FLEX I/O 1794

Product Data Sheet

1794-OF4I

Isolated Analog Output Module

ANALOG OUTPUTS	FLEXBUS DEMAND	EXTERNAL POWER RANGE	EXTERNAL POWER CURRENT
4 individually isolated	**55 mA at 5 V DC**	**19.2 to 31.2 V DC**	**210 mA at 24 V DC**

Allen-Bradley 1794-OF4I is an isolated analog output module in the FLEX I/O 1794 range. It is used for isolated analog actuator signalling in distributed control in compatible industrial automation systems.

01 VERIFIED TECHNICAL DATA

Analog outputs	4 individually isolated
Flexbus demand	55 mA at 5 V DC
External power range	19.2 to 31.2 V DC
External power current	210 mA at 24 V DC
Maximum module dissipation	4.7 W at 31.2 V DC
Output data formats	Two’s complement, percent, binary or offset binary
Output resolution	15 bits plus sign
All-channel update interval	2.5 ms or 5 ms, configuration-dependent
Current output ranges	0 to 20 mA or 4 to 20 mA
Voltage output ranges	±10 V, 0 to 10 V, ±5 V or 0 to 5 V

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Output step response	Less than 25 micros to 63% full scale
Maximum voltage-output load current	3 mA
Absolute output accuracy	0.1% full scale at 25 deg C
Maximum continuous overload	30 V or 32 mA, one channel at a time
Operating ambient	-20 to 55 deg C

03 DOCUMENTED USE SETTINGS

Pulp Processing and Paper Processing: Pulp Preparation and Processing.

Chemical and Petrochemical Manufacturing and Processing: Chemical Production Process Automation.

Metal Processing and Materials Processing: Steel Rolling Process Control.

04 SYSTEM COMPATIBILITY

Integrate 1794-OF4I only in the documented FLEX I/O 1794 configuration. Match the installed interfaces and the engineered application before selecting this isolated analog output module.

05 PRODUCT EVIDENCE

Rockwell1794-IN037H-EN-P,03/2024;1794-OF4I specifications,pp.8 to 9

AMIKON PRODUCT SUPPORT

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