



Installation Instructions

POINT I/O DeviceNet Adapter

Catalog Numbers 1734-ADN, 1734-ADNX

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Important User Information

Solid state equipment has operational characteristics differing from those of electromechanical equipment. *Safety Guidelines for the Application, Installation and Maintenance of Solid State Controls* (Publication SGI-1.1 available from your local Rockwell Automation sales office or online at <http://literature.rockwellautomation.com>) describes some important differences between solid state equipment and hard-wired electromechanical devices. Because of this difference, and also because of the wide variety of uses for solid state equipment, all persons responsible for applying this equipment must satisfy themselves that each intended application of this equipment is acceptable.





In no event will Rockwell Automation, Inc. be responsible or liable for indirect or consequential damages resulting from the use or application of this equipment.

The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

No patent liability is assumed by Rockwell Automation, Inc. with respect to use of information, circuits, equipment, or software described in this manual.

Reproduction of the contents of this manual, in whole or in part, without written permission of Rockwell Automation, Inc., is prohibited.

Throughout this manual, when necessary, we use notes to make you aware of safety considerations.

 WARNING	Identifies information about practices or circumstances that can cause an explosion in a hazardous environment, which may lead to personal injury or death, property damage, or economic loss.
IMPORTANT	Identifies information that is critical for successful application and understanding of the product.
 ATTENTION	Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss. Attentions help you: <ul style="list-style-type: none">• identify a hazard• avoid a hazard• recognize the consequence
 SHOCK HAZARD	Labels may be located on or inside the equipment (e.g., drive or motor) to alert people that dangerous voltage may be present.
 BURN HAZARD	Labels may be located on or inside the equipment (e.g., drive or motor) to alert people that surfaces may be dangerous temperatures.

ATTENTION**Preventing Electrostatic Discharge**

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 wriststrap.
 - Do not touch connectors or pins on component boards.
 - Do not touch circuit components inside the equipment.
 - If available, use a static-safe workstation.
 - When not in use, store the equipment in appropriate static-safe packaging.
-

ATTENTION

Environment and Enclosure

This equipment is intended for use in a Pollution Degree 2 industrial environment, in overvoltage Category II applications (as defined in IEC publication 60664-1), at altitudes up to 2000 meters without derating.

This equipment is considered Group 1, Class A industrial equipment according to IEC/CISPR Publication 11. Without appropriate precautions, there may be potential difficulties ensuring electromagnetic compatibility in other environments due to conducted as well as radiated disturbance.

This equipment is supplied as “open type” equipment. 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 interior of the enclosure must be accessible only by the use of a tool. Subsequent sections of this publication may contain additional information regarding specific enclosure type ratings that are required to comply with certain product safety certifications.

See NEMA Standards publication 250 and IEC publication 60529, as applicable, for explanations of the degrees of protection provided by different types of enclosure. Also, see the appropriate sections in this publication, as well as the Allen-Bradley publication 1770-4.1 (“Industrial Automation Wiring and Grounding Guidelines”), for additional installation requirements pertaining to this equipment.

About This Manual

Use this manual as a guide to install the adapter. The manual covers hardware installation and other information related to get you started.

IMPORTANT

In this manual, we use 1734-ADN(X) to refer to both of the following adapters:

- 1734-ADN POINT I/O DeviceNet Adapter
- 1734-ADNX POINT I/O DeviceNet Adapter with Subnet Expansion

We use 1734-ADN to refer only to the 1734-ADN adapter and 1734-ADNX to refer only to the 1734-ADNX adapter. We also refer to the 1734-ADN(X) POINT I/O DeviceNet Adapter as the adapter.

About the Adapter

The 1734-ADN(X) POINT I/O DeviceNet Adapter is a communication adapter for POINT I/O modules.

The adapter provides an interface for controlling and communicating with POINT I/O modules on a DeviceNet network.

For More Information

For more detailed information about use of the adapter, refer to the POINT I/O DeviceNet Adapter user manual, publication 1734-UM002.

It is available online at URL <http://literature.rockwellautomation.com>.

Install the Adapter

To install the adapter on the DIN rail prior to installing other base units, proceed as follows.

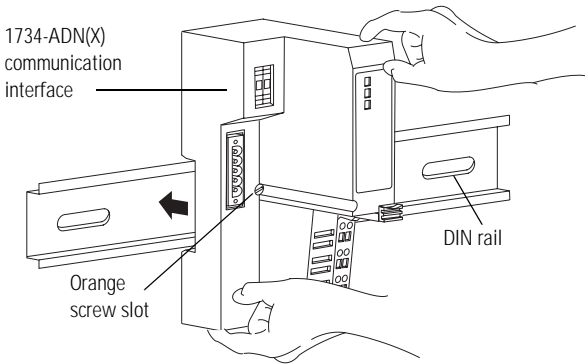
ATTENTION



POINT I/O is grounded through the DIN rail to chassis ground. Use zinc-plated, yellow-chromated steel DIN rail to assure proper grounding. The use of DIN rail materials (e.g., aluminum, plastic, etc.) 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.

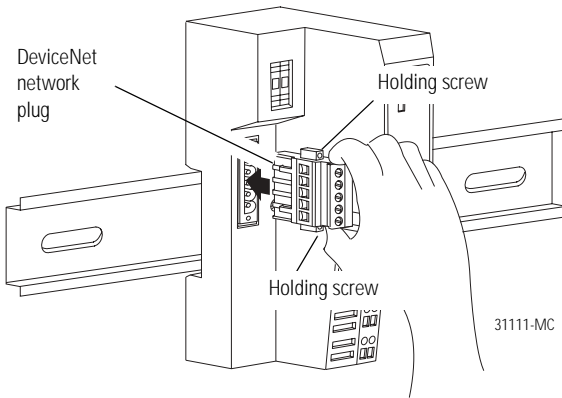
1. Position the adapter vertically in front of the DIN rail.
2. Press firmly to install the adapter on the DIN rail.

The locking mechanism locks the adapter to the DIN rail.



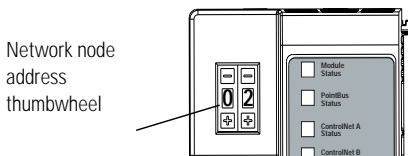
31110-MC

3. Insert the DeviceNet network plug and tighten the holding screws.

**WARNING**

If you connect or disconnect the communication cable with power applied to this module or any device on the network, an electrical arc can occur. This could cause an explosion in hazardous location installations.

4. Set the node address by pressing the + and - buttons on the 2-position thumbwheel switch.



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Valid physical settings range from 00 to 63.

You can also set the node address to some value between 64-99. In this case, you can change the adapter's node address via the RSNetWorx for DeviceNet software.

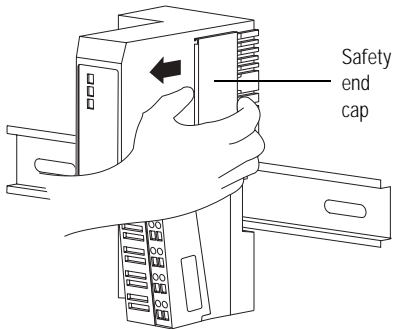
If you use a value between 64-99, at power-up you use the node address stored in the adapter's non-volatile memory.

5. Slide the safety end cap to remove it.

This exposes the backplane and power interconnections.

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.



31112-MC

Install a Replacement Adapter in an Existing System

WARNING



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 nonhazardous 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.

WARNING



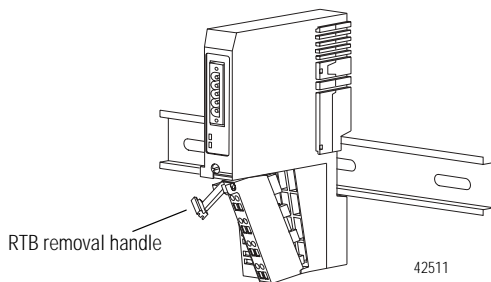
When you connect or disconnect the Removable Terminal Block (RTB) with field-side power applied, an electrical arc can occur. This could cause an explosion in hazardous location installations.

Be sure that power is removed or the area is nonhazardous before proceeding.

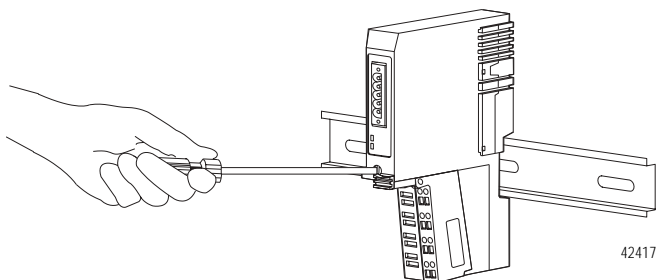
Your existing control application may be using another DeviceNet adapter (for example, 1734-PDN) that you want to replace with a 1734-ADN(X) DeviceNet adapter. Remove the existing adapter from the DIN rail as follows.

1. Remove power to the adapter and all I/O modules in your existing system.
2. Remove the wiring assembly and DeviceNet cable from your existing adapter.
3. Remove the adjacent I/O module.

For information about how to remove POINT I/O modules from the DIN rail, see the associated publications for those modules.



4. Use a small-bladed screwdriver to rotate the DIN rail locking screw to a vertical position and release the locking mechanism.



5. Pull the adapter off of the DIN rail to remove it from the existing system.
6. Insert the new adapter into slot 0 using the steps described in the Install the Adapter section of this manual on page 6.
7. Reattach I/O modules to the new adapter.

Wire the Adapter

WARNING

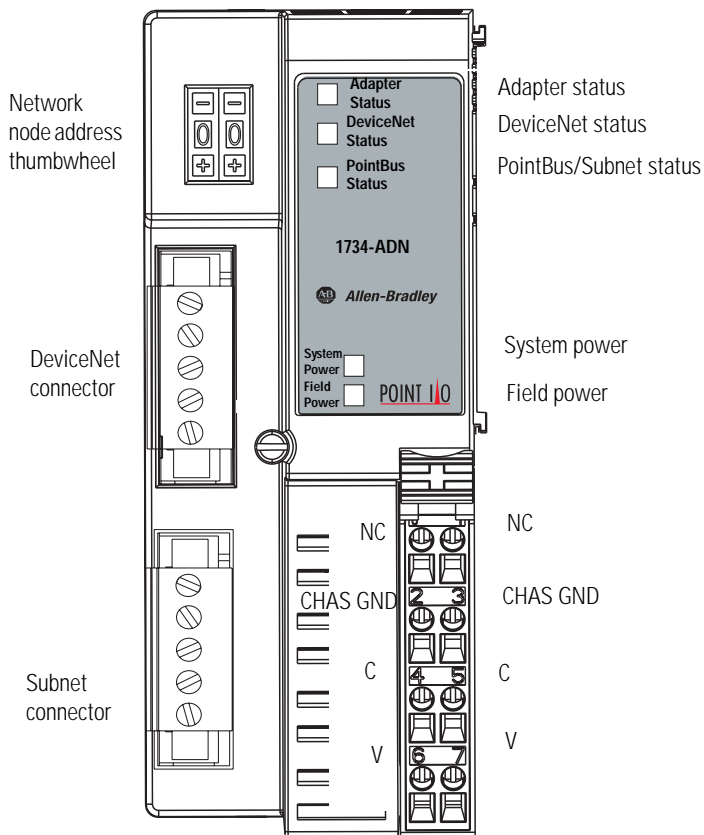


If you connect or disconnect the communications cable with power applied to this module or any device on the network, an electrical arc can occur. This could cause an explosion in hazardous location installations.

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.

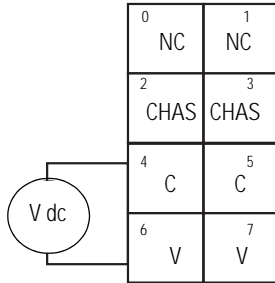


NC = No Connection
 CHAS GND = Chassis Ground
 C = Common
 V = Supply

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Adapter/field power
12/24V dc



Connect this dc supply to the internal power bus.

You cannot supply power to the adapter from the DeviceNet power supply.

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NC = No Connection
C = Common

CHAS = Chassis Ground
V = Supply

(Do not connect 120/240V ac power to this supply.)

DeviceNet
connection



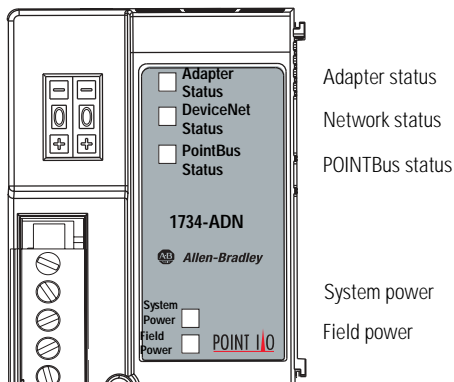
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Terminal		Notes
0	No connection	Reserved
1	No connection	
2	Chassis Ground	
3	Chassis Ground	
4	Common	
5	Common	
6	Voltage Input	Apply 12/24V dc. Connects to the internal power bus.
7	Voltage Input	

Troubleshoot with Indicators

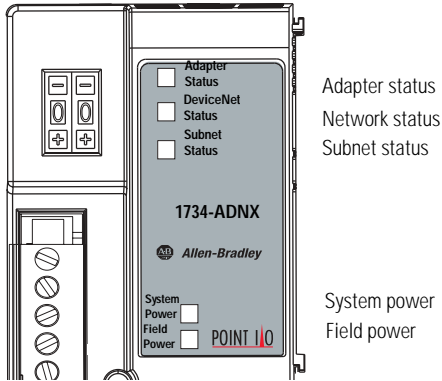
Use the status indicators to troubleshoot your adapter.

Status indicators for 1734-ADN adapters



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Status indicators for 1734-ADNX adapters



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Indicator	Indication	Probable Cause	Take This Action
System Power	Off	<ul style="list-style-type: none"> Not active Field power is OFF. DC-DC converter problem 	<ul style="list-style-type: none"> Check adapter configuration. Turn field power ON. Contact Customer Support.
	Green	<ul style="list-style-type: none"> System power is ON. DC-DC converter is active (5V). 	None
Field Power	Off	<ul style="list-style-type: none"> Not active Field power is OFF. 	<ul style="list-style-type: none"> Check adapter configuration. Turn field power ON.
	Green	Power is ON with 24V present.	None



Indicator	Indication	Probable Cause	Take This Action
Adapter Status	Off	No power is applied to device.	Power the adapter.
	Green	Device is operating normally.	None
	Flashing Green	Device needs to be commissioned because configuration is missing, incomplete, or incorrect	Check configuration and recommission the adapter.
	Flashing Red	Recoverable fault is present.	Make sure the adapter does not need a FLASH update.
	Red	Unrecoverable fault may require device replacement.	Replace the adapter.
	Flashing Red/Green	Device is in self-test.	Wait for self-test to finish.
Network Status	Off	Device is not online. - Device is autobauding . - Device has not completed dup_MAC_id test. - Device is not powered.	Check adapter status indicator to determine if you need more time to complete the dup_MAC_id test or if you need to power the adapter.
	Flashing Green	Device is online but has no connections in the established state.	None
	Green	Device is online and has connections in the established state.	None
	Flashing Red	One or more I/O connections are in timed-out states	Determine the cause of the time-out. You may need to increase the expected packet rate.
	Red	Critical link failure - communication device failed. Device detected error that prevents it from communicating on the network.	Make sure the device is using the correct MAC ID and baudrate.

Indicator	Indication	Probable Cause	Take This Action
Subnet and PointBus Status	Off	Device is not online. - Device has not completed Dup_MAC_ID test. - Device is not powered. - Check module status indicator.	Check adapter status indicator to determine if you need more time to complete the dup_MAC_id test or if you need to power the adapter.
	Flashing Green	Device is online but has no connections in the established state.	None
	Green	Device is online and has connections in the established state.	None
	Flashing Red	No scanlist is available. I/O module is missing. Max backplane MAC ID is not set right (1734-ADNX).	Make sure all I/O modules are connected and using the correct MAC IDs. Check "Cycling Node Status" parameter in RSNetWorx for DeviceNet. For 1734-ADNX, terminate the 1734-ADNX Subnet and correctly set the Max Backplane MAC ID. ¹
	Red	Critical link failure - communication device failed. Device detected error that prevents it from communicating on the network.	Make sure an I/O module is not using a MAC ID =0. Make sure all backplane modules are communicating at the proper baudrate.

¹Maxi(mum) Backplane MAC ID is an attribute for 1734-ADNX only. This value represents the highest node address of a module residing on the backplane. The value must be greater than or equal to the right-most backplane Subnet module, but less than that of any non-backplane Subnet module.

North American Hazardous Location Approval

The 1734-ADN adapter has North American Hazardous Location approval.

<p>The following information applies when operating this equipment in hazardous locations:</p>		<p>Informations sur l'utilisation de cet équipement en environnements dangereux:</p>	
<p>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.</p>		<p>Les produits marqués "CL I, DIV 2, GP A, B, C, D" ne conviennent qu'à une utilisation en environnements de Classe I Division 2 Groupes A, B, C, D dangereux et non dangereux. Chaque produit est livré avec des marquages sur sa plaque d'identification qui indiquent le code de température pour les environnements dangereux. Lorsque plusieurs produits sont combinés dans un système, le code de température le plus défavorable (code de température le plus faible) peut être utilisé pour déterminer le code de température global du système. Les combinaisons d'équipements dans le système sont sujettes à inspection par les autorités locales qualifiées au moment de l'installation.</p>	
<p>WARNING</p> 	<p>EXPLOSION HAZARD -</p> <ul style="list-style-type: none"> • 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. • If this product contains batteries, they must only be changed in an area known to be nonhazardous. 	<p>AVERTISSEMENT</p> 	<p>RISQUE D'EXPLOSION –</p> <ul style="list-style-type: none"> • Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher l'équipement. • Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher les connecteurs. Fixer tous les connecteurs externes reliés à cet équipement à l'aide de vis, loquets coulissants, connecteurs filetés ou autres moyens fournis avec ce produit. • La substitution de composants peut rendre cet équipement inadapté à une utilisation en environnement de Classe 1, Division 2. • S'assurer que l'environnement est classé non dangereux avant de changer les piles.

European Hazardous Location Approval

The 1734-ADN adapter has European Hazardous Location approval.

European Zone 2 Certification (The following applies when the product bears the EEx Marking)

This equipment is intended for use in potentially explosive atmospheres as defined by European Union Directive 94/9/EC.

DEMKO certifies that this equipment 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 potentially explosive atmospheres, given in Annex II to this Directive.

The examination and test results are recorded in confidential report No 03NK30347.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 50021.

IMPORTANT

Observe the following additional Zone 2 certification requirements.

This equipment is not resistant to sunlight or other sources of UV radiation.

The secondary of a current transformer shall not be open-circuited when applied in Class I, Zone 2 environments.

Equipment of lesser Enclosure Type Rating must be installed in an enclosure providing at least IP54 protection when applied in Class I, Zone 2 environments.

This equipment shall be used within its specified ratings defined by Allen-Bradley.

Provision shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 40% when applied in Class I, Zone 2 environments.

Specifications

Communication Interface Specifications

DeviceNet Communication Rate	125K bit/s (500m maximum) 250K bit/s (250m maximum) 500K bit/s (100m maximum)
DeviceNet Cable	Allen-Bradley part number 1485C-P1-Cxxx Refer to publication NETS-SG001 for more information.
Module Location	Starter module - left side of 1734 system
Number of Powered Modules	63 maximum
Number of Integrated I/O Channels	0
Number of I/O Points, Max.	504
DeviceNet Nodes with Maximum I/O, Total	1
Node Address	1
I/O Module Capacity	63
DeviceNet Current	30mA
POINTBus Current	1000mA @5V dc \pm 5% (4.75...5.25V)

Communications Interface Specifications (continued)

Expansion I/O Capacity	<p>Up to 13 modules (13 times 75mA = 0.975, just under the limit of 1.0A), based on POINTBus current requirements</p> <p>The actual number of modules can vary. Add up the current requirements of the modules you want to use to make sure they do not exceed the amperage limit of the adapter. Total expansion is up to 63 modules - 13 modules maximum with the adapter. Add 1734-EP24DC modules for an additional 17 modules (or less based on current requirements), up to 63 modules maximum.</p>																																																																
	<table border="0"> <thead> <tr> <th>Cat. No.</th> <th>PointBus Current Requirements</th> </tr> </thead> <tbody> <tr><td>1734-IB2</td><td>75mA</td></tr> <tr><td>1734-IB4</td><td>75mA</td></tr> <tr><td>1734-IB8</td><td>75mA</td></tr> <tr><td>1734-IV2</td><td>75mA</td></tr> <tr><td>1734-IV4</td><td>75mA</td></tr> <tr><td>1734-OB2</td><td>75mA</td></tr> <tr><td>1734-OB4</td><td>75mA</td></tr> <tr><td>1734-OB8</td><td>75mA</td></tr> <tr><td>1734-OB2E</td><td>75mA</td></tr> <tr><td>1734-OB2EP</td><td>75mA</td></tr> <tr><td>1734-OB4E</td><td>75mA</td></tr> <tr><td>1734-OB8E</td><td>75mA</td></tr> <tr><td>1734-OV2E</td><td>75mA</td></tr> <tr><td>1734-OV4E</td><td>75mA</td></tr> <tr><td>1734-OW2</td><td>80mA</td></tr> <tr><td>1734-OX2</td><td>100mA</td></tr> <tr><td>1734-IE2C</td><td>75mA</td></tr> <tr><td>1734-OE2C</td><td>75mA</td></tr> <tr><td>1734-IE2V</td><td>75mA</td></tr> <tr><td>1734-OE2V</td><td>75mA</td></tr> <tr><td>1734-IA2</td><td>75mA</td></tr> <tr><td>1734-IM2</td><td>75mA</td></tr> <tr><td>1734-OA2</td><td>75mA</td></tr> <tr><td>1734-IJ2</td><td>160mA</td></tr> <tr><td>1734-IK2</td><td>160mA</td></tr> <tr><td>1734-IR2</td><td>220mA</td></tr> <tr><td>1734-IT2I</td><td>175mA</td></tr> <tr><td>1734-SSI</td><td>110mA</td></tr> <tr><td>1734-VHSC5</td><td>180mA</td></tr> <tr><td>1734-VHSC24</td><td>180mA</td></tr> <tr><td>1734-232ASC</td><td>75mA</td></tr> </tbody> </table>	Cat. No.	PointBus Current Requirements	1734-IB2	75mA	1734-IB4	75mA	1734-IB8	75mA	1734-IV2	75mA	1734-IV4	75mA	1734-OB2	75mA	1734-OB4	75mA	1734-OB8	75mA	1734-OB2E	75mA	1734-OB2EP	75mA	1734-OB4E	75mA	1734-OB8E	75mA	1734-OV2E	75mA	1734-OV4E	75mA	1734-OW2	80mA	1734-OX2	100mA	1734-IE2C	75mA	1734-OE2C	75mA	1734-IE2V	75mA	1734-OE2V	75mA	1734-IA2	75mA	1734-IM2	75mA	1734-OA2	75mA	1734-IJ2	160mA	1734-IK2	160mA	1734-IR2	220mA	1734-IT2I	175mA	1734-SSI	110mA	1734-VHSC5	180mA	1734-VHSC24	180mA	1734-232ASC	75mA
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1734-232ASC	75mA																																																																

DeviceNet Power Supply Specifications

Input Voltage Rating	24V dc nominal
DeviceNet Input Voltage Range	11-25V dc DeviceNet specification
Input Overvoltage Protection	Reverse polarity protected
DeviceNet Power Requirements	24V dc (+4% = 25V dc max) @ 30mA maximum

Power Supply Specifications

Input Voltage Rating	24V dc nominal 10-28.8V dc range
Field Side Power Requirements	24V dc (+20% = 28.8V dc maximum) @ 400mA maximum
Inrush Current	6A maximum for 10ms
POINTBus Output Current	1A maximum @ 5V dc $\pm 5\%$ (4.75 - 5.25)
Input Overvoltage Protection	Reverse polarity protected
Interruption Protection	Output voltage will stay within specifications when input drops out for 10ms at 10V with maximum load.
Power Supply	For 1734-ADN adapters, user supplied power should be separate from DeviceNet power. For 1734-ADNX adapters, user supplied power should be separate from DeviceNet and Subnet power.

General Specifications

Indicators	3 red/green status indicators Adapter status DeviceNet status POINTBus status 2 green power supply status indicators: System Power (POINTBus 5V power) Field Power (24V from field supply)
Mounting Type	DIN-rail
Weight	0.26 kg (0.56 lb)
Module Location	Starter module - left side of 1734 system
Network Name	DeviceNet
Termination Type	None
Number of Nodes	1 maximum
Electronic Protection	No
Diagnostics	No
Enclosure Required	Yes
Power Consumption	8.1W @ 28.8V dc
Platform/Processor Compatibility	1747; 1756; 1761; 1762; 1764; 1789; 1794
Power Dissipation	2.8W maximum @ 28.8V
Communication Interface Type	Adapter
Device Type	Communication Interface
Thermal Dissipation	9.5 BTU/hr maximum @ 28.8V dc
Input Byte Capacity	248
Output Byte Capacity	248
Power Supply 24V Current Load	400mA
Field Power Bus	
Nominal Voltage	24V dc
Supply Voltage Range	10-28.8V dc range,
Supply Current	10A maximum

Isolation Voltage (Continuous - Voltage Withstand Rating)	50V continuous Test to withstand 800V dc for 60s
Operating Voltage Range	10...28.8V dc
Wire Size	14 AWG (2.5mm ²) - 22 AWG (0.25mm ²) solid or stranded, copper wire rated at 75°C or greater 3/64 inch (1.2mm) insulation maximum
Wire Category ^{1,2}	1 on power ports 2 on communications ports
Wire Type	Copper
Terminal Base Screw Torque	5-7 pound-inches (0.5-0.6Nm)
Field Wiring Terminations	
DeviceNet	1 - Black Wire-V 2 - Blue WireCAN Low 3 - Bare WireShield 4 - White WireCAN High 5 - Red Wire+V
Power Supply	0 - No Connection 1 - No Connection 2 - Chassis Ground 3 - Chassis Ground 4 - Common 5 - Common 6 - Supply 7 - Supply

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Dimensions Inches (Millimeters)	3.0H x 2.16W x 5.25L (76.2H x 54.9W x 133.4L)
Operational Temperature	IEC60068-2-1 (Test Ad, Operating Cold) IEC60068-2-2 (Test Bd, Operating Dry Heat) IEC60068-2-14 (Test Nb, Operating Thermal Shock) -20...55°C (-4...131°F)
Storage Temperature	IEC60068-2-1 (Test Ab, Unpackaged Non-operating Cold) IEC60068-2-2 (Test Bb, Unpackaged Non-operating Dry Heat) IEC60068-2-14 (Test Na, Unpackaged Non-operating Thermal Shock) -40...85°C (-40...185°F)
Relative Humidity	IEC60068-2-30 (Test Db, Unpackaged Non-operating Damp Heat) 5...95% noncondensing
Vibration	IEC60068-2-6 (Test Fc, Operating) 5g @ 10-500Hz
Shock Operating Shock Non-operating	IEC 60068-2-27 (Test Ea, Unpackaged Shock) 30g IEC 60068-2-27 (Test Ea, Unpackaged Shock) 50g
Emissions	CISPR 11: Group 1, Class A
ESD Immunity	IEC6100-4-2 6kV contact discharges 8kV air discharges
Radiated RF Immunity	IEC 61000-4-3 10V/m with 1kHz sine-wave 80%AM from 30MHz to 2000MHz 10V/m with 200HZ 50% Pulse 100%Am at 900MHz
EFT/B Immunity	IEC 61000-4-4 ±4kV at 5kHz on power ports ±2kV at 5kHz on communications ports
Surge Transient Immunity	IEC 61000-4-5 ±1kV line-line (DM) and ±2kV line-earth (CM) on power ports ±2kV line-earth (CM) on communications ports
Conducted RF Immunity	IEC61000-4-6 10Vrms with 1kHz sine-wave 80%AM from 150kHz to 80 MHz
Enclosure Type Rating	None (open-style)

<p>Certification³</p> <p>1734-ADNX</p> <p>(when product is marked)</p>	<p>CE European Union 89/336/EEC EMC Directive, compliant with: EN 61000-6-4; Industrial Emissions EN 50082-2; Industrial Immunity EN 61326; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity</p> <p>C-Tick Australian Radiocommunications Act, compliant with: AS/NZS CISPR11; Industrial Emissions</p> <p>DeviceNet compatible as certified by ODVA, Inc.</p>
<p>Certification³</p> <p>1734-ADN</p> <p>(when product is marked)</p>	<p>CE European Union 89/336/EEC EMC Directive, compliant with: EN 61000-6-4; Industrial Emissions EN 50082-2; Industrial Immunity EN 61326; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity</p> <p>C-Tick Australian Radiocommunications Act, compliant with: AS/NZS CISPR11; Industrial Emissions</p> <p>DeviceNet compatible as certified by ODVA, Inc.</p> <p>c-UL-usUL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada</p> <p>EEX European Union 94/9/EC ATEX Directive, compliant with: EN 50021; Potentially Explosive Atmospheres, Protection "n" (Zone 2)</p>

- 1 Use this Conductor Category information for planning conductor routing. Refer to Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1.
- 2 Use this Conductor Category information for planning conductor routing as described in the appropriate System Level Installation Manual.
- 3 See the Product Certification link at www.ab.com for Declarations of Conformity, Certificates, and other certification details.

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Rockwell Automation Support

Rockwell Automation provides technical information on the web to assist you in using its products. At <http://support.rockwellautomation.com>, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration and troubleshooting, we offer TechConnect Support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://support.rockwellautomation.com>.

Installation Assistance

If you experience a problem with a hardware module within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your module up and running:

United States	1.440.646.3223 Monday – Friday, 8am – 5pm EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned:

United States	Contact your distributor. You must provide a Customer Support case number (see phone number above to obtain one) to your distributor in order to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for return procedure.

www.rockwellautomation.com

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