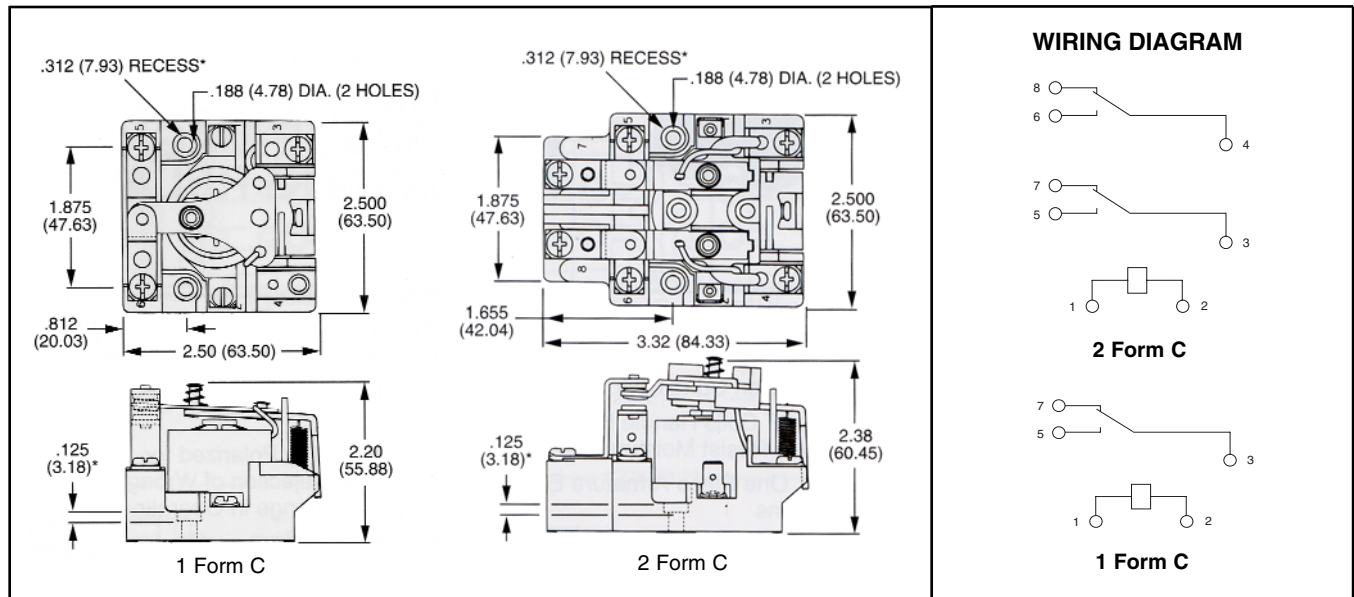
# AZ900

## RELAY ORDERING DATA

COIL SPECIFICATIONS – DC Coil					ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Nominal Current mA ± 10%	Coil Resistance ± 10%	
6	4.50	7.8	333	18	AZ900-1C-6D
12	9.1	15.4	166	72	AZ900-1C-12D
24	18.0	32.0	83	290	AZ900-1C-24D
48	36.0	62.6	42	1150	AZ900-1C-48D
110	82.5	143.0	18.2	6050	AZ900-1C-110D
COIL SPECIFICATIONS – AC Coil 50/60 Hz					ORDER NUMBER*
Nominal Coil VAC	Must Operate VAC	Max. Continuous VAC	Nominal Coil Power VA	Coil Resistance ± 10%	
6	5.1	6.9	9.5	0.85	AZ900-1C-6A
12	10.2	13.8	9.5	2.85	AZ900-1C-12A
24	20.4	27.6	9.5	11.5	AZ900-1C-24A
120	102.0	138.0	9.5	295.0	AZ900-1C-120A
240	204.0	276.0	9.5	1170.0	AZ900-1C-240A
480	408.0	552.0	9.5	4860.0	AZ900-1C-480A

\*For double pole version replace '-1C' with '-2C.'

## MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: ± .010"



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