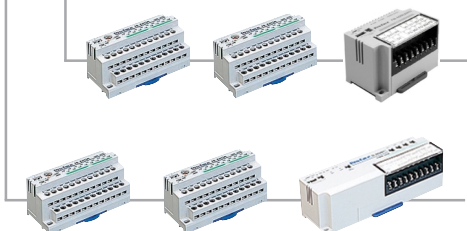




200 meters distance per flex network channel



Note: Picture above represents sample connection layout.

Flex Network Analog I/O

Mix and Match I/O Modules

- Compatible with GLC2000 models.
- Compatible with GLC150 (LT type B, B+, C) models with Flex Network Interface.
- Ideal for Distributed I/O applications.
- Remote mounted up to 200 meters from GLC controller.
- 0 to 5V DC, 0 to 10V DC, +/-5V DC, +/-10V DC I/O support.
- 4-20mA, 0-20mA process I/O support
- Supported by GP-PRO 03 Software.

FEATURES

- 2 and 4 Channel Modules
- 24V DC powered
- Discrete I/O Modules Available
- 35mm Din Rail Mounted
- High Speed Twisted Pair Network
- Simplifies Machine I/O Wiring Design

ANALOG I/O MODULE SELECTION

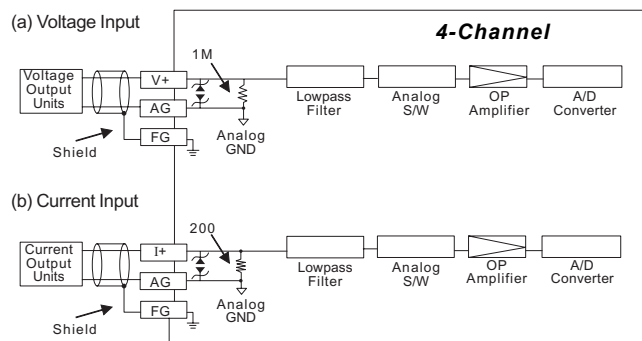
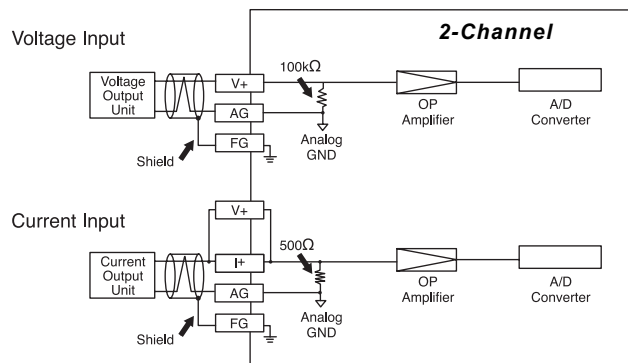
INPUTS



FN-AD02AH41
2-Channel Analog Input
0-10VDC, 0-20ma, 4-20ma



FN-AD04AH11
4-Channel Analog Input
0-10VDC, +/-10VDC, 0-20ma, 4-20ma



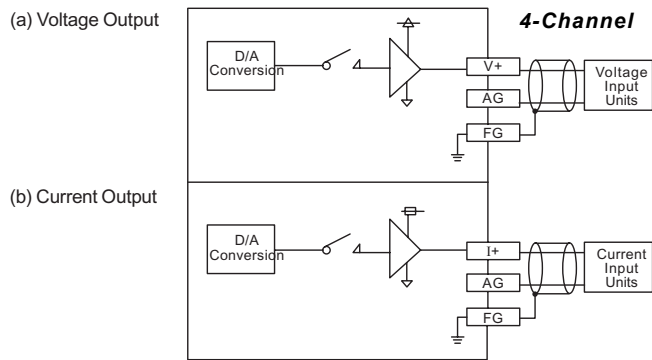
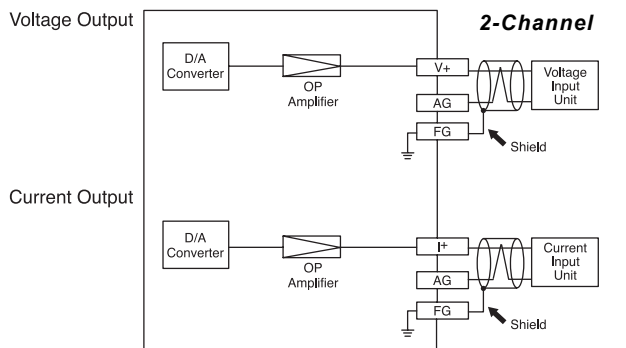
OUTPUTS



FN-DA02AH41
2-Channel Analog Output
0-10VDC, 0-20ma, 4-20ma



FN-DA04AH11
4-Channel Analog Output
0-10VDC, +/-10VDC, 0-20ma, 4-20ma



FLEX NETWORK GENERAL SPECIFICATIONS

MODEL	FN-AD02AH41	FN-AD04AH11	FN-DA02AH41	FN-DA04AH11
Input/Output Type	2-Channel Analog INPUT	4-Channel Analog INPUT	2-Channel Analog OUTPUT	4-Channel Analog OUTPUT
Rated Voltage	24VDC	24VDC	24VDC	24VDC
Voltage Range	20.4VDC to 28.8VDC	20.4VDC to 28.8VDC	20.4VDC to 28.8VDC	20.4VDC to 28.8VDC
Power Consumption	2.4W or less	Under 4.8W	2.4W or less	Under 7.2W
Operating Temperature	0°C to 55°C	0°C to 55°C	0°C to 55°C	0°C to 55°C
Storage Temperature	-25°C to 70°C	-25°C to 70°C	-25°C to 70°C	-25°C to 70°C
Ambient Humidity	30% RH to 95% RH (non-condensing) Level RH-1	30% RH to 95% RH (non-condensing) Level RH-1	30% RH to 95% RH (non-condensing) Level RH-1	30% RH to 95% RH (non-condensing) Level RH-1
Dust	0.1 mg/m ³ or less (non-conductive levels)	0.1 mg/m ³ or less (non-conductive levels)	0.1 mg/m ³ or less (non-conductive levels)	0.1 mg/m ³ or less (non-conductive levels)
Surge Immunity	AC 1000V, 10mA, 1 minute between Input/Output and FG terminals	AC 1500V, 10mA, 1 minute between Input/Output and FG terminals	AC 1000V, 10mA, 1 minute between Input/Output and FG terminals	AC 1500V, 10mA, 1 minute between Input/Output and FG terminals
Electrostatic Discharge Immunity	Contact discharge of 6kV (IEC 61000-4-2 Level 3)	Contact discharge of 6kV (IEC 61000-4-2 Level 3)	Contact discharge of 6kV (IEC 61000-4-2 Level 3)	Contact discharge of 6kV (IEC 61000-4-2 Level 3)
Installation Method	Using 35mm DIN rail or screws	Using 35mm DIN rail or screws	Using 35mm DIN rail or screws	Using 35mm DIN rail or screws
Weight	Less than 0.15kg (0.33lb)	Max 0.35kg (0.77 lb)	Less than 0.15kg (0.33lb)	Max 0.35kg (0.77 lb)
External Dimensions	W85mm x H50mm x D50mm (3.35in) x (1.97in) x (1.97in)	W168mm x H50mm x D50mm (6.61in) x (1.97in) x (1.97in)	W85mm x H50mm x D50mm (3.35in) x (1.97in) x (1.97in)	W168mm x H50mm x D50mm (6.61in) x (1.97in) x (1.97in)
Certifications	CE Marking (EN55011 class A, EN61000-6-2), UL / cUL (Class 1, Div 2)	CE Marking (EN55011 class A, EN61000-6-2), UL / cUL (Class 1, Div 2)	CE Marking (EN55011 class A, EN61000-6-2), UL / cUL (Class 1, Div 2)	CE Marking (EN55011 class A, EN61000-6-2), UL / cUL (Class 1, Div 2)
Resolution	12 bit	12 bit	12 bit	12 bit
Isolation	Photo coupler between Input and internal circuit	Photo coupler between Input and internal circuit	Photo coupler between Output and internal circuit	Photo coupler between Output and internal circuit
Conversion Time	2ms Continual conversion of all Channels	2ms Continual conversion of all channels	2ms Continual conversion of all channels	2ms Continual conversion of all channels
Input/Output Range	0 to 10V 0 to 20mA (impedance 500Ω) 4 to 20mA (impedance 500Ω)	0 to 5V 1 to 5V 1 to 10V -5 to 5V -10 to 10V 0 to 20mA (impedance 200Ω) 4 to 20mA (impedance 200Ω)	0 to 10V 0 to 20mA (impedance 10Ω to 500Ω) 4 to 20mA (impedance 10Ω to 500Ω)	0 to 5V 1 to 5V 1 to 10V -5 to 5V -10 to 10V 0 to 20mA (impedance 200Ω) 4 to 20mA (impedance 200Ω)
Input/Output Range Selection	Depends on software settings and screw terminal connection	Set by rotary switch	Depends on software settings and screw terminal connection	Set by rotary switch
Accuracy	+/-1%/FS(0°C to 55°C)	0.3%/FS(25°C);0.5%/FS(0-55°C)	+/-1%/FS(0°C to 55°C)	0.3%/FS(25°C);0.5%/FS(0-55°C)

ORDERING INFORMATION

PART NUMBER

FN-AD02AH41

FN-AD04AH11

FN-DA02AH41

FN-DA04AH11

DESCRIPTION

2-Channel Analog Input, 0-10VDC, 0-20mA, 4-20mA (CE/UL/cUL)

4-Channel Analog Input, 0-10VDC, +/-10VDC, 0-20mA, 4-20mA

2-Channel Analog Output, 0-10VDC, 0-20mA, 4-20mA (CE/UL/cUL)

4-Channel Analog Output, 0-10VDC, +/-10VDC, 0-20mA, 4-20mA

OPTIONAL ACCESSORIES

FN-CABLE-2010-31-MS

10m Flex Network Cable

FN-CABLE-2050-31-MS

50m Flex Network Cable

FN-CABLE-2200-31-MS

200m Flex Network Cable

Xycom Automation, Inc.
a Pro-face America Company
734-429-4971
Fax: 734-429-1010
<http://www.xycom.com>

Customer Support Hotline:
734-944-0482



© 2005 Xycom Automation, Inc. Is a wholly owned subsidiary of Pro-face America, Inc. Specifications may change without notice. Xycom Automation is a trademark of Xycom Automation. Other brand or product names are the property of their respective owners.



California Proposition 65 Warning—Lead and Lead Compounds

Advertencia de la Proposición 65 de California—Plomo y compuestos de plomo

Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

⚠ WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov.

⚠ ADVERTENCIA: Este producto puede exponerle a químicos incluyendo plomo y compuestos de plomo, que es (son) conocido(s) por el Estado de California como causante(s) de cáncer y defectos de nacimiento u otros daños reproductivos. Para mayor información, visite : www.P65Warnings.ca.gov.

⚠ AVERTISSEMENT: Ce produit peut vous exposer à des agents chimiques, y compris plomb et composés de plomb, identifiés par l'État de Californie comme pouvant causer le cancer et des malformations congénitales ou autres troubles de l'appareil reproducteur. Pour de plus amples informations, prière de consulter: www.P65Warnings.ca.gov.

All trademarks are the property of Schneider Electric SE, its subsidiaries, and affiliated companies.

Schneider Electric USA, Inc.
800 Federal Street
Andover, MA 01810 USA
888-778-2733
www.schneider-electric.us

Todas las marcas comerciales son propiedad de Schneider Electric SE, sus filiales y compañías afiliadas.

Importado en México por:
Schneider Electric México, S.A. de C.V.
Av. Ejercito Nacional No. 904
Col. Palmas, Polanco 11560 México, D.F.
55-5804-5000
www.schneider-electric.com.mx

Toutes les marques commerciales sont la propriété de Schneider Electric SE, ses filiales et compagnies affiliées.

Schneider Electric Canada, Inc.
5985 McLaughlin Road
Mississauga, ON L5R 1B8 Canada
800-565-6699
www.schneider-electric.ca