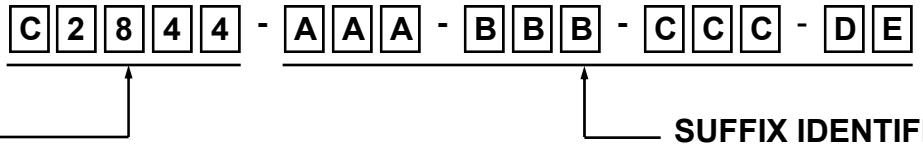
C2844 PID Controller with Feedforward Model Selection



C2844 = PID controller with feedforward compensation.

AAA = INPUT POWER SUPPLY VOLTAGE:

111 = 115 volts ac, 47 to 62 Hz.

231 = 230 volts ac, 47 to 62 Hz.

100 = Plus and minus 10 to 30 volts dc

150 = Plus and minus 15 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 VOLTAGE SIGNAL:

030 = Plus and minus 3 volts dc.

050 = Plus and minus 5 volts dc.

100 = Plus and minus 10 volts dc.

D = DIFFERENTIAL SECTION GAIN:

0 = Output is equal to I1 – I2 times 1.

1 = Output is equal to I1 – I2 times 5.

2 = Output is equal to I1 – I2 times 10.

E = FACTORY ASSIGNED OPTION IDENTIFIER:

0 = Standard, no options supplied.

X = Special features, factory assigned number.

NOTES:

1) For models with 10 volt dc output signal (suffix CCC = 100) the input power supply voltage must not be less than 15 volts dc (suffix AAA = 150).

2) The differential section accepts two inputs (I1 and I2). The output from this section is equal to the algebraic difference between the signals times the gain factor specified by suffix D. I1 is a non inverting input, I2 is inverting. For example, with I1 equal to plus 2 volts and I2 equal to plus 1 volt and a scale factor of 5 the output will be plus 5 volts. Additionally, with I1 equal to plus 2 volts and I2 equal to minus 1 volt and a scale factor of 1 the output will be plus 3 volts.

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