
C3007 PWM Proportional Solenoid Driver Model Selection

C **3** **0** **0** **7** - **A** **A** **A** - **B** **B** **B** - **C** **C** **C** - **D** **E**

MODEL SERIES: _____ **SUFFIX IDENTIFIER:** _____

C3007 = Pulse width modulated proportional solenoid driver, single solenoid with acceleration and deceleration ramp control

AAA = INPUT POWER SUPPLY VOLTAGE:

100 = Plus 10 to 30 volts dc.

BBB = RATED INPUT VOLTAGE OR CURRENT SIGNAL:

030 = Plus 3 volts dc.

050 = Plus 5 volts dc

100 = Plus 10 volts dc.

CCC = RATED OUTPUT COIL CURRENT SIGNAL:

251 = Plus 250 ma.

501 = Plus 500 ma.

102 = Plus 1000 ma. (1 amp.)

202 = Plus 2000 ma. (2 amp.)

302 = Plus 3000 ma. (3 amp.)

402 = Plus 4000 ma. (4 amp.)

502 = Plus 5000 ma. (5 amp.)

D = RAMP TIMES AND PWM SWITCHING FREQUENCY:

0 = 1 to 10 seconds and 2200 Hz.

1 = 2 to 20 seconds and 2200 Hz.

2 = 1 to 10 seconds and 100 Hz.

3 = 2 to 20 seconds and 100 Hz.

4 = 1 to 10 seconds and 200 Hz.

5 = 2 to 20 seconds and 200 Hz.

6 = 1 to 10 seconds and 400 Hz.

7 = 2 to 20 seconds and 400 Hz.

8 = 1 to 10 seconds and 1000 Hz.

9 = 2 to 20 seconds and 1000 Hz.

X = Special ramp time and/or switching frequency, factory assigned number.

E FACTORY INSTALLED OPTION:

0 = Standard, no additional options.

X = Special features, factory assigned number.

NOTES:

- 1) The rated input signal (suffix BBB) defines the customer supplied voltage value to be applied to the "A" tab. All voltage input models will accept a plus 5 volt dc signal applied to the "W" tab.
- 3) The optimum pulse width modulated (PWM) switching frequency for a specific valve coil is generally specified by the valve manufacturer. In the event that this frequency value is not available, you can select the 2200 Hz. value (suffix D = 0). This frequency will drive all proportional solenoids, however the valve response may be less than the

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best available when operated at the manufacturers recommended value.

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