

I-9024

4 Channel Isolated Voltage/Current Output Module

Features

- 4 Channel Voltage/Current Output
- Sink Current Output Wiring
- Individual Channel Configuration
- 4 kV ESD Protection
- 3000 VDC Intra-module Isolation

Introduction

The I-9024 is a 14-bit analog output module, which off ers 4 single-ended analog output channels. Every channel can be programmed to an individual output range of ±10 V or 0 ~ +20 mA. The I-9024 provides RF immunity level matching that defined by IEC 61000-4-3 standard, together with 4 kV ESD protection as well as 3000 VDC intra-module isolation.

Application

- Building Automation
- Factory Automation
- Machine Automation
- Remote Maintenance
- Remote Diagnosis
- Testing Equipment

System Specifications

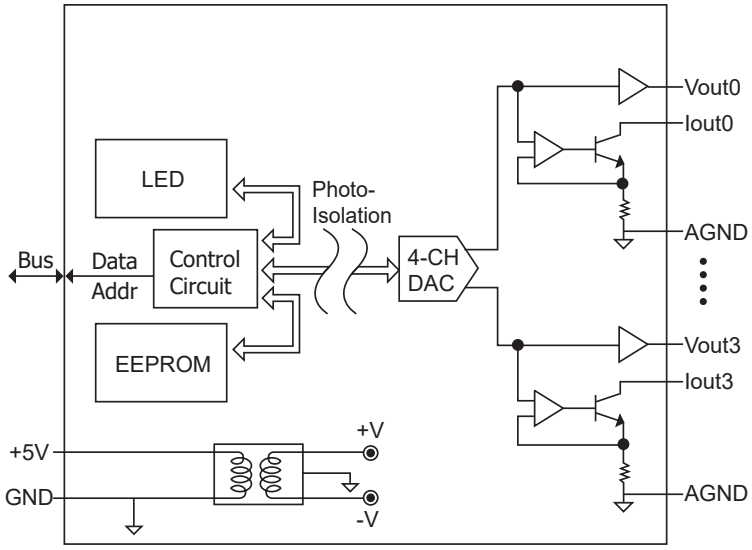
LED Display	
System LED Indicator	1 LED as Power Indicator
Isolation	
Intra-module Isolation, Field-to-Logic	3000 VDC
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal ±8 kV Air for Random Point
Power	
Consumption	2 W Max.
Mechanical	
Dimensions (W x L x H)	31 mm x 134 mm x 144 mm
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Humidity	10 ~ 90 % RH, Non-condensing

I/O Specifications

Analog Output		
Channels		4
Current Output Wiring		Sink
Resolution		14-bit
Range		±10 V, 0 ~ +20 mA
Accuracy	Voltage	±0.1 % of FSR
	Current	±0.2 % of FSR
Zero Drift	Voltage	±30 µV/ °C
	Current	±0.2 µA/ °C
Span Drift		±20 ppm/°C
Readback Accuracy		±1% of FSR
Voltage Output Capability		10 V @ 20 mA
Current Load Resistance		External +24 V: 1050 Ω

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Internal I/O Structure

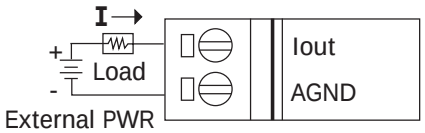


Wire Connections

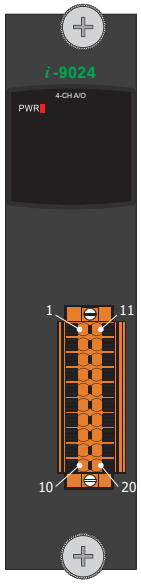
Voltage Output Wiring



Current Output Wiring

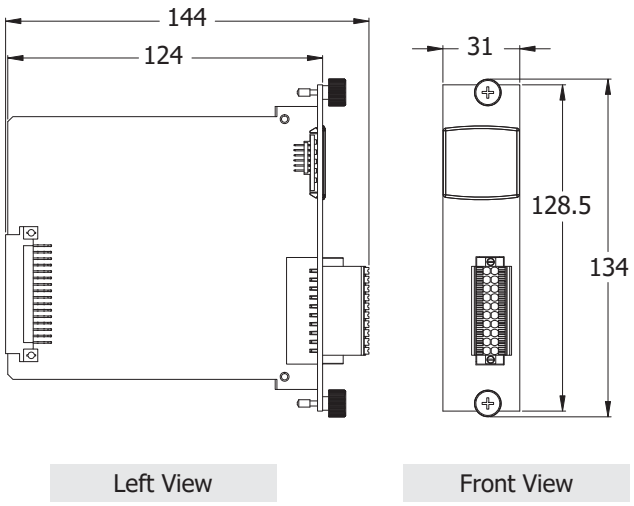


Pin Assignments



Pin Assignment	Terminal No.		Pin Assignment
VO0	01	11	I0
AGND	02	12	AGND
VO1	03	13	I1
AGND	04	14	AGND
VO2	05	15	I2
AGND	06	16	AGND
VO3	07	17	I3
AGND	08	18	AGND
-	09	19	-
F.G	10	20	F.G

Dimensions (Units: mm)



Ordering Information

I-9024 CR	4-channel Isolated Analog Output Module (RoHS)

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