3500 Annapolis Lane North, Minneapolis, MN 55447
Telephone: (763) 509-2084 Telefax: (763) 559-0108

# Unit Specification

## KE14001
## Feeder Control Board

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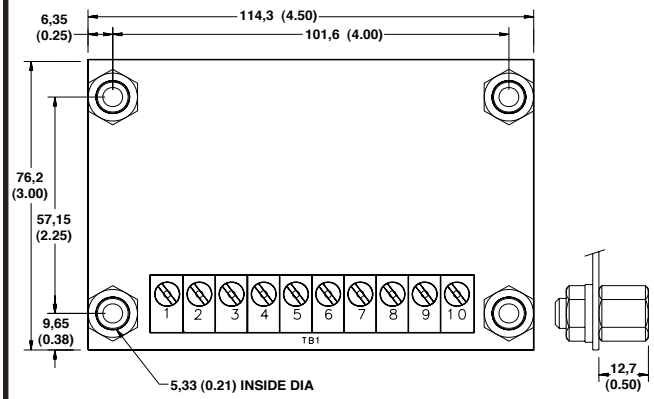
## GENERAL DESCRIPTION

The KE14001 Feeder Controller accepts the signal from an MCX130A1002 Ultrasonic Sensor or an ACX104C1167 Potentiometer Sensor and actuates an Electrical Displacement Control (EDC) on a hydrostatic pump for the auger on an asphalt paving machine. The KE14001 controls the height of the asphalt pile ahead of the screed. When used with an ultrasonic sensor and an external setpoint potentiometer, the distance between the sensor and the asphalt pile can be controlled from approximately 9" to 34".

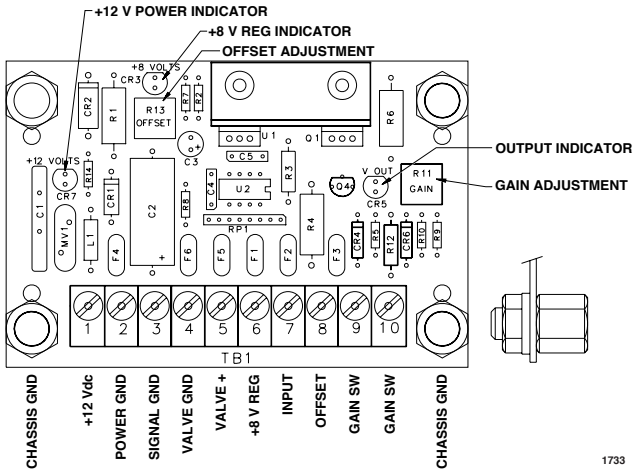
The controller is a 3" wide by 4!s" long PWB assembly. It has two trim potentiometers to adjust the offset and gain and three LEDs to indicate +12V power, +8V regulator and output current. The +8V regulator terminal can be used to power the ACX104C1167 Potentiometer Sensor and/or to power an external setpoint potentiometer (such as the K00573 1-kilohm potentiometer) when the MCX130A1002 Ultrasonic Sensor is used. An external switch can be connected to change the gain from high to low. It has a 10-position terminal strip for external connections.

## DIMENSIONS




**Dimensions of the KE14001 in millimeters (inches).**

## CONNECTION DIAGRAM




## TECHNICAL DATA

RATED VOLTAGE
12 Vdc

OUTPUT CURRENT
150 mA

## OUTPUT CHARACTERISTICS