



FLEX I/O EtherNet/IP Adapters

Catalog Numbers 1794-AENT, Series B

Topic	Page
Important User Information	2
Environment and Enclosure	3
North American Hazardous Location Approval	4
European Hazardous Location Approval	5
Electrical Safety Considerations	5
Prevent Electrostatic Discharge	7
Special Conditions for Safe Use	7
Overview	8
Install Your Adapter Module	9
Indicators	15
Specifications	17

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 [SGL-1.1](#) available from your local Rockwell Automation sales office or online at <http://www.rockwellautomation.com/literature/>) 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 that are 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.
	ATTENTION: Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss. Attentions help you identify a hazard, avoid a hazard and recognize the consequences.
	SHOCK HAZARD: Labels may be on or inside the equipment (for example, drive or motor) to alert people that dangerous voltage may be present.
	BURN HAZARD: Labels may be on or inside the equipment (for example, drive or motor) to alert people that surfaces may reach dangerous temperatures.
IMPORTANT	Identifies information that is critical for successful application and understanding of the product.

Environment and Enclosure



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 5V A 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 1794-AENT, Series B modules are Hazardous Location approved:

The Following Information Applies When Operating This Equipment In Hazardous Locations.	Informations sur l'utilisation de cet équipement en environnements dangereux.
<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>
<div style="display: flex; align-items: center;">  <div> <p>WARNING: 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. </div> </div>	<div style="display: flex; align-items: center;">  <div> <p>AVERTISSEMENT: 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 I, Division 2. </div> </div>



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



ATTENTION:

- Use only a soft dry anti-static cloth to wipe down equipment. Do not use any cleaning agents.

European Hazardous Location Approval

The following applies to products marked C E

- Are intended for use in potentially explosive atmospheres as defined by 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 Annex II to this Directive.
 - Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-15 and EN 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 Annex II to Directive 2014/34/EU. See the EC Declaration of Conformity at <http://www.rockwellautomation.com/global/certification/overview.page> for details.
 - The type of protection is Ex nA IIC T4 Gc according to EN 60079-15.
 - Comply to Standards EN 60079-0:2012, EN 60079-15:2010, reference certificate number ITS08ATEX45932X; II3GExnAIICT4Gc.
 - 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 ATEX directive 2014/34/EU.
-

Electrical Safety Considerations



ATTENTION: Power to this equipment and all connected I/O must be supplied from a source compliant with the following:

- SELV source approved to EN/IEC60950-1, EN/IEC61010-2-201 or EN/IEC62368-1 (ES1)
- PELV source approved to EN/IEC60950-1, EN/IEC61010-2-201 or EN/IEC62368-1 (ES1)

Note: A power source approved to a U.S.A. or Canadian version of the above listed standards is required for system approval in the U.S.A. or Canada.

ATTENTION: All wiring must comply with applicable electrical installation requirements (e.g., N.E.C. article 501-4(b)).

ATTENTION: Wire conductor and insulation ratings shall support minimum temperature rating of 85 °C (185 °F)



WARNING:

- This equipment is not resistant to sunlight or other sources of UV radiation.
- This equipment shall be mounted in an ATEX Zone 2 certified enclosure with a minimum ingress protection rating of at least IP54 (in accordance with EN 60079-15) and used in an environment of not more than Pollution Degree 2 (as defined in EN 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 ATEX certified Rockwell Automation® backplanes.
- Secure any external connections that mate to this equipment by using screws, sliding latches, threaded connectors, or other means provided with this product.
- Do not disconnect equipment unless power has been removed or the area is known to be nonhazardous.
- Enclosure must be marked with the following: "Warning - Do not open when energized." After installation of equipment into the enclosure, access to termination compartments shall be dimensioned so that conductors can be readily connected.
- Earthing is accomplished through mounting of modules on rail.
- Devices shall be used in an environment of not more than Pollution Degree 2.

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 wriststrap.
 - 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.
-

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. Refer to Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#), for more information.
 - Do not remove or replace a terminal base unit while power is applied. Interruption of the backplane can result in unintentional operation or machine motion.
 - Do not remove or replace an Adapter Module while power is applied. Interruption of the backplane can result in unintentional operation or machine motion.
 - If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
 - To reduce susceptibility to noise, power analog modules and digital modules from separate power supplies.
-

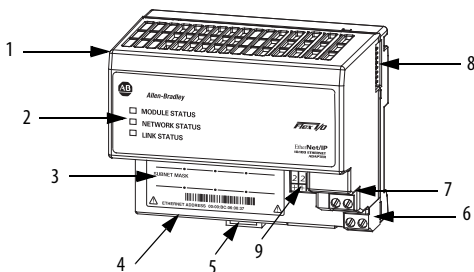


WARNING:

- If you insert or remove the module while backplane power is on, an electric 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.
- If you connect or disconnect the communications cable with power applied to this module or any device on the network, an electric 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.
- 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.
- 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.
- For Class I Division 2 applications, use only Class I Division 2 listed or recognized accessories and modules approved for use within the 1794 platform.

Overview

EtherNet/IP Adapter, Cat. No. 1794-AENT

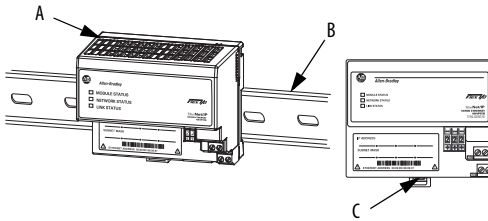


Component Identification

1	EtherNet/IP adapter
2	Status indicators
3	MAC ID label

Component Identification

4	Network cable RJ45 connector (underside)
5	Adapter DIN rail locking tab
6	24V dc connections
7	24V common connections
8	Flexbus connector
9	IP address switches

Install Your Adapter Module**Mount on a DIN Rail Before Installation of the Terminal Base Units**

1. Hook the lip on the rear of the adapter (A) onto the top of the 35 x 7.5 mm (1.38 x 0.30 in.) DIN rail (B).
2. Rotate the adapter module onto the rail.
3. Press the adapter down onto the DIN rail until flush.
4. DIN rail locking tab (C) will snap into position and lock the adapter to the DIN rail.
5. If the adapter does not lock in place, use a screwdriver or similar device to move the locking tab down while pressing the adapter flush onto the DIN rail: releasing the locking tab to lock the adapter in place.
6. If necessary, push up on the locking tab to lock.

7. Connect the adapter wiring as shown under Connecting Wiring later in this document.

Mount on a Panel or Wall

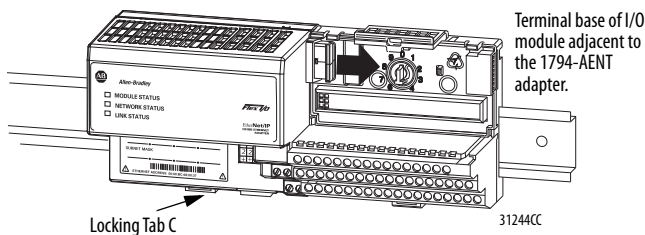
If mounting this adapter to a panel or wall, refer to publication [1794-IN135](#), Panel Mounting Kit, Cat. No. 1794-NM1/B.

Mount or Replace the Adapter on an Existing System

1. Remove the Ethernet plug-in connector from the bottom of the adapter.
2. Disconnect any adapter wiring jumpered to the adjacent terminal base.
3. Disconnect any user power wiring connections to the adapter.
4. Using a screwdriver or similar tool, open the module locking mechanism and remove the module from the base unit to which the adapter will be attached.
5. Push the Flexbus connector toward the right side of the terminal base to unplug the backplane connection.

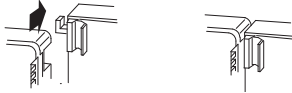


ATTENTION: Make certain the Flexbus connector is completely clear of the adapter. The slide must be completely to the right and the raised spot on the slide visible.



6. Release the DIN rail locking tab (C) and remove the adapter.

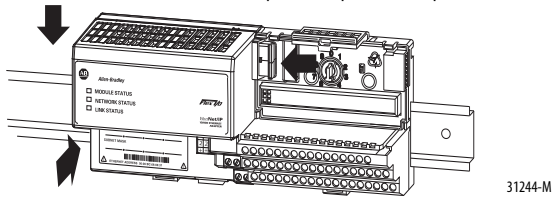
Before installing the new adapter, notice the notch on the right rear of the adapter. This notch accepts the hook on the terminal base unit. The notch is open at the bottom. The hook and adjacent connection point keep the terminal base and the adapter tight together, reducing the possibility of a break in communication over the backplane.



7. Complete the adapter mounting as shown below.

Push down and in at the same time to lock the adapter to the DIN rail.

When the adapter is locked onto the DIN rail, gently push the Flexbus connector into the adapter to complete the backplane.

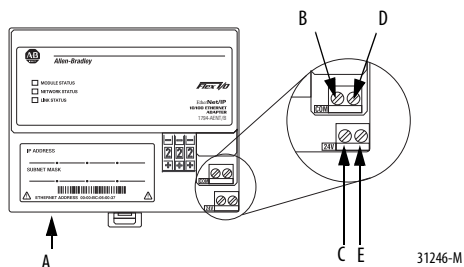


8. If the adapter does not lock in place, use a screwdriver or similar device to move the locking tab down while pressing the adapter flush onto the DIN rail: releasing the locking tab to lock the adapter in place. If necessary, push up on the locking tab to lock.
9. Reinstall the module in the adjacent terminal base unit.

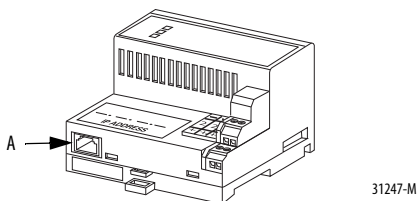
Connect Wiring



WARNING: If you connect or disconnect the communication cable with power applied to the adapter or any device on the network, 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.



1. Connect the Ethernet network cable to the RJ45 connector (A) on the underside of the adapter.



IMPORTANT We recommend connecting the module to the network via a 100 MB full-duplex switch, which will reduce network collisions and lost packets, and increase bandwidth. For detailed Ethernet connection information, see these publications:

- Ethernet/IP Performance and Application Guide, publication ENET-AP001
 - Ethernet/IP Media Planning and Installation Guide, publication number ENET-IN001
 - Precautions to Increase the Noise Immunity of the 1794-AENT FLEX I/O Ethernet/IP Adapter System, KnowBase Technote ID 42604
-

2. Connect 24V common to the left side of the upper connector, terminal **B**.
-

IMPORTANT Do not wire more than 2 conductors on any single terminal. When connecting wiring, torque terminal screws B, C, D, and E to 0.8 N·m (7 lb-in).

3. Connect +24V DC input power to the left side of the lower connector, terminal **C**.
4. Use connectors **D** and **E** to pass 24V common (**D**) and 24V DC power (**E**) to the next module in the series.

Set the Network Address

The adapter ships with the thumbwheel switches set to 999 and DHCP enabled. You can set the network Internet Protocol (IP) address in these ways:

- Use the thumbwheel switches on the module.
- Use a Dynamic Host Configuration Protocol (DHCP) server, such as Rockwell Automation® BootP/DHCP.
- Retrieve the IP address (if previously set) from nonvolatile memory.

The adapter reads the thumbwheel switches first to determine if the switches are set to a valid number. You set the node address by using the three-position

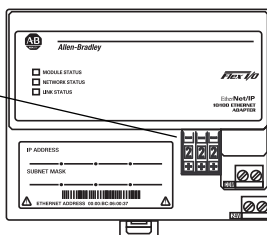
thumbwheel switch. Press the + or - buttons to change the number. Valid settings are 001...254.

When the switches are set to a valid number, the IP address of the adapter is 192.168.1.xxx (where xxx represents the number set on the switches). The subnet mask of the adapter is 255.255.255.0 and the gateway address is set to 0.0.0.0. The adapter does not have a host name assigned, or use any Domain Name System when using the thumbwheel settings.

Network Address Thumbwheel

Network Address
Thumbwheel -
Press Either the + or -
Buttons to Change the
Number

43248



If you set the switches to an invalid number (such as 000, or a value greater than 254), the adapter checks to see if you enabled DHCP.

DHCP Enabled and Not Enabled

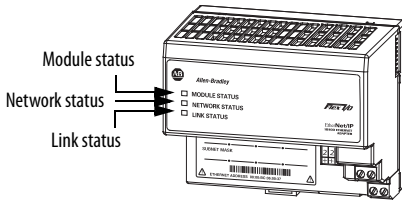
If DHCP is	Then the adapter
Enabled	Asks for an address from a DHCP server. The DHCP server also assigns other Transport Control Protocol (TCP) parameters.
Not enabled	Uses the IP address (along with other TCP configurable parameters) stored in nonvolatile memory.

The switch value of 888 lets you reset all configuration parameters to the factory settings. This is useful in situations where you want to reuse a module that has an unknown configuration.

Refer to the EtherNet/IP Adapter User Manual, publication [ENET-UM001](#), for more information.

Indicators

The faceplate of the 1794-AENT adapter is provided with three bicolor indicators.



Module Status Indicators

Indicator	Status	Description
Module Status indicator	Off – no power	Adapter does not have 24V DC power. Make sure power is being supplied to the adapter.
	Flashing green – standby	Adapter not configured. Configure adapter.
	Green – operational	Adapter operating correctly. No action required.
	Flashing red – minor fault	A recoverable fault has been detected. This could be caused by an incorrect or inconsistent configuration. Check configuration and reconfigure as needed.
	Red – major fault	An unrecoverable fault has been detected. Recycle power to the adapter. If this does not clear the fault, replace the adapter.
	Flashing red and green – self test	Adapter performing power-up self test. Wait until completed.

Network Status Indicators

Indicator	Status	Description
Network Status Indicator	Off – not powered, no IP address	Adapter is not powered, or does not have an IP address. Verify there is power and the adapter is correctly wired to the power supply. Make sure the adapter is configured.
	Flashing green – no connections	Adapter has obtained an IP address, but has no established connections.
	Green – CIP connections	Adapter has an IP address and at least one established connection.
	Flashing red – connection timeout	One or more of the connections in which the adapter is the target has timed out.
	Red – duplicate IP address	Adapter has detected that its IP address is already in use. Configure the adapter with a unique IP address.
	Flashing red and green – self test	Adapter performing power-up self test.

Link Status Indicator

Indicator	Status	Description
Link Status Indicator	Off – no link exists	Verify network cabling. Correct as necessary.
	Flashing green – I/O is being transmitted or received.	Normal operation. No action required.
	Steady green – a link exists	

Specifications

FLEX™ I/O EtherNet/IP Adapter - 1794-AENT

Attribute	Value
I/O capacity	8 modules
Power supply	To comply with the CE Low Voltage Directive (LVD), this equipment must be powered from a source compliant with the following: Safety Extra Low Voltage (SELV) or Protected Extra Low Voltage (PELV).
Power supply	To comply with the CE Low Voltage Directive (LVD), this equipment must be powered from a source compliant with the following: Safety Extra Low Voltage (SELV) or Protected Extra Low Voltage (PELV).
Input voltage rating	24V DC nom
Input voltage range	19.2 . . . 31.2V DC (includes 5% AC ripple)
Communication rate	10/100 Mbps
Indicators	Module Status – red/green Network Status – red/green Link Status – green
Flexbus output current	640 mA max
Isolation voltage	50V continuous, Basic Insulation Type Tested at 1000V AC for 60 s, power to Flexbus to Ethernet
Power consumption	550 mA max, 440 mA max at 24V DC
Power dissipation	7.3 W max @ 19.2V DC
Thermal dissipation	24.9 BTU/hr @ 19.2V DC
Ethernet connector	RJ45 Cat. 5
Weight, approx.	179 g (6.31 oz)
Enclosure type rating	None (open-style)
North American temp code	T4A
ATEX temp code	T4

FLEX™ I/O EtherNet/IP Adapter - 1794-AENT

Attribute	Value
Power conductors, Wire size	0.34...2.5 mm ² (22...12 AWG) stranded copper wire rated at 75 °C (167 °F) or higher, 1.2 mm (3/64 in.) insulation max
Wire category ⁽¹⁾	1 – on power ports 2 – on communications ports
Terminal screw torque	0.8 N·m (7 lb-in)

- (1) Use this Conductor Category information for planning conductor routing as described in the appropriate System Level Installation Manual. Also refer to 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): 0...55 °C (32...131 °F)
Temperature, surrounding air, max.	55 °C (131 °F)
Temperature, nonoperating	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)
Relative humidity	IEC 60068-2-30 (Test Db, unpackaged damp heat): 5...95% noncondensing
Vibration	IEC60068-2-6 (Test Fc, operating): 5 g @ 10...500 Hz
Shock, operating	IEC60068-2-27 (Test Ea, unpackaged shock): 30 g
Shock, nonoperating	IEC60068-2-27 (Test Ea, unpackaged shock): 50 g
Emissions	IEC 61000-6-4

Environmental Specifications

Attribute	Value
ESD immunity	IEC 61000-4-2: 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...2000 MHz 10V/m with 200 Hz 50% Pulse 100% AM at 900 MHz 10V/m with 200 Hz 50% Pulse 100% AM at 1890 MHz 3V/m with 1 kHz sine-wave 80% AM from 2000...2700MHz
EFT/B immunity	IEC 61000-4-4: ± 4 kV at 5 kHz on power ports ± 2 kV at 5 kHz on communication ports
Surge transient immunity	IEC 61000-4-5: ± 1 kV line-line (DM) and ± 2 kV line-earth (CM) on power ports ± 2 kV line-earth (CM) on communication ports
Conducted RF immunity	IEC 61000-4-6: 10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz

Certifications

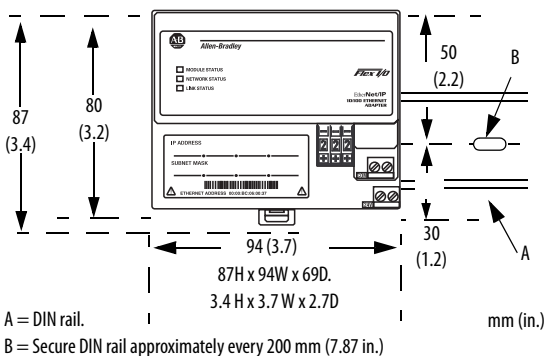
Certifications (when product is marked) ⁽¹⁾	Value
c-UL-us	<ul style="list-style-type: none"> UL Listed Industrial Control Equipment, certified for US and Canada. See UL File E65584. UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada. See UL File E194810.
CE	<p>European Union 2014/30/EU EMC Directive, compliant with:</p> <ul style="list-style-type: none"> EN 61326-1; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity EN 61000-6-4; Industrial Emissions EN 61131-2; Programmable Controllers (Clause 8, Zone A & B) <p>European Union 2011/65/EU RoHS, compliant with:</p> <ul style="list-style-type: none"> EN 50581; Technical documentation
RCM	<p>Australian Radiocommunications Act, compliant with:</p> <ul style="list-style-type: none"> EN 61000-6-4; Industrial Emissions

Certifications

Certifications (when product is marked) ⁽¹⁾	Value
Ex	European Union 2014/34/EU ATEX Directive, compliant with: <ul style="list-style-type: none"> • EN 60079-0; General Requirements • EN 60079-15; Potentially Explosive Atmospheres, Protection "n" • IIBGExnAIICT4Gc
KC	Korean Registration of Broadcasting and Communications Equipment, compliant with: <ul style="list-style-type: none"> • Article 58-2 of Radio Waves Act, Clause 3
EAC	<ul style="list-style-type: none"> • Russian Customs Union TR CU 020/2011 EMC Technical Regulation

(1) See the Product Certification link at <http://www.rockwellautomation.com/global/certification/overview.page> for Declaration of Conformity, Certificates, and other certification details.

Mounting Dimensions



Notes:

Notes:

Rockwell Automation Support

Use the following resources to access support information.

Technical Support Center	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	www.rockwellautomation.com/knowledgebase
Local Technical Support Phone Numbers	Locate the phone number for your country.	www.rockwellautomation.com/global/support/get-support-now.page
Direct Dial Codes	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	www.rockwellautomation.com/global/support/direct-dial.page
Literature Library	Installation Instructions, Manuals, Brochures, and Technical Data.	www.rockwellautomation.com/literature
Product Compatibility and Download Center (PCDC)	Get help determining how products interact, check features and capabilities, and find associated firmware.	www.rockwellautomation.com/global/support/pcdc.page

Documentation Feedback

Your comments will help us serve your documentation needs better. If you have any suggestions on how to improve this document, complete the How Are We Doing? form at http://literature.rockwellautomation.com/idc/groups/literature/documents/du/ra-du002_-en-e.pdf.

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

Allen-Bradley, FLEX, Rockwell Automation, Rockwell Software and TechConnect are trademarks of Rockwell Automation, Inc. EtherNet/IP is a trademark of ODVA, Inc. Trademarks not belonging to Rockwell Automation are property of their respective companies.

Rockwell Otomasyon Ticaret A.Ş., Kar Plaza İş Merkezi E Blok Kat:6 34752 İçerenköy, İstanbul, Tel: +90 (216) 5698400

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleitlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication 1794-IN082D-EN-P - January 2019

Supersedes Publication 1794-IN082C-EN-P - October 2007

Copyright © 2019 Rockwell Automation, Inc. All rights reserved.