

Allen-Bradley 1771-IFEK

The 1771-IFEK analog input module from Allen-Bradley/Rockwell Automation is a PLC 5 series analog input module. It can be used with indicators, solenoids, and with AC motor starters. The 1771-IFEK analog input module does not require an external power source in order to operate. This input module can be mounted on a rack and it is protected from moisture and corrosion by a conformal coating. The 1771-IFEK analog input module operates with DC Technical specifications for 1771-IFEK

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1771-IFEK

Module Type Analog Input

Number of Inputs & Outputs 8 Differential Selectable or 16 Single-Ended Selectable

Data Format Natural Binary or BDC Scaling to +/- 9999

Channel Update/Resolution 18 ms/8 channels; 36 ms/16 channels; 12 bits + sign

Voltage Range 0-5 V dc, 1-5 V dc, +/- 5 V dc, +/- 10 V dc

Current Range 4-20 mA, 0-20 mA, +/- 20 mA

Backplane Current 750 Miliamperes

External Power Required No

Wiring Arm 1771-WG

Coating Conformal Coat

Typical AC Signal Delay (Off) 24 (+/- 10) ms

Typical DC Signal Delay (Off) 20 (+/- 9) ms

Mounting Rack Mountable Description

The Allen-Bradley 1771-IFEK is a Conformal-Coated PLC 5 Analog Input Module. Conformal coatings are polymeric films which protect the module from humidity and contaminants. It uses block transfer programming to transfer input data words from its memory to the PLC processor's data table and transfer back configuration words. The 1771-IFEK requires a single-slot for installation in a 1771 I/O chassis and it does not need an external power supply. The 1771-IFEK module has up to 16 single-ended inputs or 8 differential inputs which it converts to a proportional 4-digit BCD or 12-bit binary value. It has five voltages and three current input ranges for the users to select. Voltage input ranges are 1 - 5V DC, 0 - 5V DC, -5-5V DC, -10-10V DC, and 0 - 10V DC. Current Input ranges are 4 - 20mA, 0 - 20Ma, and -20 - +20mA. It requires a backplane current load of 500mA at 5V and has a channel update time of 18ms per 8 channels and 36ms per 16 channels. Its wiring is connected to the 1771-WG field wiring arm, eliminating the need for disconnecting the wires when replacing the module. The 1771-IFEK has a maximum power dissipation of 2.5W and maximum thermal dissipation of 8.52 BTU/hr. Keying bands must be put between pins 10-12 and pins 24-26 to accept only this module. The 1771-IFEK module has selectable real-time sampling, data format, and scaling to engineering units features. It contains a green RUN and a red FAULT indicator on the front panel for power and fault status.

You can contact us through the following contact information

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The 1171-IFEK has optoelectrical isolation and digital filtering features to reduce the electrical noise.



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