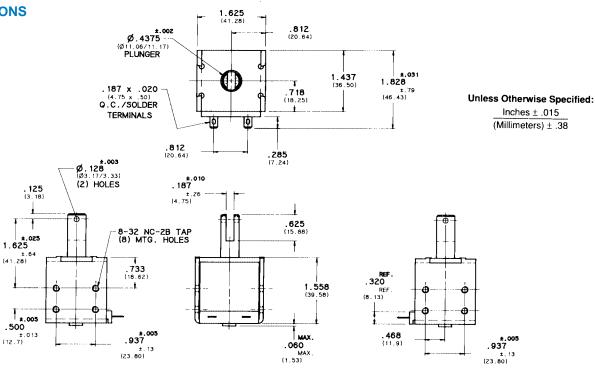


CONTROLS DIVISION OF DELTROL CORP.

D-2 "D" FRAME SOLENOID





COIL TREATMENT:

Plastic Encapsulation.

Class A Rating (standard) Class F Rating (optional)

MAXIMUM OPERATING TEMPERATURE:

Class A - 105°C (221°F)

Class F - 155°C (311°F)

DIELECTRIC STRENGTH:

30 Volts and Under: 500 VRMS

Over 30 Volts: 1,000 VRMS plus 2x rated

voltage for one minute

STANDARD POWER RATINGS:

| DUTY | NOMINAL AC POWER (SEATED) | NOMINAL DC POWER | | |
|--------------|---------------------------|---------------------|--|--|
| Continuous | 13 VA | 11 W | | |
| Intermittent | 59 VA | 29 W | | |
| Pulse | 135 VA | 115 W | | |

UL INFORMATION:

UL File No. E57982 For Continuous Duty UL File No. E74443 For Insulation Systems S105, S130, S130D, S130D1 & S155D

WEIGHT:

Plunger - 1.2 Oz.

Total - 10 Oz.

PLUNGER GUIDE MATERIAL:

Plastic

LIFE EXPECTANCY:

107 Cycles Under Optimum Load Conditions

TERMINATION:

.187 In. Quick-Connect/Solder Lug (standard)

.250 In. Quick-Connects (optional)

Wire Leads (optional with tape-wrapped coils)

PLUNGER CONE ANGLE (DC):

60 degrees (standard)

also available flat, 90 degrees, custom

MAXIMUM DIMENSIONS:

Length 1.573 In. Width 1.859 In. Height 1.640 In. Plunger Diameter Ø.4395 In.

MAXIMUM STROKE:

1.000 In.

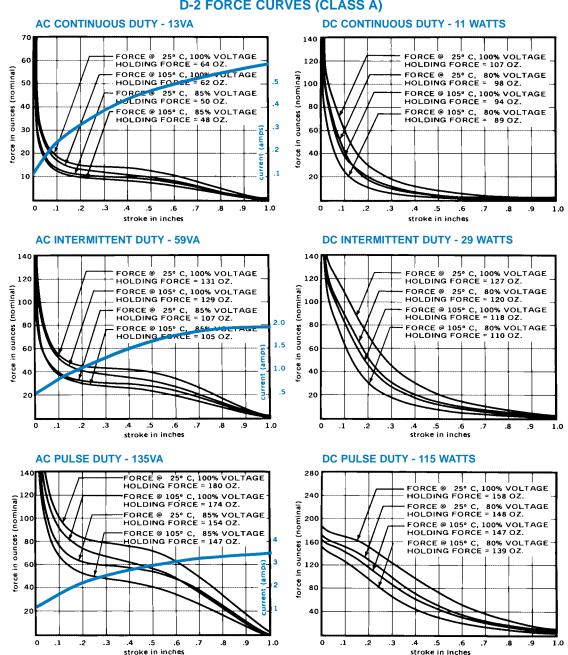
D-2 STANDARD COIL RATING

| VOLTAGE | CONTINUOUS DUTY | RESISTANCE AC ±10% DC ±5% | INTERMITTENT DUTY | RESISTANCE AC ±10% DC ±5% | PULSE DUTY | RESISTANCE AC ±10% DC ±5% |
|-----------------|--------------------|------------------------------|----------------------|------------------------------|---------------|------------------------------|
| AC COILS (60 Hz | z) P/N | | P/N | | P/N | |
| 6 VAC | 53729-80 | .40 OHMS | 53729-86 | _ | 53729-92 | _ |
| 12 VAC | 53729-81 | 1.58 OHMS | 53729-87 | .45 OHMS | 53729-93 | .303 OHMS |
| 24 VAC | 53729-82 | 6.4 OHMS | 53729-88 | 1.83 OHMS | 53729-94 | 1.22 OHMS |
| 120 VAC | 53729-84* | 164 OHMS | 53729-90* | 47.0 OHMS | 53729-96 | 31.7 OHMS |
| 240 VAC | 53729-85 | 673 OHMS | 53729-91 | 191 OHMS | 53729-97 | 128.2 OHMS |
| DC COILS | | | | | | |
| 6 VDC | 53728-80 | 3.34 OHMS | 53728-86 | 1.22 OHMS | 53728-92 | .303 OHMS |
| 12 VDC | 53728-81 | 13.6 OHMS | 53728-87 | 4.92 OHMS | 53728-93 | 1.22 OHMS |
| 24 VDC | 53728-82 | 54.7 OHMS | 53728-88 | 20.0 OHMS | 53728-94 | 4.92 OHMS |
| 110 VDC | 53728-84 | 1100 OHMS | 53728-90 | 432 OHMS | 53728-96 | 106 OHMS |

^{*}Black Items Are Normally Stocked.

Blue Items Are Non Stock - Minimum Quantity May Be Required.

D-2 FORCE CURVES (CLASS A)



Standard intermittent duty cycle at nominal voltage is 25%, with 3 minutes maximum "ON" and 9 minutes minimum "OFF" in a repetitive cycle. Standard Pulse duty cycle is 10% with 100 milliseconds "ON" and 900 milliseconds "OFF".

NOTE: Approx. 36 sq. in. Heat Sink Required.