



ATTENTION: Prevent 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.
- Use a static-safe workstation, if available.
- Store the equipment in appropriate static safe packaging when not in use.



WARNING:

- If 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.
 - 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.
- 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.
 - The 1794-TBNF and TBNFK are not approved for Class I Division 2 Applications.
 - When used in Class I Division 2 rail mounted applications, the 1794-CE1 and 1794-CE3 cables must be used with rail locks 1492-EAHJ35 or 1492-EAJ35 or equivalent.
 - 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.
 - When you change switch settings while power is on, an electrical arc can occur. This could cause an explosion in hazardous location installations.
 - Exposure to some chemicals may degrade the sealing properties of materials used in the following devices: Relay, Epoxy. It is recommended that the User periodically inspect these devices for any degradation of properties and replace the module if degradation is found.

Additional Resources

Resource and Description ⁽¹⁾
FLEX I/O Selection Guide, publication 1794-SG002. Provides a description and overview of the 1794 series FLEX I/O, FLEX I/O XT and FLEX Ex modules and compatible control platforms.
FLEX I/O Technical Data sheets, publication 1794-TD0xx. Provides complete technical data for each product in the FLEX I/O family.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1. Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certification website, http://www.rockwellautomation.com . Provides declarations of conformity, certificates, and other certification details.

To view or download product publications, go to <http://www.rockwellautomation.com/literature> and search documents by catalog number under "Documents". To order paper copies of technical documentation, contact your local Rockwell Automation distributor or sales representative.

More References

Publication	Catalog Number(s)	Publication	Catalog Number(s)
1794-IN131	1794-AENTR, 1794-AENTRXT	1794-IN038	1794-IF4I
1794-IN128	1794-ACN15, 1794-ACN15K, 1794-ACNR15, 1794-ACNR15XT	1794-IN129	1794-IF4IXT, 1794-OF4IXT, 1794-IF2XOF2IXT
1794-IN018	1794-ACNR	1794-IN115	1794-IF8IH
1794-IN099	1794-ADN/C, 1794-ADNK/C	1794-IN119	1794-IG16, 1794-OG16
1794-IN082	1794-AENT	1794-IN118	1794-IH16
1794-IN040	1794-APB	1794-IN049	1794-IJ2, 1794-IJ2K, and 1794-IJ2XT
1794-IN114	1794-APBDPV1	1794-IN123	1794-IM16, 1794-OM16
1794-IN098	1794-ASB, 1794-ASB2, 1794-ASBK, 1794-ASB2K	1794-IN104	1794-IM8, 1794-OM8
1794-IN110	1794-ASBLT	1794-IN064	1794-IP4
1794-IN008	1794-ACN	1794-IN050	1794-IRT8/B, 1794-IRT8K/B and 1794-IRT8XT/B
1794-IN012	1794-CE1, 1794-CE3	1794-IN021	1794-IT8, 1794-IR8
1794-IN102	1794-IA8, 1794-IA8I, 1794-IA16	1794-IN095	1794-IV16, 1794-OV16, 1794-OV16
1794-IN096	1794-IB16D, 1794-OB16D	1794-IN103	1794-OA8, 1794-OA8K, 1794-OA8I, 1794-OA16
1794-IN083	1794-IB16XOB16P, 1794-IB10XOB6	1794-IN094	1794-OB8, 1794-OB8EP, 1794-OB16, 1794-OB16P, 1794-OB32P
1794-IN093	1794-IB8, 1794-IB16, 1794-IB16K, 1794-IB32	1794-IN124	1794-OB8EPXT, 1794-IB16XT, 1794-OB16PXT, 1794-IB10XOB6XT
1794-IN105	1794-IC16, 1794-OC16	1794-IN109	1794-OE8H
1794-IN063	1794-ID2	1794-IN037	1794-OF4I
1794-IN106	1794-IE12, 1794-OE12, 1794-IE8XOE4	1794-IN120	1794-OF8IH
1794-IN100	1794-IE8, 1794-IE4XOE2, 1794-OE4, 1794-IE8K, 1794-OE4K	1794-IN019	1794-OW8, 1794-OW8K, 1794-OW8XT
1794-IN108	1794-IE8H	1794-IN092	1794-TB2, -TB3, -TB3K, -TB3S, -TB32, -TB32S, -TB3G, -TB3GK, -TB3GS, -TB3T, -TB3TS, -TBN, -TBNK, -TBNF, -TBNFK, -TBKD, -TB3SK, -TB3GSK, -TB3TK, -TB3TSK
1794-IN125	1794-IE8XT, 1794-OE4XT, 1794-IE4XOE2XT		
1794-IN039	1794-IF2XOF2I	1794-IN107	1794-TB62DS, 1794-TB37DS, 1794-TB62EXD4X15, 1794-TB37EXD4CM8, 1794-TB37EXD4VM8
1794-IN133	1794-TB3GT		

Operating Temperature

Operating Temperature	1794-AENT, 1794-AENTR, 1794-APB, 1794-APBDPV1, 1794-IA16, 1794-IB16D, 1794-IB16XOB16P, 1794-IB32, 1794-IC16, 1794-ID2, 1794-IF8IH, 1794-IG16, 1794-IH16, 1794-IM8, 1794-IM16, 1794-IP4, 1794-IV32, 1794-OA16, 1794-OB16D, 1794-OB32P, 1794-OC16, 1794-OF8IH, 1794-OG16, 1794-OM8, 1794-OM16, 1794-OV32, 1794-PS3, 1794-PS13, 1794-TBKD, 1794-TB37DS, 1794-TB62DS, 1794-VHSC	1794-CE1, 1794-CE3	1794-ACN, 1794-ACN15, 1794-ACN15K, 1794-ACNR, 1794-ACNR15, 1794-ASB, 1794-ASB2, 1794-ASBLT, 1794-IA8, 1794-IA8I, 1794-IB8, 1794-IB10XOB6, 1794-IB16, 1794-IB16Q58, 1794-IE4XOE2, 1794-IE8, 1794-IE8H, 1794-IF2XOF2I, 1794-IF4I, 1794-IJ2, 1794-IR8, 1794-IRT8, 1794-IT8, 1794-IV16, 1794-OA8, 1794-OA8I, 1794-OA8K, 1794-OE4, 1794-OB8, 1794-OB8EP, 1794-OB16, 1794-OB16P, 1794-OB16PQ58, 1794-OE8H, 1794-OF4I, 1794-OV16, 1794-OV16P, 1794-OW8, 1794-TB2, 1794-TBNF, 1794-TBNFQ28	1794-IE12, 1794-OE12, 1794-IE8XOE4	1794-ACNR15XT, 1794-ADN, 1794-ADNK, 1794-AENTR, 1794-IB10XOB6XT, 1794-IB16XT, 1794-IE4XOE2XT, 1794-IE8XT, 1794-IF2XOF2IXT, 1794-IF4IXT, 1794-IJ2XT, 1794-IRT8XT, 1794-OB8EPXT, 1794-OB16PXT, 1794-OE4XT, 1794-OF4IXT, 1794-OW8XT, 1794-TB3, 1794-TB3K, 1794-TB3G, 1794-TB3GK, 1794-TB3GS, 1794-TB3GT, 1794-TB3GSK, 1794-TB3GQ28, 1794-TB3GSQ28, 1794-TB3Q28, 1794-TB3S, 1794-TB3SK, 1794-TB3SQ28, 1794-TB3T, 1794-TB3TK, 1794-TB3TQ28, 1794-TB3TS, 1794-TB3TSK, 1794-TB3TSQ28, 1794-TB32, 1794-TB32S, 1794-TBN, 1794-TBNK, 1794-TBNQ28	1794-AENTRXT
0...55 °C (32...131 °F)	✓					
0...60 °C (32...140 °F)		✓				
-20...55 °C (-4...131 °F)			✓			
-20...60 °C (-4...140 °F)				✓		
-20...70 °C (-4...185 °F)					✓	
-25...70 °C (-13...185 °F)						✓

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