

1794-IE4XOE2

FLEX 4-Input / 2-Output Analogue Combination Module

Allen-Bradley 1794-IE4XOE2 is a FLEX I/O analogue combination module with four inputs and two single-ended outputs. It exchanges configured analogue process signals through the installed FLEX I/O terminal base and adapter.

BRAND	Allen-Bradley	FAMILY	Allen-Bradley FLEX I/O 1794 system
PART	1794-IE4XOE2	SYSTEM ROLE	Acquires four configured analogue input channels

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1794-IE4XOE2

MANUFACTURER SOURCE RECORD

FLEX I/O Analogue Modules User Manual
Rockwell Automation publication 1794-UM062

Product Overview

SYSTEM FUNCTION

Allen-Bradley 1794-IE4XOE2 is a FLEX I/O analogue combination module with four inputs and two single-ended outputs. It exchanges configured analogue process signals through the installed FLEX I/O terminal base and adapter.

FUNCTION 1

Acquires four configured analogue input channels

FUNCTION 2

Provides two single-ended analogue output channels

FUNCTION 3

Uses the modular FLEX I/O terminal-base architecture

FUNCTION 4

Operates from the documented 24 V DC supply arrangement

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Allen-Bradley FLEX I/O 1794 system
Primary interface	Acquires four configured analogue input channels
Engineering context	The module plugs into the documented FLEX I/O terminal base and communicates through the installed adapter. Commissioning preserves terminal assignments, field supplies, channel ranges, scaling and controller configuration.
Commissioning duty	Prove every input and output loop before automatic operation.

TECHNICAL NOTE

Install 1794-IE4XOE2 on the exact FLEX I/O terminal base specified by the official user manual and record all four input and two output channels before removal. Restore channel range, scaling and adapter configuration, then validate each loop and module diagnostic under controlled conditions.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Catalogue number	1794-IE4XOE2	Nominal supply	24 V DC
Input points	4	Series	B
Output points	2 single-ended	Operating temperature	0 to 55 deg C
Module function	Analogue combination I/O		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
1756-OF8	ControlLogix analogue output module	View 1756-OF8 page
1756-A10	ControlLogix chassis	View 1756-A10 page
1756-PA75	ControlLogix power supply	View 1756-PA75 page
1756-ENBT/A	EtherNet/IP module	View 1756-ENBT/A page
1756-L71	ControlLogix controller	View 1756-L71 page
1794-IE8	FLEX analogue input module	View 1794-IE8 page
1794-OE4	FLEX analogue output module	View 1794-OE4 page
1756-IF8	ControlLogix analogue input module	View 1756-IF8 page

ENGINEERING BOUNDARY

Confirm 1794-IE4XOE2, Series B, FLEX I/O adapter and terminal base, 24 V DC supply, four input and two single-ended output assignments, signal ranges, scaling, commons, shielding, grounding, controller project and controlled loop-test results before commissioning.

Applications and Precautions

Common Applications

Compact analogue process stations

Combines sensing and command loops in one FLEX I/O module position.

Machine utility monitoring

Acquires analogue condition signals and returns configured analogue commands.

Skid control I/O

Connects a small set of transmitters and control outputs through a remote FLEX station.

FLEX I/O migration verification

Provides the exact channel record required for controlled module replacement.

Product Precautions

- 1

Confirm 1794-IE4XOE2, Series B and the assigned FLEX I/O station position.
- 2

Place affected process loops and final elements in the approved maintenance state.
- 3

Isolate field and module power and use ESD controls during handling.
- 4

Record all four input and two output terminals, commons, shields and field supplies.
- 5

Verify the terminal-base catalogue and adapter arrangement against the official manual.
- 6

Restore channel type, range, scaling and controller I/O configuration.
- 7

Review module, adapter and controller diagnostics after controlled power-up.
- 8

Prove every input and output loop before automatic operation.

IMPORTANT NOTICE

Confirm 1794-IE4XOE2, Series B, FLEX I/O adapter and terminal base, 24 V DC supply, four input and two single-ended output assignments, signal ranges, scaling, commons, shielding, grounding, controller project and controlled loop-test results before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	1794-IE4XOE2
Configuration	Review module, adapter and controller diagnostics after controlled power-up.
Functional release	Prove every input and output loop before automatic operation.

Engineer FAQ

Q1 How should the complete 1794-IE4XOE2 identity be verified before replacement?

Confirm 1794-IE4XOE2, Series B, FLEX I/O adapter and terminal base, 24 V DC supply, four input and two single-ended output assignments, signal ranges, scaling, commons, shielding, grounding, controller project and controlled loop-test results before commissioning.

Q3 Which host or carrier must be checked before installing 1794-IE4XOE2?

The module plugs into the documented FLEX I/O terminal base and communicates through the installed adapter. Commissioning preserves terminal assignments, field supplies, channel ranges, scaling and controller configuration.

Q5 Which wiring or connector records should be retained for 1794-IE4XOE2?

Record all four input and two output terminals, commons, shields and field supplies. Verify the terminal-base catalogue and adapter arrangement against the official manual.

Q7 Which diagnostics must be reviewed after fitting 1794-IE4XOE2?

Review module, adapter and controller diagnostics after controlled power-up.

Q2 What system role does 1794-IE4XOE2 perform in the documented installation?

Allen-Bradley 1794-IE4XOE2 is a FLEX I/O analogue combination module with four inputs and two single-ended outputs. It exchanges configured analogue process signals through the installed FLEX I/O terminal base and adapter.

Q4 What isolation and ESD controls apply when handling 1794-IE4XOE2?

Place affected process loops and final elements in the approved maintenance state. Isolate field and module power and use ESD controls during handling.

Q6 How should the approved configuration for 1794-IE4XOE2 be restored?

Restore channel type, range, scaling and controller I/O configuration.

Q8 What controlled acceptance test completes work on 1794-IE4XOE2?

Prove every input and output loop before automatic operation.

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