

Specifications – 4 Isolated Output Module (Cat. No. 1794-OF4I)**Output Specifications**

Number of Outputs	4 isolated
Resolution Voltage Current	15 bits plus sign 0.320mV/cnt 0.656 μ A/cnt
Data Format	2's complement 2's complement % binary offset binary
Conversion Type	digital to analog converter
Update Rate	2.5/5.0ms
Output Current Terminal	0mA output until module is configured 4-20mA user configurable 0-20mA user configurable
Output Voltage Terminal	0V output until module is configured \pm 10V user configurable 0-10V user configurable \pm 5V (user configurable) 0-5V (user configurable)
Step Response to 63% of FS	<25 μ s
Current Load on Voltage Output	3mA maximum
Resistive Load on mA Output	0 - 750 ohms
Absolute Accuracy ¹ Voltage Terminal Current Terminal	0.1% Full Scale @ 25°C 0.1% Full Scale @ 25°C
Accuracy Drift with Temperature Voltage Terminal Current Terminal	0.0012% Full Scale/°C 0.0025% Full Scale/°C
Dielectric Withstand Test Voltage	120V ac continuous (when used with 1794-TB3, -TB3S or -TB3T) 250V ac continuous (when used with 1794-TBN) Module is 100% tested to 2550V dc for 1s between channel to channel, channel to user power, channel to system, and user power to system
Flexbus Current	50mA
Indicators	1 green power/status indicator
Power Dissipation	4.7W maximum @ 31.2V dc
Thermal Dissipation	Maximum 16 BTU/hr @ 31.2V dc
Calibration	Yes
Keyswitch Position	4

Specifications continued on next page

Specifications – 4 Isolated Output Module (Cat. No. 1794-OF4I)

General Specifications

Module Location	Cat. No. 1794-TB3, -TB3S, -TB3T, -TB3TS, -TBN and -TBNF Terminal Base
External dc Power Supply Voltage Voltage Range Supply Current	24V dc nominal 19.2 to 31.2V dc (includes 5% ac ripple) 210mA @ 24V dc
Dimensions Inches (Millimeters)	1.8H x 3.7W x 2.1D (45.7 x 94.0 x 53.3)
Environmental Conditions Operational Temperature Storage Temperature Relative Humidity Shock Operating Non-operating Vibration	0 to 55°C (32 to 131°F) -40 to 85°C (-40 to 185°F) 5 to 95% noncondensing (operating) 5 to 80% noncondensing (nonoperating) 30 g peak acceleration, 11(+1)ms pulse width 50 g peak acceleration, 11(+1)ms pulse width Tested 5 g @ 10–500Hz per IEC 68-2-6
Conductors Wire Size Category	12 gauge (4mm ²) stranded maximum 3/64 inch (1.2mm) insulation maximum 2 ²
Agency Certification	<ul style="list-style-type: none"> • CSA certified • CSA Class I, Division 2 Groups A, B, C, D certified • UL listed • CE marked for all applicable directives • C-tick marked for all applicable acts
Publications User Manual Installation Instructions	Publication 1794-6.5.8 Publication 1794-5.37

¹ Includes offset, gain, non-linearity and repeatability error terms.
² Use this conductor category information for planning conductor routing. Refer to publication 1770-4.1, "Industrial Automation Wiring and Grounding Guidelines for Noise Immunity."