Allen-Bradley 1734-IV2 POINT I-O Source Input Modules Instruction Manual

Contents

Allen-Bradley by ROCKWELL AUTOMATION

Allen-Bradley 1734-IV2 POINT I-O Source Input Modules

Product Information

The POINT I/O Source Input Modules are a series of modules designed for input signal acquisition in industrial automation systems. They are available in various catalog numbers, including 1734-IV2, 1734-IV4, 1734-IV8, and 1734-IV8K (conformal coated version). The series is currently in its C version.

Summary of Changes:

- Updated IEC Hazardous Location Approval
- Updated UK and European Hazardous Location Approval
- Updated Special Conditions for Safe Use
- Updated General Specifications
- Updated Environmental Specifications
- Updated Certifications

This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes.

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Environment and Enclosure

The equipment has North American Hazardous Location Approval and IEC Hazardous Location Approval. When operating in a hazardous location, the equipment must be mounted in a suitable enclosure with proper wiring methods that comply with the governing electrical codes. The equipment also has UK and European Hazardous Location Approval. Special conditions for safe use and precautions against electrostatic discharge are provided.
ATTENTION: This equipment is intended for use in a Pollution Degree 2 industrial environment, in overvoltage Category II applications (as defined in EN/IEC 60664-1), at altitudes up to 2000 m (6562 ft) without derating.
This equipment is not intended for use in residential environments and may not provide adequate protection to radio communication services in such environments. This equipment is supplied as open-type equipment for indoor use. It must be mounted within an enclosure that is suitably designed for those specific environmental conditions that will be present and appropriately designed to prevent personal injury resulting from accessibility to live parts. The enclosure must have suitable flame-retardant properties to prevent or minimize the spread of flame, complying with a flame spread rating of 5VA or be approved for the application if nonmetallic. The interior of the enclosure must be accessible only by the use of a tool. Subsequent sections of this publication may contain more information regarding specific enclosure type ratings that are required to comply with certain product safety certifications. In addition to this publication, see the following:

- Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1, for additional installation requirements.
- NEMA Standard 250 and EN/IEC 60529, as applicable, for explanations of the degrees of protection provided by enclosures.

ATTENTION: Read this document and the documents listed in the Additional Resources section about installation, configuration, and operation of this equipment before you install, configure, operate, or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards.
Installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice. In case of malfunction or damage, no attempts at repair should be made. The module should be returned to the manufacturer for repair. Do not dismantle the module.

North American Hazardous Location Approval

The Following Information Applies When Operating This Equipment In Hazardous Locations. Products marked “CL I, DIV 2, GP A, B, C, D” are suitable for use in Class I Division 2 Groups A, B, C, D, Hazardous Locations and nonhazardous locations only. Each product is supplied with markings on the rating nameplate indicating the hazardous location temperature code. When combining products within a system, the most adverse temperature code (lowest “T” number) may be used to help determine the overall temperature code of the system. Combinations of equipment in your system are subject to investigation by the local Authority Having Jurisdiction at the time of installation.

WARNING:
Explosion Hazard

- Do not disconnect equipment unless power has been removed or the area is known to be nonhazardous.
- Do not disconnect connections to this equipment unless power has been removed or the area is known to be nonhazardous. Secure any external connections that mate to this equipment by using screws, sliding latches, threaded connectors, or other means provided with this product.
- Substitution of components may impair suitability for Class I, Division 2.

WARNING: When used in a Class I, Division 2, hazardous location, this equipment must be mounted in a suitable enclosure with proper wiring method that complies with the governing electrical codes.

IEC Hazardous Location Approval
The following applies to products marked with IECEx certification:

- Are intended for use in areas in which explosive atmospheres caused by gases, vapors, mists, or air are unlikely to occur, or are likely to occur only infrequently and for short periods. Such locations correspond to Zone 2 classification to IEC 60079-0.
- The type of protection is Ex eC IIC T4 Gc according to IEC 60079-0 and IEC 60079-7.
- Comply to Standards IEC 60079-0, Explosive atmospheres - Part 0: Equipment - General requirements, Edition 7, Revision Date 2017 and IEC 60079-7, 5.1 Edition revision date 2017, Explosive atmospheres – Part 7: Equipment protection by increased safety “e”, reference IECEx certificate number IECEx UL 20.0072X.
- May have catalog numbers followed by a “K” to indicate a conformal coating option.

UK and European Hazardous Location Approval

The following applies to products marked II 3 G:

- Are intended for use in potentially explosive atmospheres as defined by UKEX regulation 2016 No. 1107 and European Union Directive 2014/34/EU and has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of Category 3 equipment intended for use in Zone 2 potentially explosive atmospheres, given in Schedule 1 of UKEX and Annex II of this Directive.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-7, and EN IEC 60079-0.
- Are Equipment Group II, Equipment Category 3, and comply with the Essential Health and Safety Requirements relating to the design and construction of such equipment given in Schedule 1 of UKEX and Annex II of EU Directive 2014/34/EU. See the UKEx and EU Declaration of Conformity at rok.auto/certifications for details.
- The type of protection is Ex ec IIC T4 Gc according to EN IEC 60079-0:2018, EXPLOSIVE ATMOSPHERES – PART 0: EQUIPMENT – GENERAL REQUIREMENTS, Issue Date 07/2018, and CENELEC EN IEC 60079-7:2015+A1:2018, Explosive atmospheres. Equipment protection by increased safety “e”.
- Comply to Standard EN IEC 60079-0:2018, EXPLOSIVE ATMOSPHERES – PART 0: EQUIPMENT – GENERAL REQUIREMENTS, Issue Date 07/2018, and CENELEC EN IEC 60079-7:2015+A1:2018 Explosive atmospheres. Equipment protection by increased safety “e”, reference certificate number DEMKO 04 ATEX 0330347X and UL22UKEX2478X.

- Are intended for use in areas in which explosive atmospheres caused by gases, vapors, mists, or air are unlikely to occur, or are likely to occur only infrequently and for short periods. Such locations correspond to Zone 2 classification according to UKEX regulation 2016 No. 1107 and ATEX directive 2014/34/EU.
- May have catalog numbers followed by a “K” to indicate a conformal coating option.

WARNING:

- This equipment is not resistant to sunlight or other sources of UV radiation.
- This equipment shall be mounted in an UKEX/ATEX/IECEx Zone 2 certified enclosure with a minimum ingress protection rating of at least IP54 (in accordance with EN/IEC 60079-0) and used in an environment of not more than Pollution Degree 2 (as defined in EN/IEC 60664-1) when applied in Zone 2 environments. The enclosure must be accessible only by the use of a tool.
- This equipment shall be used within its specified ratings defined by Rockwell Automation.
- Provision shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 140% of the peak rated voltage when applied in Zone 2 environments.
- The instructions in the user manual shall be observed.
- This equipment must be used only with UKEX/ATEX/IECEx certified Rockwell Automation backplanes.
- Earthing is accomplished through mounting of modules on rail.
- Devices shall be used in an environment of not more than Pollution Degree 2.

Special Conditions for Safe Use

- ATTENTION:
- This product is grounded through the DIN rail to chassis ground. Use zinc plated chromate-passivated steel DIN rail to assure proper grounding. The use of other DIN rail materials (for example, aluminum or plastic) that can corrode, oxidize, or are poor conductors, can result in improper or intermittent grounding. Secure DIN rail to mounting surface approximately every 200 mm (7.8 in.) and use end-anchors appropriately. Be sure to ground the DIN rail properly. See Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1, for more information.
- Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage at the supply terminals to the equipment.
- Do not remove or replace an adapter while power is applied. Interruption of the backplane can result in unintentional operation or machine motion.
- Do not discard the end cap. Use this end cap to cover the exposed interconnections on the last mounting base on the DIN rail. Failure to do so could result in equipment damage or injury from electric shock.
- If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Prevent Electrostatic Discharge

- ATTENTION: This equipment is sensitive to electrostatic discharge, which can cause internal damage and affect normal operation. Follow these guidelines when you handle this equipment:
- Touch a grounded object to discharge potential static.
- Wear an approved grounding wrist strap.

- Do not touch connectors or pins on component boards.
- Do not touch circuit components inside the equipment.
- Use a static-safe workstation, if available.
- Store the equipment in appropriate static-safe packaging when not in use.

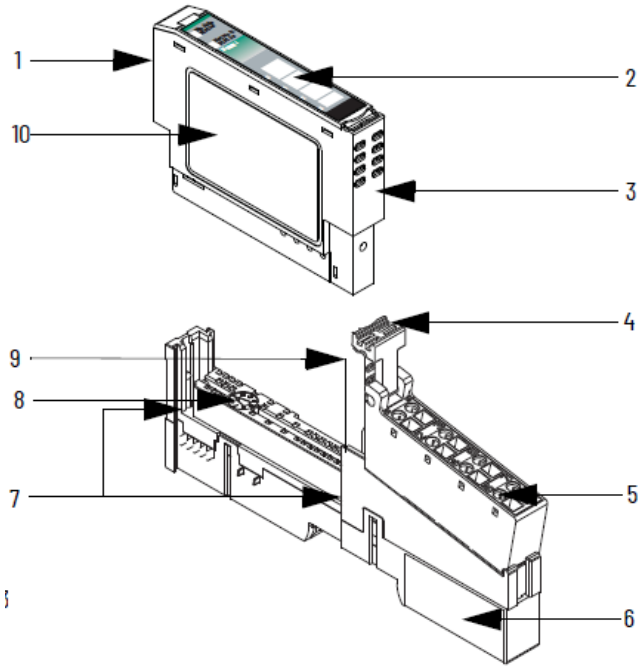
Electrical Safety Considerations

- ATTENTION:
- This equipment is certified for use only within the surrounding air temperature range of -20…+55 °C (-4…+131 °F). The equipment must not be used outside of this range.
- Use only a soft dry anti-static cloth to wipe down equipment. Do not use any cleaning agents.

Before You Begin

You can use these Series C POINT I/O™ Input modules with Device Net® and PROFIBUS adapters. If you are using Studio 5000 Logix Designer® application version 20 or higher, you can also use the modules with ControlNet® and EtherNet/IP™ adapters. See Figure 1 to identify the external features of the module.

POINT I/O Input Module with 1734-TB or 1734-TBS Base



The wiring base assembly includes terminal base, 1734-TB, or 1734-TBS, which consists of a mounting base, 1734-MB, and removable terminal block, 1734-RTB, or 1734-RTBS.

	Description		Description
1	Module locking mechanism	6	1734-TB or 1734-TBS mounting base
2	Slide-in writable label	7	Interlocking side pieces
3	Insertable I/O module	8	Mechanical keying (orange)
4	Removable terminal block (RTB) handle	9	DIN rail locking screw (orange)
5	Removable terminal block with screw (1734-RTB) or spring clamp (1734-RTBS)	10	Module wiring diagram

The installation process involves several steps:

1. Install the Mounting Base
2. Install the Module
3. Install the Removable Terminal Block
4. Remove a Mounting Base
5. Wire the Module
6. Communicate with the Module
7. Interpret Status Indicators

Specifications

The product specifications include details about the equipment’s features, capabilities, and performance. Refer to the user manual for more information.

POINT I/O Source Input Modules – 1734-IV2, 1734-IV4, 1734-IV8, 1734-IV8K

Attribute	1734-IV2	1734-IV4	1734-IV8, 1734-IV8K
Number of inputs, sourcing	2 (1 group of 2)	4 (1 group of 4)	8 (1 group of 8)
Voltage, on-state Min Nom Max	10V DC 24V DC 28.8V DC		
Current, on-state Min Nom Max	2 mA 4 mA @ 24V DC 5 mA		
Voltage, off-state, max	5V DC		
Current, off-state, min	1.5 mA		
Impedance, input, Nom Max	3.6 kΩ 4.7 kΩ		
Input filter time(1) Off to On On to Off	0.5 hardware plus 0…63 ms (user selectable) 0.5 hardware plus 0…63 ms (user selectable)		
Field wiring terminations	0 – Input 0 1– Input 1 2 – No connection 3 – No connection 4 – Common 5 – Common 6 – User supply 7 – User supply	0 – Input 0 1– Input 1 2 – Input 2 3 – Input 3 4 – Common 5 – Common 6 – User supply 7 – User supply	0 – Input 0 1– Input 1 2 – Input 2 3 – Input 3 4 – Input 4 5 – Input 5 6 – Input 6 7 – Input 7

1. Input Off-to-On filter time is the time from a valid input signal to recognition by the module. Input On-to-Off time is the time from a valid input signal to recognition by the module.

General Specifications

Attribute	1734-IV2	1734-IV4	1734-IV8, 1734-IV8K
Terminal base screw torque	0.8 N•m (7 lb•in)		
Indicators	1 green/red – module status indicator, logic side 1 green/red – network status indicator, logic side		
	2 yellow – input status indicators, logic side	4 yellow – input status indicators, logic side	8 yellow – input status indicators, logic side
Module location	1734-TB or 1734-TBS wiring base assembly		

POINT Bus™ current, max	75 mA @ 5V DC		
Power dissipation, max	0.7 W @ 28.8V DC	1.0 W @ 28.8V DC	1.6 W @ 28.8V DC
Thermal dissipation, max	2.4 BTU/h @ 28.8V DC	3.4 BTU/h @ 28.8V DC	5.5 BTU/h @ 28.8V DC
Isolation voltage	50V continuous Tested to withstand 2500V DC for 60 s		
Field power bus Supply voltage, nom Voltage range	24V DC 10 28.8V DC		
Dimensions, approx (H x W x D)	56 x 12 x 75.5 mm (2.21 x 0.47 x 2.97 in.)		
Wiring category(1)	2 – on signal ports		
Wire size	0.25…2.5 mm^2 (22…14 AWG) solid or stranded shielded copper wire rated at 75 °C (167 °F) or greater 1.2 mm (3/64 in.) insulation max		
Weight, approx.	31.2 g (1.10 oz)	31.8 g (1.12 oz)	32.3 g (1.14 oz)
Enclosure type rating	None (open-style)		
North American temp code	T4A		
IECEx temp code	T4		–
UKEX/ATEX temp code	T4		–
Key switch position	1		

1. Use this Conductor Category information for planning conductor routing as described in the appropriate System Level Installation Manual. Also see Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1, for more information.

Environmental Specifications

Attribute	Value
Temperature, operating	IEC 60068-2-1 (Test Ad, operating cold), IEC 60068-2-2 (Test Bd, operating dry heat), IEC 60068-2-14 (Test Nb, operating thermal shock): -20 °C ≤ Ta ≤ +55 °C (-4 °F ≤ Ta ≤ + 131 °F)
Temperature, storage	IEC 60068-2-1 (Test Ab, unpackaged nonoperating cold), IEC 60068-2-2 (Test Bb, unpackaged nonoperating dry heat), IEC 60068-2-14 (Test Na, unpackaged nonoperating thermal shock): -40…+85 °C (-40…+185 °F)
Temperature, surrounding air, max	55 °C (131 °F)
Relative humidity	IEC 60068-2-30 (Test Db, unpackaged damp heat): 5…95% noncondensi ng
Vibration	IEC60068-2-6 (Test Fc, operating): 5 g @ 10…500 Hz
Shock, operating	IEC 60068-2-27 (Test Ea, unpackaged shock): 30 g
Shock, nonoperating	50 g
Emissions	IEC 61000-6-4
ESD immunity	IEC6100-4-2: 6 kV contact discharges 8 kV air discharges
Radiated RF immunity	IEC 61000-4-3: 10V/m with 1 kHz sine-wave 80% AM from 80…6000 MHz
EFT/B immunity	IEC 61000-4-4: ±2 kV at 5 kHz on power ports ±2 kV at 5 kHz on signal ports
Surge transient immunity	IEC 61000-4-5: ±1 kV line-line(DM) and ±2 kV line-earth (CM) on signal p orts
Conducted RF immunity	IEC61000-4-6: 10V rms with 1 kHz sine-wave 80% AM from 150 kHz…80 MHz

Installation Instructions:
Before installing, configuring, or performing maintenance on the product, read the user manual and other listed documents regarding installation, configuration, and operation. Users must also comply with applicable laws, codes, and standards. Ensure that the equipment is used as specified by the manufacturer to ensure proper functioning and protection. For specific installation instructions, refer to Figure 1 in the user manual. The wiring base assembly consists of a terminal base (1734-TB or 1734-TBS), a mounting base (1734-MB), and a removable terminal block (1734-RTB or 1734-RTBS). Refer to the user manual for detailed descriptions of the module components and their functions.

POINT I/O Source Input Modules

Catalog Numbers 1734-IV2, 1734-IV4, 1734-IV8, 1734-IV8K, Series C Catalog numbers with the suffix ‘K’ are conformal coated and their specifications are the same as non-conformal coated catalogs.

ATTENTION: Read this document and the documents listed in the Additional Resources section about installation, configuration and operation of this equipment before you install, configure, operate or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards.
Activities including installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice. If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Install the Mounting Base
To install the mounting base on the DIN rail, proceed as follows:

1. Position the mounting base vertically above the installed units (adapter, power supply, or existing module).
2. Slide the mounting base down allowing the interlocking side pieces to engage the adjacent module or adapter.
3. Press firmly to seat the mounting base on the DIN rail. The mounting base snaps into place. Be sure that the orange DIN rail locking screw is in the horizontal position and that it has engaged the DIN rail.

Install the Module

The module can be installed before or after base installation. Make sure that the mounting base is correctly keyed before installing the module into the mounting base. In addition, make sure that the mounting base locking screw is positioned horizontal referenced to the base.
ATTENTION: When you insert or remove the module while backplane power is on, an electrical arc can occur. This could cause an explosion in hazardous location installations.
Be sure that power is removed or the area is non-hazardous before proceeding. Repeated electrical arcing causes excessive wear to contacts on both the module and its mating connector. Worn contacts may create electrical resistance that can affect module operation.

1. Using a bladed screwdriver, rotate the key switch on the mounting base clockwise until the number required for the type of module being installed aligns with the notch in the base.
2. Verify that the DIN rail locking screw is in the horizontal position. You cannot insert the module if the locking mechanism is unlocked.
3. Insert the module straight down into the mounting base.

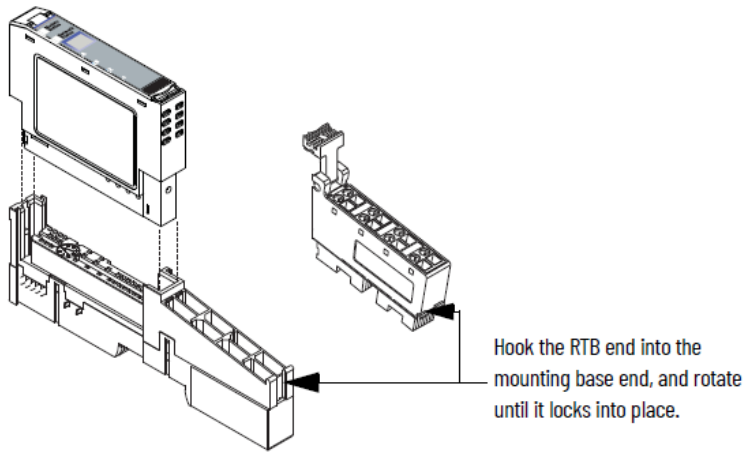
4. Press to secure. The module locks into place.

ATTENTION: Do not discard the end cap. Use this end cap to cover the exposed interconnections on the last mounting base on the DIN rail. Failure to do so could result in equipment damage or injury from electric shock.

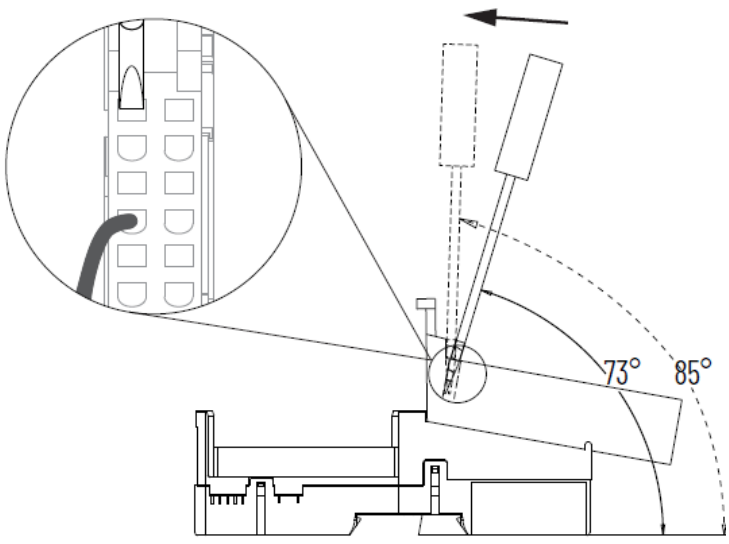
Install the Removable Terminal Block

A Removable Terminal Block (RTB) is supplied with your wiring base assembly. To remove, pull up on the RTB handle. This allows the mounting base to be removed and replaced as necessary without removing any of the wirings. To reinsert the Removable Terminal Block, proceed as follows.
WARNING: When you connect or disconnect the Removable Terminal Block (RTB) with field-side power applied, an electrical arc can occur. This can cause an explosion in hazardous location installations.
Be sure that power is removed or the area is nonhazardous before proceeding.

1. Insert the end opposite the handle into the base unit. This end has a curved section that engages with the wiring base.
2. Rotate the terminal block into the wiring base until it locks itself in place.
3. If an I/O module is installed, snap the RTB handle into place on the module.

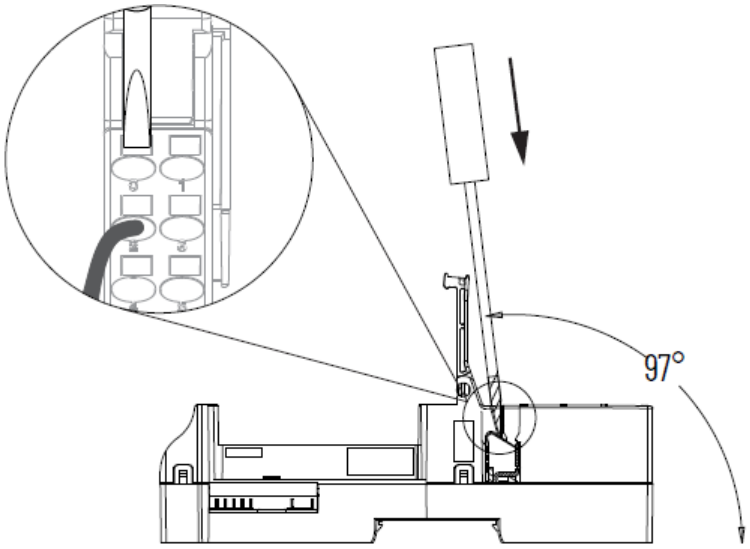


WARNING: For 1734-RTBS and 1734-RTB3S, to latch and unlatch the wire, insert a bladed screwdriver (catalog number 1492-N90 – 3 mm diameter blade) into the opening at approximately 73° (blade surface is parallel with top surface of the opening) and push up gently.



WARNING: For 1734-TOPS and 1734-TOP3S, to latch and unlatch the wire, insert a bladed screwdriver (catalog

number 1492-N90 – 3 mm diameter) into the opening at approximately 97° (blade surface is parallel with top surface of the opening) and press in (do not push up or down).



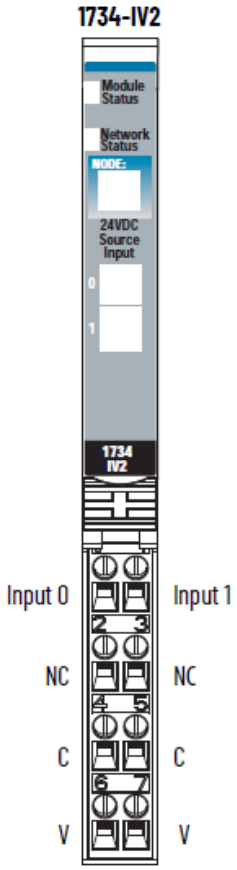
Remove a Mounting Base

To remove a mounting base, you must remove any installed module and the module that is installed in the base to the right. Remove the removable terminal block, if wired.

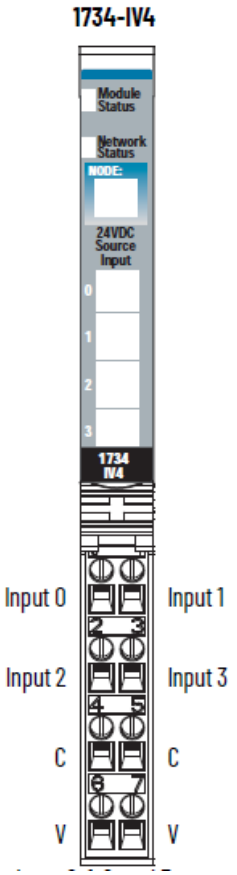
1. Unlatch the RTB handle on the I/O module.
2. Pull on the RTB handle to remove the removable terminal block.
3. Press the module lock on the top of the module.
4. Pull on the I/O module to remove from the base.
5. Repeat steps 1, 2, 3 and 4 for the module to the right.
6. Use a small bladed screwdriver to rotate the orange base locking screw to a vertical position. This releases the locking mechanism.
7. Lift straight up to remove.

Wire the Module

To wire the module, see the diagrams and tables.

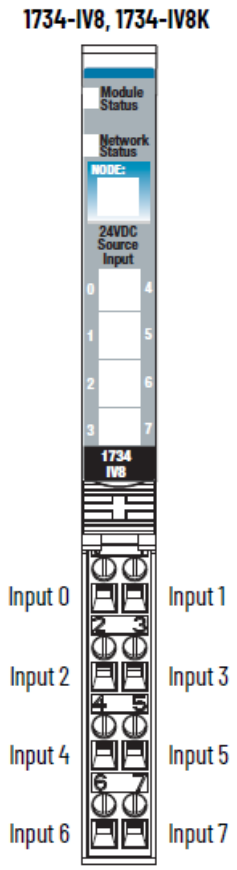


Input = 0 and 1
NC = No connection (2 and 3)
C = Common (4 and 5)
V = Supply (6 and7)



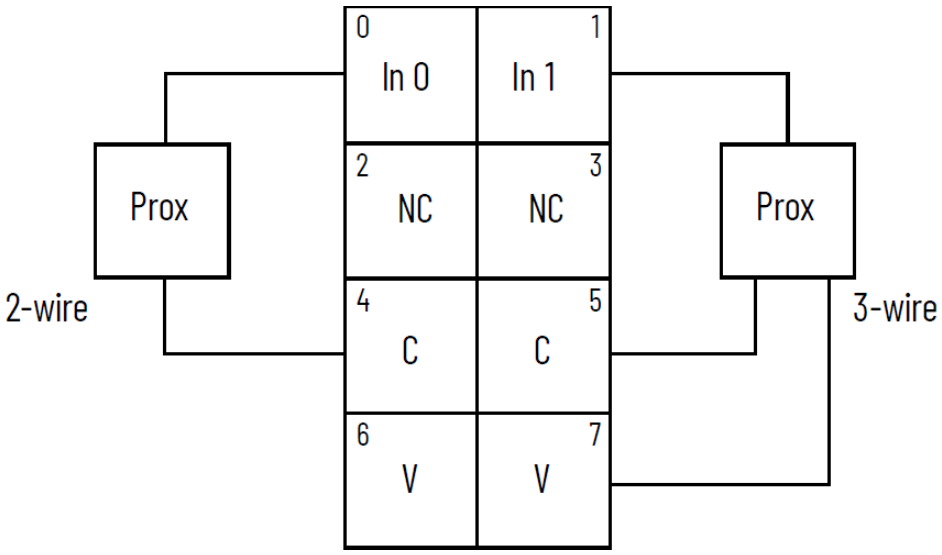
Input 0, 1, 2, and 3
C = Common (4 and 5)

V = Supply (6 and7)



Input 0, 1, 2, 3, 4, 5, 6, and 7
Note: V and C are daisy chained from either the adapter, 1734-FPD, 1734-EP24DC, or from a user supplied auxiliary terminal block.
WARNING: If you connect or disconnect wiring while the field-side power is on, an electrical arc can occur. This could cause an explosion in hazardous location installations. Be sure that power is removed or the area is nonhazardous before proceeding.

POINT I/O Source Input Module Wiring – 1734-IV2

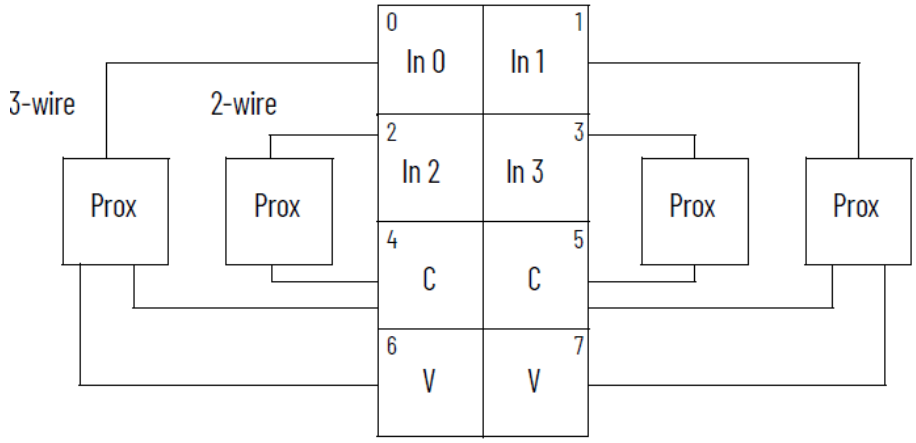


C = Common
V = 12/24V DC supply
Note: Not protected, 0.3A max

Channel	Input Terminal	Common Terminal	Power
0	0	4	6
1	1	5	7

Connect power on 3-wire proximity switches.
12/24V DC is provided by the internal field power bus.

POINT I/O Source Input Module Wiring – 1734-IV4

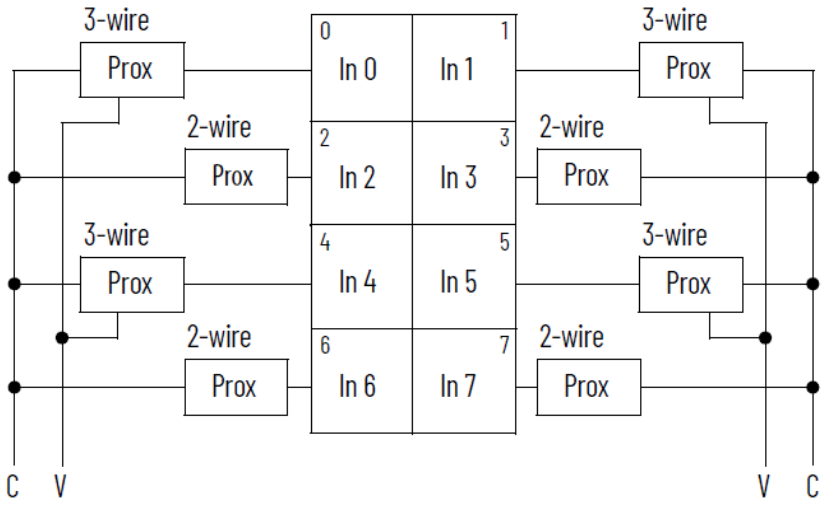


C = Common
V = 12/24V DC supply
Note: Not protected, 0.3A max

Channel	Input Terminal	Common Terminal	Power
0	0	4	6
1	1	5	7
2	2	4	6
3	3	5	7

Connect power on 3-wire proximity switches.
12/24V DC is provided by the internal field power bus.

POINT I/O Source Input Module Wiring – 1734-IV8, 1734-IV8K

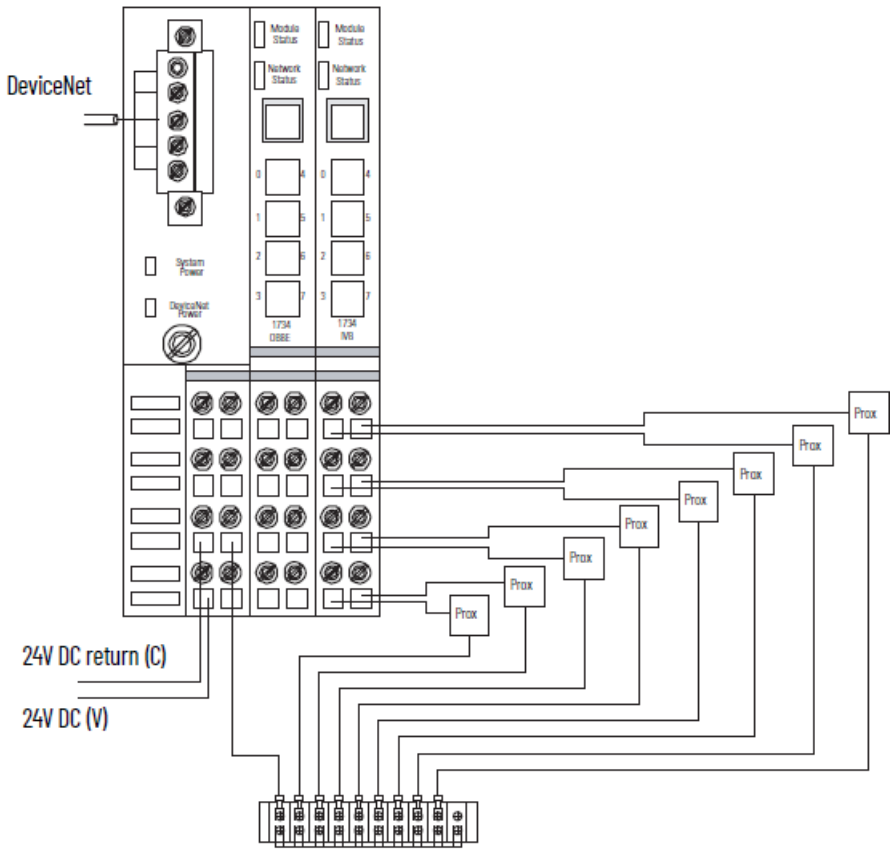


C = Common
V = 12/24V DC supply

Channel	Input Terminal	Channel	Input Terminal
0	0	4	4
1	1	5	5
2	2	6	6
3	3	7	7

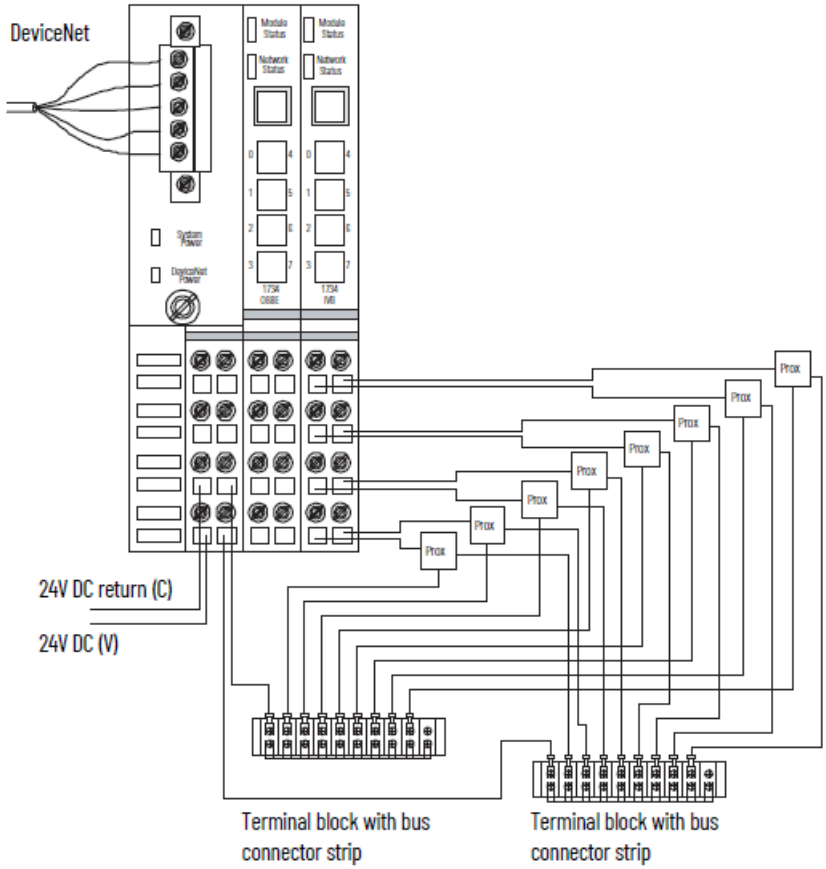
Daisy chain common and power connections from 1734 adapter, 1734-FPD, 1734-EP24DC, or from user supplied external auxiliary terminal block.

Wiring Example of 1734-IV8, 1734-IV8K Using 2-Wire Proximity Switches



Terminal block with bus connector strip

Wiring Example of 1734-IV8, 1734-IV8K Using 3-Wire Proximity Switches



Communicate with the Module

POINT I/O modules send (produce) and receive (consume) I/O data (messages). You map this data into the memory of the processor.
The 1734-IV2, 1734-IB4, and 1734-IV8 modules produce 1 byte of input data (scanner Rx). The modules do not consume I/O data (scanner Tx).
Message Size: 1 Byte

	7	6	5	4	3	2	1	0
Produces (Rx)							I1	I0
Consumes (Tx)	No consumed data							

Message Size: 1 Byte

	7	6	5	4	3	2	1	0
Produces (Rx)					I3	I2	I1	I0
Consumes (Tx)	No consumed data							
Where:	I0 = Channel 0, I1 = Channel 1, I2 = Channel 2, I3 = Channel 3							

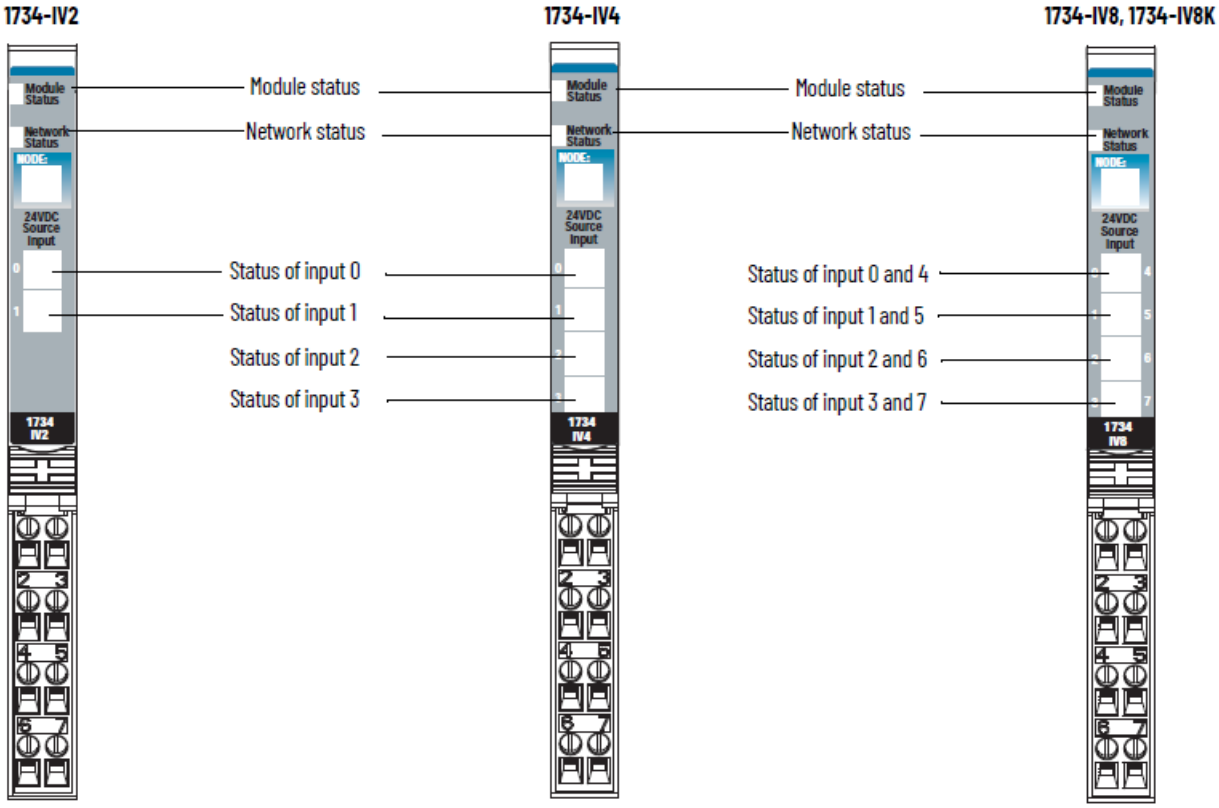
Message Size: 1 Byte

	7	6	5	4	3	2	1	0
Produces (Rx)	I7	I6	I5	I4	I3	I2	I1	I0
Consumes (Tx)	No consumed data							
Where:	I0 = Channel 0, I1 = Channel 1, I2 = Channel 2, I3 = Channel 3, I4 = Channel 4, I5 = Channel 5, I6 = Channel 6, I7 = Channel 7							

Interpret Status Indicators

See Figure 7 and Table 1 for information on how to interpret the status indicators.

Status Indicators for POINT I/O 2 Current Output and 2 Voltage Output Analog Modules



Indicator Status for Modules

	Status	Description
Module status	Off	No power applied to device.
	Green	Device operating normally.
	Flashing green	Device needs commissioning due to missing, incomplete, or incorrect configuration.
	Flashing red	Recoverable fault.
	Red	Unrecoverable fault – may require device replacement.
	Flashing red/green	Device is in self-test mode.
Network status	Off	Device is not online: • Device has not completed dup_MAC-id test. • Device not powered – check module status indicator.
	Flashing green	Device is online but has no connections in the established state.
	Green	Device is online and has connections in the established state.
	Flashing red	One or more I/O connections are in timed-out state.
	Red	Critical link failure – failed communication device. Device detected err or that prevents it from communicating on the network.
	Flashing red/green	Communication faulted device – the device has detected a network ac cess error and is in communication faulted state. Device has received and accepted an Identity Communication Faulted Request – long prot ocol message.
Channel status	Off	Input is in the Off state.
	Yellow	Input is in the On state.

Certifications

Certification (When Product Is Marked)[1]	Value
c-UL-us	UL Listed Industrial Control Equipment, certified for US and Canada. See UL File E65584. UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada. See UL File E194810.
UK and CE	UK Statutory Instrument 2016 No. 1091 and European Union 2014/30/EU EMC Directive, compliant with: EN 61326-1; Measurement/Control/Laboratory use, Industrial requirements EN 61000-6-2; Industrial Immunity EN 61000-6-4; Industrial Emissions EN 61131-2; Programmable Controllers (Clause 8, Zone A & B) UK Statutory Instrument 2012 No. 3032 and European Union 2011/65/EU RoHS, compliant with: EN IEC 63000; Technical documentation
Ex	**For 1734-IV2 and 1734-IV4 only** UK Statutory Instrument 2016 No. 1107 and European Union 2014/34/EU ATEX Directive, compliant with: EN IEC 60079-0; General Requirements EN IEC 60079-7; Explosive Atmospheres, Protection “e” II 3 G Ex ec IIC T4 Gc DEMKO 04 ATEX 0330347X UL22UKEX2478X
IECEx	**For 1734-IV2 and 1734-IV4 only** IECEx System, compliant with: IEC 60079-0; General Requirements IEC 60079-7; Explosive Atmospheres, Protection “e” II 3 G Ex ec IIC T4 Gc IECEx UL 20.0072X
KC	Korean Registration of Broadcasting and Communications Equipment, compliant with: Article 58-2 of Radio Waves Act, Clause 3
RCM	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions.
Morocco	Arrêté ministériel n° 6404-15 du 29 ramadan 1436
CCC	**For 1734-IV2 and 1734-IV4 only** CNCA-C23-01 Ч ❡■ CNCA-C23-01 CCC Implementation Rule Explosion-Proof Electrical Products CCC: 2020122309111607
EAC	Russian Customs Union TR CU 020/2011 EMC Technical Regulation

1. See the Product Certification link at **rok.auto/certifications** for Declaration of Conformity, Certificates, and other certification details.

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Technical Documentation Center	Quickly access and download technical specifications, installation instructions, and user manuals.	rok.auto/techdocs
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	rok.auto/literature
Product Compatibility and Download Center (PCDC)	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	rok.auto/pcdc

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Waste Electrical and Electronic Equipment (WEEE)

- At the end of life, this equipment should be collected separately from any unsorted municipal waste.

Rockwell Automation maintains current product environmental compliance information on its website at rok.auto/pec.

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Documents / Resources

	Allen-Bradley 1734-IV2 POINT I-O Source Input Modules [pdf] Instruction Manual 1734-IV2, 1734-IV4, 1734-IV8, 1734-IV8K, 1734-IV2 POINT I-O Source Input Modules, 1734-IV2, POINT I-O Source Input Modules, I-O Source Input Modules, Source Input Modules, Input Modules, Modules

References

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