

Analog 12 Output Module

Specification	1794-0E12
Power dissipation, max	4.0 W @ 31.2V DC 4.3 W @ 24V DC 4.0 W @ 10.0V DC
Thermal dissipation, max	14.7 BTU/hr @ 24V DC
Wire size	0.34... 2.5 mm ² (22...12 AWG) solid or stranded shielded copper wire rated at 75 °C (167 °F) or greater 1.2 mm (3/64 in.) insulation max
Wire category	2 – on signal ports 2 – on power ports ⁽¹⁾
Dimensions (HxWxD), approx	46 x 94 x 53 mm (1.8 x 3.7 x 3.1 in.) 94 x 94 x 69 mm (3.7 x 3.7 x 2.7 in.) installed

(1) Use this Conductor Category information for planning conductor routing. Refer to Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).

1794-0F4I and 1794-0F4IXT Isolated Analog 4 Output Module

The 1794-0F4I modules provides 4 isolated outputs for 2-, 3-, and 4-wire output devices that use voltage in the range of $\pm 10V$ or 0...20 mA current.

1794-0F4IXT is the extended temperature version of the 1794-0F4I module.

Isolated Analog 4 Output Module

Specification	1794-0F4I, 1794-0F4IXT
Output resolution	15 bit + sign 0.656 $\mu A/cnt$ 0.320 mV/cnt
Data format	2's complement 2's complement percent binary offset binary
Output conversion type	Digital to analog converter
Output conversion rate	2.5/5.0 ms
Step response to 63% of FS, output	Current or voltage output: <25 μs
Current load on voltage output, max	3 mA
Output current, resistive load	0...750 Ω
Accuracy	Current input: 0.1% Full Scale @ 25 °C (77 °F) Voltage input: 0.1% Full Scale @ 25 °C (77 °F) ⁽¹⁾
Accuracy drift w/temp	Current input: 0.0025% Full Scale /°C Voltage input: 0.0012% Full Scale/°C
Calibration	Factory calibrated
Isolation voltage	120V (continuous), when used with 1794-TB2, 1794-TB3, 1794-TB3S, 1794-TB3T, or 1794-TB3TS 250V (continuous), when used with 1794-TBN Type tested at 1500V AC for 60 s, and 2550V DC for 1 s, channel to channel, I/O to system