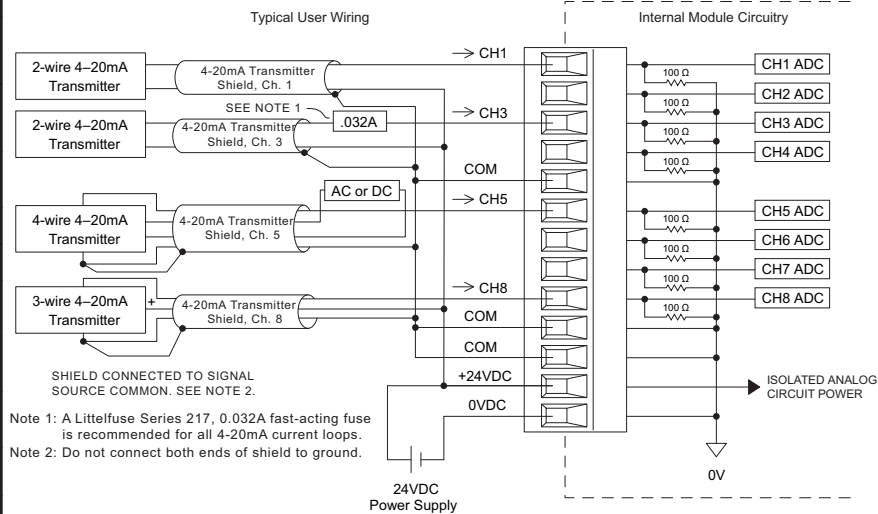
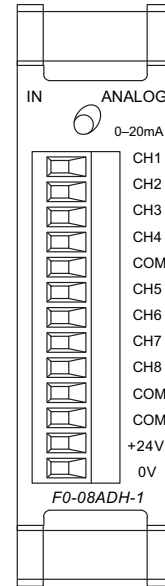


# DL05/06 Option Modules

## F0-08ADH-1 <--->

8-channel analog current input module, high resolution

Input Specifications	
<b>Number of Channels</b>	8
<b>Input Range</b>	0-20mA
<b>Resolution</b>	16-bit, .305µA/bit
<b>Input Type</b>	Single Ended (one common)
<b>Maximum Cont. Overload</b>	±31mA
<b>Input Impedance</b>	100 ohms, 1/10W, current input
<b>Filter Characteristics</b>	Low pass, -3dB @ 60Hz
<b>PLC Data Format</b>	16-bit, Unsigned Int., 0-FFFF (binary) or 0-65535 (BCD) (Both require 2 words of V-memory)
<b>Sample Duration Time</b>	10.2ms (time to 95% of full step change / channel)
<b>All Channel Update Rate</b>	81.6ms (10.2ms x 8 ch.)
<b>Open Circuit Detection Time</b>	Zero reading within 1s
<b>Conversion Method</b>	Successive Approximation
<b>Accuracy vs. Temperature</b>	±50PPM/°C Max.
<b>Maximum Inaccuracy</b>	0.2% of range (including temp. changes)
<b>Linearity Error (End to End)</b>	±10 count max.; Monotonic with no missing codes
<b>Input Stability and Repeatability</b>	±10 count max.
<b>Full Scale Calibration Error</b>	±10 count max.
<b>Offset Calibration Error</b>	±10 count max.
<b>Maximum Crosstalk at DC, 50 Hz and 60 Hz</b>	±10 count max.
<b>External 24VDC Power Required</b>	25mA
<b>Base Power Required (5.0V)</b>	25mA
<b>Terminal Type (Included)</b>	Removable: D0-ACC-4
<b>Recommended Fuse</b>	Littelfuse Series 217, .032A fuse



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 ZIPLink cables and connection modules compatible with this I/O module.

## Cut PLC wiring time to minutes instead of hours

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

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

For complete information see ZIPLinks in the Terminal Blocks and Wiring Solutions section.



## Specify your ZIPLink system

Use the Compatibility Matrix table below:

<b>Step 1</b>	Locate the I/O Module part number.
<b>Step 2</b>	Locate Connector Module Type. (Feedthrough Module, Fuse Module, etc...)
<b>Step 3</b>	Select the cable length by replacing the # symbol with: Blank = 0.5m, -1 = 1m, -2 = 2m <sup>1</sup>
<sup>1</sup> 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	Step 3: Cables				
<b>Inputs</b>						
<b>DO-10ND3</b>	13	ZL-D0-CBL13#				
<b>DO-10ND3F</b>	13	ZL-D0-CBL13#				
<b>DO-16ND3</b>	24	ZL-D0-CBL24#L			ZL-D0-CBL24#L	ZL-D0-CBL24#P
<b>FO-08NA-1</b>	10	ZL-D0-CBL10#				
<b>Outputs</b>						
<b>DO-10TD1</b>	13	ZL-D0-CBL13#				
<b>DO-16TD1</b>	24	ZL-D0-CBL24#	ZL-D0-CBL24#	ZL-D0-CBL24#		ZL-D0-CBL24#P
<b>DO-10TD2</b>	13	ZL-D0-CBL13#				
<b>DO-16TD2</b>	24	ZL-D0-CBL24#	ZL-D0-CBL24#			ZL-D0-CBL24#P
<b>DO-08TR</b>	10	ZL-D0-CBL10#				
<b>FO-04TRS*</b>	13	ZL-D0-CBL13#				
<b>Combo In/Out</b>						
<b>DO-07CDR</b>	10	ZL-D0-CBL10#				
<b>DO-08CDD1</b>	13	ZL-D0-CBL13#				
<b>Analog</b>						
<b>FO-04AD-1</b>	8	ZL-D0-CBL8#				
<b>FO-04AD-2</b>	8	ZL-D0-CBL8#				
<b>FO-08ADH-1</b>	13	ZL-D0-CBL13#				
<b>FO-08ADH-2</b>	13	ZL-D0-CBL13#				
<b>FO-04DAH-1</b>	13	ZL-D0-CBL13#				
<b>FO-08DAH-1</b>	13	ZL-D0-CBL13#				
<b>FO-04DAH-2</b>	13	ZL-D0-CBL13#				
<b>FO-08DAH-2</b>	13	ZL-D0-CBL13#				
<b>FO-2AD2DA-2</b>	8	ZL-D0-CBL8#				
<b>FO-4AD2DA-1</b>	8	ZL-D0-CBL8#				
<b>FO-4AD2DA-2</b>	8	ZL-D0-CBL8#				
<b>FO-04RTD**</b>						
<b>FO-04THM**</b>						

\* Caution: The FO-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