

# AC Frame Solenoid

## Model 4



1425 Lake Avenue, Woodstock, IL 60098

### Features:

Available return spring kit  
AC & DC Applications (See Model 4 DC)  
UL recognized  
RoHS Compliant  
Coil Termination: 3/16" QC terminals

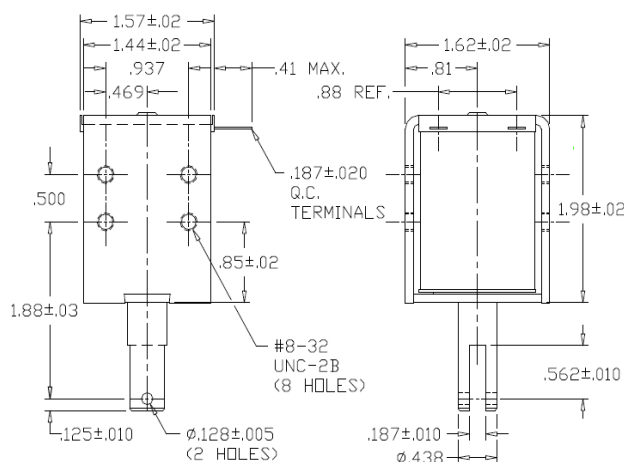
### Electrical:

Coil Voltages: 120, 240 VAC standard  
Duty Cycle: 100% Continuous, 25% Intermittent,  
10% Intermittent, 1% Intermittent  
Coil treatment: Plastic cover  
Insulation Class: Class A Rating - 105° C (221° F)  
Dielectric Strength: 1500V 60 Hz

### Mechanical:

Size: 1.98" (L) x 1.57" (W) x 1.62" (H)  
Plunger Diameter: 0.438"  
Plunger Guide Material: Plastic  
Mounting: 8 - #8-32 holes  
Weight: Plunger 1.6 oz, Total 12.6 oz  
Life Expectancy: 1 Million Cycles<sup>1</sup>

<sup>1</sup> - Dependent on load conditions



Solenoid shown energized with plunger fully seated

### Standard Part Numbers

Model No.	Part No.	Duty Cycle	Voltage	Resistance <sup>2</sup> (Ω)	Power (W)	Current
4-C-120A	A420-065936-00	Cont.	120VAC	133	10	83 mA
4-I-120A	A420-065937-00	Inter. 25%	120VAC	37	60	500 mA
4-C-240A	A420-065938-00	Cont.	240VAC	561	10	42 mA
4-I-240A	A420-065939-00	Inter. 25%	240VAC	148	60	250 mA

<sup>2</sup> - Coil resistance tolerance +/- 5%

Contact us for custom voltages or duty cycles



### Available Customization:

- Plunger
  - AC Voltage / Duty Cycle
  - Coil Termination
  - Insulation systems up to class H 180° C (356° F)
- \* Minimum quantities apply

Typical Pull Force Ounces [N] @ 20°C (68°F) (Distance from fully seated position)								HOLDING FORCE Ounces [N]
Stroke (in.)	0.125	0.250	0.375	0.500	0.625	0.750	1.000	
Continuous 100%	10 [2.8]	9 [2.5]	9 [2.5]	10 [2.8]	12 [3.3]	13 [3.6]	12 [3.3]	43 [12]
Intermittent 25%	38 [10.6]	32 [8.9]	35 [9.7]	38 [10.6]	44 [12.2]	46 [12.8]	46 [12.8]	92 [25.6]

Continuous Duty = 100% On Time

Intermittent Duty 25% = 25% On Time (5 Minutes On Max Followed By 15 Minutes Off)

Optional Return  
Spring Kit

A490-367462-03



www.Kelcoind.com

Information contained in this specification sheet subject to change without notice. Guardian Electric ©

