

Allen-Bradley 1734-IE2V

The Allen-Bradley 1734-IE2V is a POINT I/O Analog Input Module. It has 2 single-ended, non-isolated, voltage Inputs and a Delta Sigma Conversion Type with a Power Dissipation of 0.75 Watts at 28.8 Volts DC. This Analog Input Module has an Open Enclosure Type Rating. Technical specifications for 1734-IE2V

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1734-IE2V

Series POINT I/O

Module Type Analog Input Module

Inputs 2 single-ended, non-isolated, voltage

Signal Type Voltage

Input Signal Range 0...10V user configurable (-0.0V under, +0.5V over) $\pm 10V$ user configurable (-0.5V under, +0.5V over)

Conversion Type Delta Sigma

Absolute Accuracy 0.1% Full Scale @ 25 ° C (77 ° F)

Data format Signed Integer

UPC 10612598205247

Key Switch Position 3

Enclosure Type Rating Open

Power Dissipation 0.75 Watts at 28.8 Volts DC

Thermal Dissipation 2.5 BTU/hour at 28.8 Volts DC

Description

The Allen-Bradley/Rockwell Automation 1734-IE2V module is an analog input module from Allen-Bradley's point I/O series of analog input modules. It comes with a key switch that can be set in 3 different positions. The 1734-IE2V input module has an enclosure that is Open-Type. This enclosure is not waterproof or rated for protecting the input module from large or heavy amounts of dust or pieces of debris.

The Allen-Bradley 1734-IE2V analog input module dissipates 0.75 Watts of power at 28.8 Volts DC and it dissipates 2.5 BTU/hour of heat at 28.8 Volts DC. This module uses the Delta Sigma conversion method, and it operates with a DC voltage range from 12 to 24 Volts DC. It also has 2 input channels. The 1734-IE2V analog input module has several status indicator lights on its front panel to help the users. There are indicators for the status of the module itself, the network it is connected to, and the status of the 2 inputs. If none of the status indicators are lit up, this means that the input module is powered off. A steady green indicator light means that the module is operating properly, a flashing green light means the module needs to be commissioned because the configuration process was incomplete, a flashing red light means that a recoverable fault has occurred, a steady red indicator light means that an irrecoverable fault has occurred, and alternating flashing red and green lights means that the 1734-IE2V analog input module is

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running a diagnostics test.

The 1734-IE2V is an Allen-Bradley POINT IO module that features Two (2) Voltage capable channels that accepts -10 to +10VDC voltage with resolution of Signed 15-Bit.

This module may operate in unipolar and bipolar mode with the external signal converted into 16-Bit signed integer which is -32,768 to +32,767. This input module generates a total of Six (6) Bytes of Data which are Channel 0 Data, Channel 1 Data, Channel 0 Status, and Channel 1 Status.

The 1734-IE2V analog input module is used in a wide variety of applications. The analog signal that is receives may represent a certain process variable such a Flow, Level, Pressure, Temperature, Turbidity, Conductivity, Vibration, Viscosity and may other variables. This analog module has an integral analog to digital converter wherein the external analog signal is converted into digital values in the form of 16-Bit integer.

The 1734-IE2V is a low cost, low density and practical solution for remote I/O areas where small to medium I/Os are present. This POINT IO module is compatible with any POINT IO adapter, DIN rail mountable with a compact form.

This input module also features Latching alarms with configurable levels such as Low, Low Low, High and High High. Alarms may also be disabled, and the module's input rate may also be adjusted to fit with the external characteristics of the process variable such as Slow, medium, fast, fluctuating and non-fluctuating or any combination of these characteristics.

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