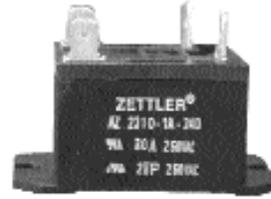


AZ2310

30 AMP MINIATURE POWER RELAY

FEATURES

- Low cost
- 30 Amp switching
- 70 Amp inrush current
- Quick connect terminals
- Creepage distance more than 8 mm
- UL, CUR file E44211



CONTACTS

Arrangement	SPST N.O. (1 Form A)
Ratings	Resistive load: Max. switched power: 7500 VA Max. switched current: 30 A Max. switched voltage: 250 VAC
Rated Load UL, CUR	30 A at 250 VAC Res. 2 HP 125/250 VAC TV-15 at 120 VAC
Material	Silver tin oxide
Resistance	< 30 milliohms initially (24 V, 1 A voltage drop method)

COIL

Power At Pickup Voltage (typical)	588 mW
Max. Continuous Dissipation	2.0 W at 20°C (68°F) ambient
Temperature Rise	30°C (54°F) at nominal coil voltage
Temperature	Max. 105°C (221°F)

NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Specifications subject to change without notice.

GENERAL DATA

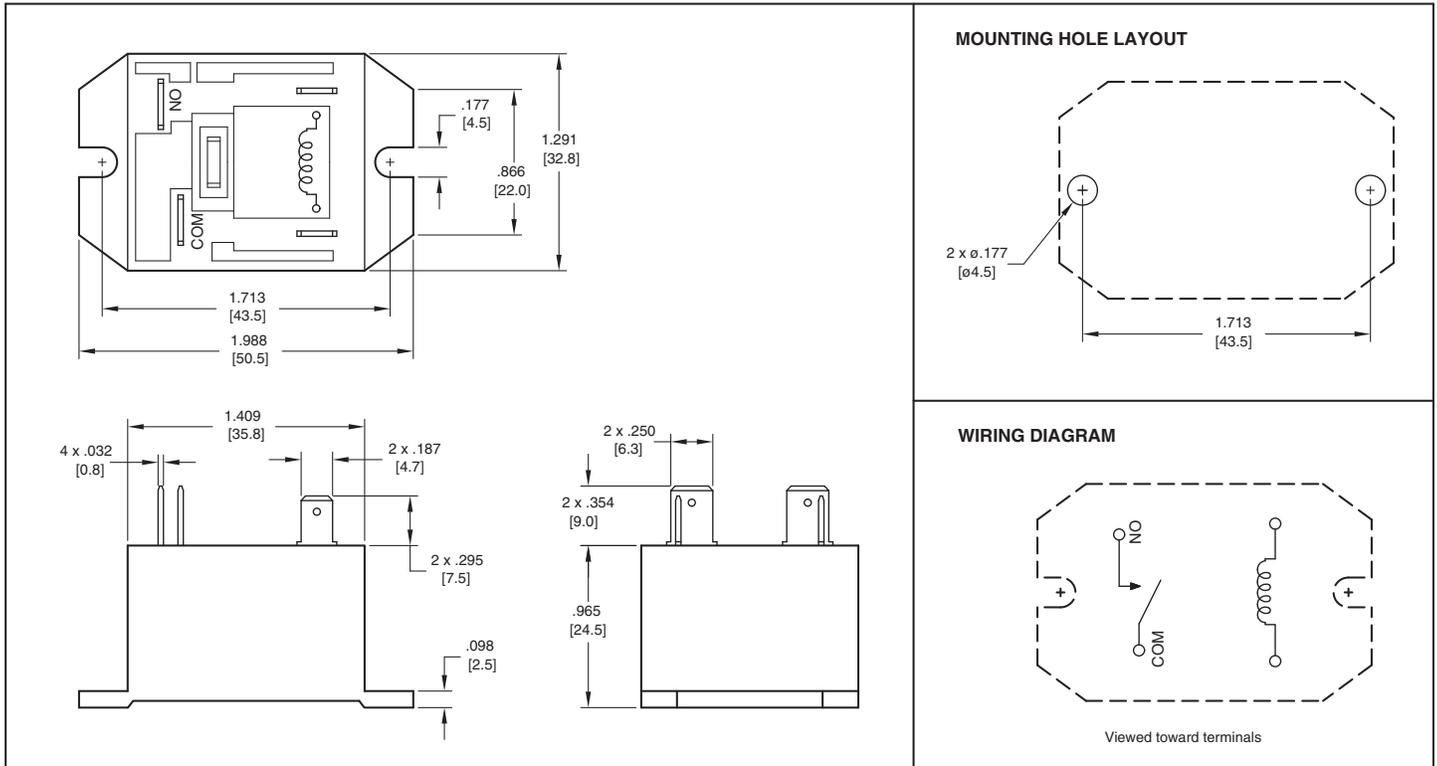
Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 30 A 240 VAC Res.
Operate Time (typical)	20 ms at nominal coil voltage
Release Time (typical)	5 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1min)	4000 Vrms coil to contact 1200 Vrms between open contacts
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC, 50% RH
Dropout	Greater than 10% of nominal coil volt age
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)
Vibration	0.04" DA at 10-55 Hz
Shock Operating Non-Operating	10 g, 11 ms, 1/2 sine (no false operation) 100 g, 11 ms, 1/2 sine (no damage)
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy P.C. & quick connect Note: Allow suitable slack on leads when wiring, and do not subject the terminals to excessive force.
Weight	55 grams

AZ2310

RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Form A (SPST N.O.)
3	2.1	3.9	7.5	AZ2310-1A-3D
5	3.5	6.3	20	AZ2310-1A-5D
6	4.2	7.7	30	AZ2310-1A-6D
9	6.3	11.6	67	AZ2310-1A-9D
12	8.4	15.5	120	AZ2310-1A-12D
24	16.8	31.0	480	AZ2310-1A-24D
48	33.6	62.0	1920	AZ2310-1A-48D
60	42.2	77.5	3000	AZ2310-1A-60D

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: $\pm .010$ "

AMERICAN ZETTLER, INC.

11/30/05W

PHONE: (949) 831-5000

www.azettler.com

E-MAIL: SALES@AZETTLER.COM

This specification provides an overview of the most significant part features. Any individual applications and operating conditions are not taken into consideration. It is recommended to test the product under application conditions. Responsibility for the application remains with the customer. Proper operation and service life cannot be guaranteed if the part is operated outside the specified limits.