

Allen-Bradley 1734-IB8 Manual

Brand	Allen-Bradley
Product Series	1746 1747
Product Type	Digital DC Sinking Input

Description

The Allen-Bradley 1734-IB8 is a POINT IO module that features Eight (8) Discrete sinking input channels. It has One (1) group of channels with Eight (8) inputs per channel. It accepts nominal signal voltage of 24VDC and compatible with any POINT IO communication adapter for implementing distributed I/O architecture. This module requires 1734-TB or 1734-TBS wiring base assembly. Technical specifications for 1734-IB8

Manufacturer Rockwell Automation

Power Dissipation 1.6 Watt/5.5 BTU/hour

POINTBus Current 75 mA

Input Voltage 24 Volts DC

Module Type Digital DC Sinking Input

Series POINT I/O

Part Number/Catalog No. 1734-IB8

Brand Allen-Bradley

No. of Inputs 8; Sinking input

Input Voltage range 10-28.8VDC

Input Current range 2-5mA

Input Current, nominal 4mA @24VDC

Input Filter Time 0.5 ms hardware plus 0...63 ms (user-selectable)

Dimensions 56 x 12 x 75.5 mm (2.2 x 0.47 x 2.97 in.)

Weight, approx. 31.8 g (1.12 oz)

Enclosure type rating None (open-style)

Keyswitch position 1

Module Location 1734-TB or 1734-TBS wiring base assembly

Module Status indicators 1 green/red, logic side

Input status indicators 8 yellow, logic side

Inputs 8

Input Current Maximum 5 milliamps

UPC 10612598308573 Description

The Allen-Bradley 1734-IB8 is an Eight (8) channel discrete input module that is part of the 1734 Point I/O product family. POINT I/O modules, including the 1734-IB8 are compact automation components that are installed with POINT I/O communication adapters for implementing distributed I/O architecture.

The 1734-IB8's input channels support sink wiring configuration and operate at 24VDC nominal voltage with ON-state voltage range of 10VDC-28.8VDC and On-state current range of 2mA-5mA. This input module has a fixed hardware input filter of 0.5 ms plus user configurable filter of 0ms - 63 ms. This module requires use of a terminal base such as 1734-TB or 1734-TBS wiring assembly. It is also provided with status LED indicators that provided feedback regarding the operational status of each of the module's channels. It is specifically installed with Eight (8) status LED indicators, One (1) for every input channel. Additionally, it has a One (1) network status indicator. When installing to the appropriate terminal base, the required key switch alignment is position 1.

The 1734-IB8 is installed with POINT I/O communication adapters. Series C 1734-IB8 module are also made compatible with

DeviceNet and ProfiBus communication adapters.

The 1734-IB8 has a current draw of 75 mA @ 5V DC with Power Dissipation of 1.6 Watts and Thermal dissipation of 5.5 BTU/hr with isolation voltage of 50V (continuous), Reinforced Insulation Type Tested @ 2500V DC for 60 s, field-side to system.

The Allen-Bradley 1734-IB8 point I/O input module comes with a locking mechanism and a side-in writable label. It also has removable terminal blocks, an undertaken I/O module, and a mounting base. The Allen-Bradley 1734-IB8 point I/O module can be installed on a mounting base that is installed on a DIN rail. This specific model has 8 inputs and it comes with 4 status indicators. It has a module status indicator, a network status indicator, and a 24 Volts DC sink input.

The 1734-IB8 requires 0.8 N-m or 7 pounds per inch of terminal base screw torque and a maximum POINT Bus current of 75 mA at 5 Volts DC. The isolation voltage for this module is 50 Volts DC. This voltage has been tested at a maximum voltage of 2500 Volts DC for 60 seconds. The Allen-Bradley 1734-IB8 point I/O input module has an approximate weight of 32.3 grams and a height of 56 millimeters, a width of 12 millimeters, and a length of 75.5 millimeters. The maximum surrounding air temperature for the Allen-Bradley 1734-IB8 point I/O input module is 55 degrees Celsius and it can operate within a temperature range of -21 to 55 degrees Celsius. Like any electronic device, it is recommended to have it installed in a clean and dry location without the presence of any substances that might cause corrosion in the most important parts of the drive. In order to protect and preserve the life of the drive, it must be installed by an expert who knows the exact functioning of all the involved parts and equipment. The 1734-IB8 has an open-style enclosure type rating and it can be mounted horizontally or vertically.

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