




Catalog #: 1762-0F4 

## MicroLogix 4 Point Analog Output Module

Lifecycle status: Active Mature

## Technical Specifications

### Electrical

Resolution of the analogue outputs	12 Bit
Input, current	Yes
Input, voltage	Yes
Input, resistor	No
Input, resistance thermometer	No
Input, thermocouple	No
Input signal, configurable	Yes
Output, current	Yes
Output, voltage	Yes
Output signal configurable	Yes
Analogue inputs configurable	No
Analogue outputs configurable	Yes
Type of electric connection	Screw connection
Fast transient burst	IEC1000-4-4: 2kV, 5 kHz
Conducted immunity	10V, 0.15...80 MHz
Radiated immunity	IEC1000-4-3: 10 V/m, 80...1,000 MHz, 80% amplitude modulation, +900 MHz keyed carrier
Suitable for safety functions	No
Surge immunity	IEC1000-4-5: 1kV galvanic gun
Module power LED	On: indicates power is applied

## Environmental

Operating temperature	-20 °C
ESD immunity	EN 61000-4-2, 4 kV contact, 8 kV air, 4 kV indirect
Operating altitude	2000 m
Storage temperature	-40 °C
Operating humidity	5...95% noncondensing

## Output Specifications

Load range on voltage output	>1K $\Omega$
Output update time	Typical: 2.5 ms
Number of outputs	4 single-ended (unipolar)
D/A converter type	R-2R ladder voltage switching
Non-linearity	< $\pm 0.59\%$ (in percent full scale)
Typical overall accuracy	$\pm 1.17\%$ full scale @ -20...65 °C (Only applicable to Series B I/O modules.)
Reactive load, voltage output	<1 $\mu$ F
Reactive load, current output	<0.1 mH
Output protection	-32 mA
Open and short-circuit protection	Continuous
Resistive load on current output	0...500 $\Omega$ (includes wire resistance)
Output ripple range	< $\pm 0.1\%$ @ 0...500 Hz (referred to output range)

## General Specifications

Analog normal operating range	Voltage: 0...10V DC
Bus current draw, max	40 mA @ 5V DC, 165 mA @ 24V DC
Full scale analog ranges	Voltage: 0...10.5V DC, Current: 0...21 mA
Repeatability	-0.12 to 0.12%
Input and output group to system isolation	30V AC/30V DC rated working voltage (IEC Class 2 reinforced insulation) type test: 500V AC or 707V DC for 1 minute

## Construction

Height	90 mm
Width	40 mm
Depth	87 mm

Recommended cable	Belden 8761 (shielded), (For 1762-IT4, shielded thermocouple extension wire for the specific type of thermocouple you are using. Follow thermocouple manufacturer's recommendations.)
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Mechanical

Weight	Shipping: 235 g (0.517 lbs.) approximately (with cartoon)
Vibration	Operating: 5 g @ 10...500 Hz, 0.030 in. max. peak-to-peak
Shock	Operating: 30 g

Common Specifications

Hazardous environment class	Hazardous Location, Class I, Division 2 Groups A, B, C, D (UL 1604, C-UL under CSA C22.2 No. 213)
Radiated and conducted emissions	EN50081-2: Class A

Documentation

For all available documentation, please see the [literature results](#).



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