

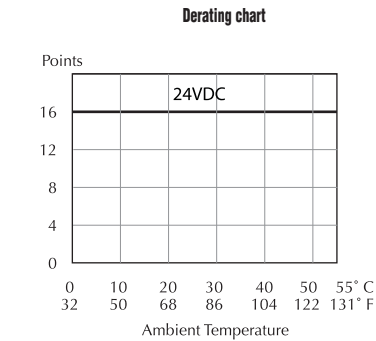
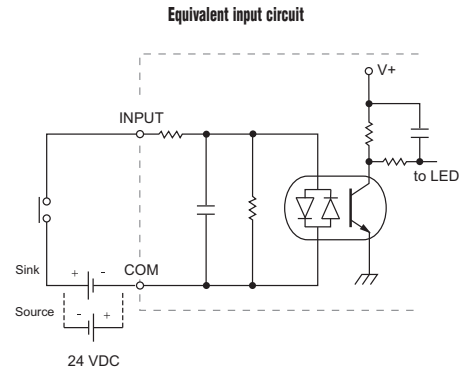
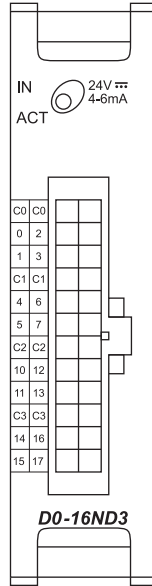
# DL05/06 I/O Option Modules

## D0-16ND3



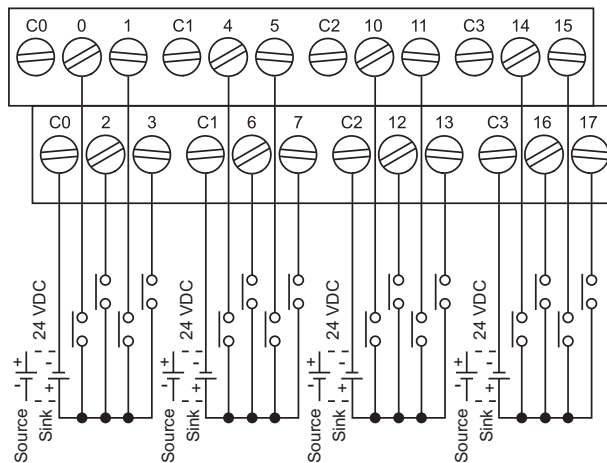
### 16-point DC input module

D0-16ND3 Input Specifications	
<b>Number of Inputs</b>	16 (sink/source)
<b>Input Voltage Range</b>	20-28VDC
<b>Peak Voltage</b>	30.0VDC
<b>Input Current</b>	Typical: 4.0mA @ 24VDC
<b>Maximum Input Current</b>	6mA @ 28VDC
<b>Input Impedance</b>	4.7KΩ @ 24VDC
<b>On Voltage Level</b>	> 19.0 VDC
<b>Off Voltage Level</b>	< 7.0 VDC
<b>Minimum ON Current</b>	3.5mA
<b>Minimum OFF Current</b>	1.5mA
<b>Off to On Response</b>	2-8ms, Typ. 4ms
<b>On to Off Response</b>	2-8ms, Typ. 4ms
<b>Status Indicators</b>	Module activity: one green LED
<b>Commons</b>	4 (4pts/common) isolated
<b>Fuse</b>	No fuse
<b>Connector Type</b>	24-pin Molex 43025-2400 (See ZIPLinks for wiring options)
<b>Base Power Required</b>	Typical. 35mA (all pts. on)



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

#### Wiring for ZL-CM056



For "Sinking and Sourcing Concepts", see the Appendix section in this catalog.

## 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