
B2705 Bipolar Limit Detector Model Selection

B **2** **7** **0** **5** - **A** **A** **A** - **B** **B** **B** - **C** **C** **C** - **D** **D**

MODEL SERIES: _____

_____ **SUFFIX IDENTIFIER:**

B2705 = Bipolar limit detector module, solid state limit switch for model series C2699 Geared potentiometer assembly.

AAA = INPUT POWER SUPPLY VOLTAGE:

150 = Plus and minus 15 to 30 volts dc.

24A = 24 volts ac, 47 to 62 Hz.

111 = 115 volts ac, 47 to 62 Hz.

BBB = RATED INPUT VOLTAGE SIGNAL:

050 = Plus and minus 5 volts dc.

100 = Plus and minus 10 volts dc.

CCC = RATED OUTPUT CURRENT:

501 = 500 ma.

DD = FACTORY ASSIGNED OPTION IDENTIFIER:

00 = Standard, no options supplied.

XX = Special features, factory assigned number.

NOTES:

- 1) The rated output current is specified with 24 volt dc resistive loads. The output device is an open collector transistor arranged to sink current, only. Unclamped inductive loads will require the rated output current to be reduced. Contact Datatran's Engineering Department for specific applications.
- 2) This bipolar limit detector is designed to fit inside the enclosure for the model series C2699 Geared potentiometer assembly. It will produce one output as the input drive shaft is rotated clockwise from the potentiometer center position to the clockwise limit setpoint. The other output is activated when the input drive shaft is rotated c'clockwise from the center position to the c'clockwise limit setpoint. Indicators are supplied for both outputs as well as the potentiometer center position.
- 3) This bipolar limit detector provides a regulated plus and minus 5 volt dc output to power the potentiometer. It may be removed from the mounting brackets and installed in model series Z1017 plastic track for use with any potentiometer rated from 1000 to 50000 ohms.
- 4) Models that operate from 115 volt ac power line (suffix AAA = 111) are transformer isolated.

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