
D3055 PWM Proportional Solenoid Driver Model Selection

D **3** **0** **5** **5** - **A** **A** **A** - **B** **B** **B** - **C** **C** **C** - **D** **E**

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

D3055 = Pulse width modulated proportional solenoid driver, dual solenoid

AAA = INPUT POWER SUPPLY VOLTAGE:

100 = Plus 10 to 30 volts dc.

BBB = RATED INPUT VOLTAGE SIGNAL:

030 = Plus and minus 3 volts dc.

050 = Plus and minus 5 volts dc

100 = Plus and minus 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 = PULSE WIDTH MODULATED SWITCHING FREQUENCY:

0 = 2200 Hz.

1 = 100 Hz.

2 = 200 Hz.

3 = 400 Hz.

4 = 1000 Hz.

X = Special, 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 "W" tab. The input signal is bipolar. Positive voltage applied to the "W" tab will drive the "A" solenoid. The "B" solenoid will be off. Negative voltage applied to the "W" tab will drive the "B" solenoid. The "A" solenoid will be off. With zero voltage applied to the "W" tab, both the "A" and "B" solenoid currents will be zero.
- 2) 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 best available when operated at the manufacturers recommended value.

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