

INDUSTRIAL AUTOMATION PRODUCT

1794-OE4XT

FLEX I/O four-channel analog output module

It converts four controller output words into independent voltage or current commands for compatible field devices on a FLEX I/O station.

IDENTITY	VERIFIED VALUE
Manufacturer	Allen-Bradley
System family	Allen-Bradley FLEX I/O analog system
Part number	1794-OE4XT
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Allen-Bradley product record.

PARAMETER	TECHNICAL VALUE
Catalog number	1794-OE4XT
Analog outputs	4 single-ended, non-isolated
Voltage output range	+/-10 V
Current output range	0-20 mA
Voltage resolution	2.56 mV/count
Current resolution	5.13 uA/count
Voltage output load	3 mA maximum
Current output load	15-750 ohm at 24 V DC
Data format	16-bit two's complement, left justified
External supply	24 V DC nominal
External supply range	19.2-31.2 V DC
External supply current	70 mA at 24 V DC
FlexBus current	70 mA
Keyswitch position	4
Calibration	None required
Status indicator	1 green power indicator
Operating temperature	0-55 degC
Storage temperature	-40-85 degC

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System Role and Architecture

It converts four controller output words into independent voltage or current commands for compatible field devices on a FLEX I/O station.

FUNCTION 1

Provides four configurable analog output channels

FUNCTION 2

Supports voltage and current command modes

FUNCTION 3

Maintains customer-selected safe-state output values

FUNCTION 4

Mounts on the documented FLEX I/O terminal bases

Matched system components

- FLEX I/O adapter and backplane
- 1794-TB2, TB3, TB3S, TB3T, TB3TS or TBN base
- 24 V DC external field supply
- compatible analog actuators or reference inputs

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	FLEX I/O adapter and backplane
Companion hardware	1794-TB2, TB3, TB3S, TB3T, TB3TS or TBN base
Field connection	24 V DC external field supply
Primary system function	Provides four configurable analog output channels
Controlled acceptance duty	Valve-positioner command outputs

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Applications and Engineering Context

Valve-positioner command outputs

Provides four configurable analog output channels

Variable-speed drive reference signals

Supports voltage and current command modes

Process setpoint generation

Maintains customer-selected safe-state output values

FLEX I/O analog-output modernization

Mounts on the documented FLEX I/O terminal bases

TECHNICAL NOTE

Isolate the FLEX I/O station and field supply, key the terminal base to position 4, preserve channel polarity and commons, then validate each output at low, midpoint and high command values.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	1794-OE4XT / 1794-OE4XT recorded
Physical interface	FLEX I/O adapter and backplane
Companion check	1794-TB2, TB3, TB3S, TB3T, TB3TS or TBN base
Functional proof	Provides four configurable analog output channels
Application test	Valve-positioner command outputs

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Engineering Precautions

- 1 Verify the complete 1794-OE4XT marking and its documented Allen-Bradley FLEX I/O analog system position before field work.
- 2 Place the connected equipment in the approved maintenance state before removing 1794-OE4XT.
- 3 Isolate every applicable power, signal and stored-energy source, then prove a safe state at 1794-OE4XT.
- 4 Record the installed connectors, terminals, jumpers and channel or node assignments before disconnection.
- 5 Use ESD controls and protect keyed interfaces, edge connectors and exposed electronic assemblies.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
1772-LW	Related Allen-Bradley product	View 1772-LW page
1772-LS	Related Allen-Bradley product	View 1772-LS page
1772-LN2	Related Allen-Bradley product	View 1772-LN2 page
1771-P4R	Related Allen-Bradley product	View 1771-P4R page
1771-OZL	Related Allen-Bradley product	View 1771-OZL page
1771-IB	Related Allen-Bradley product	View 1771-IB page
1769-OV32T	Related Allen-Bradley product	View 1769-OV32T page
1757-FFLD2	Related Allen-Bradley product	View 1757-FFLD2 page

MANUFACTURER SOURCE RECORD

Rockwell Automation FLEX I/O High-Density Analog Modules User Manual

1794-UM062B-EN-P

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