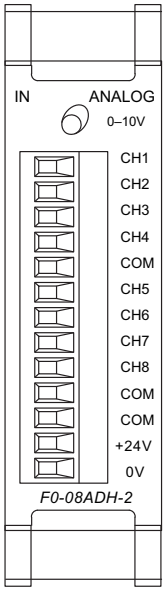
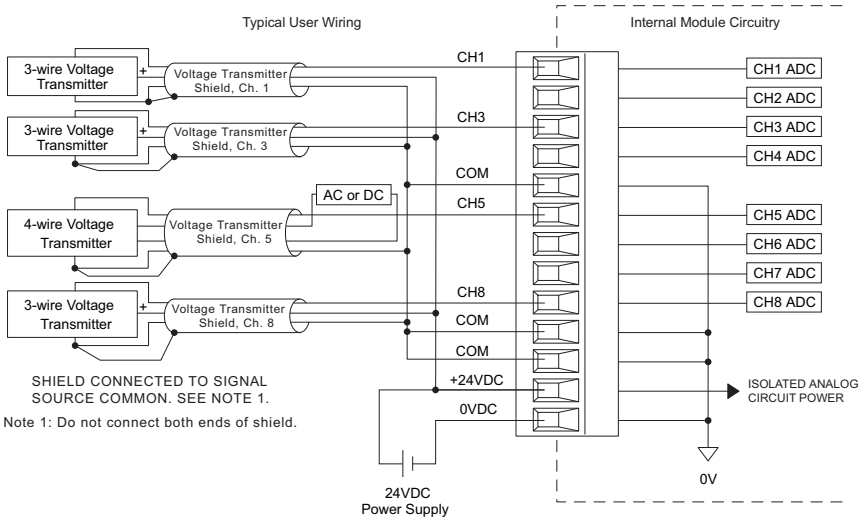
F0-08ADH-2 <--->

8-channel analog voltage input module, high resolution

Input Specifications	
Number of Channels	8
Input Range	0-5VDC or 0-10VDC (Jumper select)
Resolution	16-bit, 76µV/bit or 152µV/bit
Input Type	Single Ended (one common)
Maximum Cont. Overload	±100V
Input Impedance	>200k ohms
Filter Characteristics	Low pass, -3dB @ 60Hz
PLC Data Format	16-bit, Unsigned Int., 0–FFFF (binary) or 0–65535 (BCD) (Both require 2 words of V-memory)
Sample Duration Time	10.2 ms
All Channel Update Rate	81.6 ms
Conversion Method	Successive Approximation
Accuracy vs. Temperature	±50PPM / °C Maximum
Maximum Inaccuracy	0.2% of range (including temp. drift)
Linearity Error (End to End)	±10 count max. Monotonic with no missing codes
Input Stability and Repeatability	±10 count (after 10 min. warm up)
Full Scale Calibration Error (including Offset)	±10 counts max.
Offset Calibration Error	±10 count max.
Maximum Crosstalk at DC, 50 Hz and 60 Hz	±10 count max.
External 24VDC Power Required	25mA
Base Power Required (5.0V)	25mA





CPU	Firmware Required	DirectSOFT Required
DL05	Version 5.20 or later	DirectSOFT32 Version 3.0c or later
DL06	Version 2.30 or later	DirectSOFT32 Version 4.0, Build 16 or later

See page 2-68 for part numbers of *ZIP*Link cables and connection modules compatible with this I/O module.

Wiring System for DL05/06 PLCs

Cut PLC wiring time to minutes instead of hours

The *ZIP*Link wiring system eliminates the normally tedious process of wiring PLC I/O to terminal blocks. Simply plug one end of a *ZIP*Link pre-wired terminal block cable into your I/O module and the other end into a ZIPLink connector module. It's that easy. *ZIP*Links use half the space, at a fraction of the total cost of terminal blocks.

*ZIP*Links are available in a variety of styles to suit your needs, including fused, relay and sensor/LED connector modules. *ZIP*Links are available for all DL05/06 Series PLC discrete and analog input and output modules.

For complete information see *ZIP*Links in the Terminal Blocks and Wiring Solutions section.

Specify your *ZIP*Link system

Use the Compatibility Matrix table below:

Step 1	Locate the I/O Module part number.
Step 2	Locate Connector Module Type. (Feedthrough Module, Fuse Module, etc...)
Step 3	Select the cable length by replacing the # symbol with: Blank = 0.5m, -1 = 1m, -2 = 2m[1]

[1] ***Note: Cable part number denotes compatibility between Connector Module and I/O Modules.***

ZIPLink Wiring System Compatibility Matrix for DL05/06 PLCs

Step 2: Connector Module Type		***Feedthrough Modules***	***Fuse Modules***	***Relay Modules***	***Sensor Input Modules***	***Pigtail Cable***
Step 1: I/O Module	***Number of Terminals***	ZL-RTB20	ZL-RFU20	ZL-RRL16-24	ZL-LTB16-24	
		Step 3: Cables				
Inputs						
D0-10ND3	13	ZL-D0-CBL13#				
D0-10ND3F	13	ZL-D0-CBL13#				
D0-16ND3	24	ZL-D0-CBL24#L			ZL-D0-CBL24#L	ZL-D0-CBL24#P
F0-08NA-1	10	ZL-D0-CBL10#				
Outputs						
D0-10TD1	13	ZL-D0-CBL13#				
D0-16TD1	24	ZL-D0-CBL24#	ZL-D0-CBL24#	ZL-D0-CBL24#		ZL-D0-CBL24#P
D0-10TD2	13	ZL-D0-CBL13#				
D0-16TD2	24	ZL-D0-CBL24#	ZL-D0-CBL24#			ZL-D0-CBL24#P
D0-08TR	10	ZL-D0-CBL10#				
F0-04TRS*	13	ZL-D0-CBL13#				
Combo In/Out						
D0-07CDR	10	ZL-D0-CBL10#				
D0-08CDD1	13	ZL-D0-CBL13#				
Analog						
F0-04AD-1	8	ZL-D0-CBL8#				
F0-04AD-2	8	ZL-D0-CBL8#				
F0-08ADH-1	13	ZL-D0-CBL13#				
F0-08ADH-2	13	ZL-D0-CBL13#				
F0-04DAH-1	13	ZL-D0-CBL13#				
F0-08DAH-1	13	ZL-D0-CBL13#				
F0-04DAH-2	13	ZL-D0-CBL13#				
F0-08DAH-2	13	ZL-D0-CBL13#				
F0-2AD2DA-2	8	ZL-D0-CBL8#				
F0-4AD2DA-1	8	ZL-D0-CBL8#				
F0-4AD2DA-2	8	ZL-D0-CBL8#				
F0-04RTD*						
F0-04THM*						

I/O Module

**** Caution: The F0-04TRS relay outputs are derated not to exceed 2 Amps per point when used with the ZIPLink wiring system.***

***** The F2-04RTD and F2-04THM modules are not supported by the ZIPLink wiring system. These modules require wire specific to the signal type.***

ZIPLink Connector Modules specifications begin on page 26-56

ZIPLink Cables specifications begin on page 26-74