

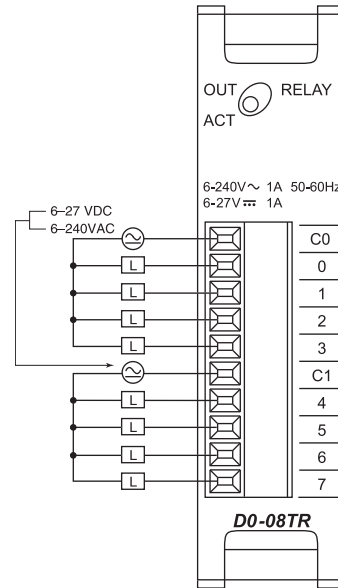
# DL05/06 I/O Option Modules

## D0-08TR



### 8-point relay output module

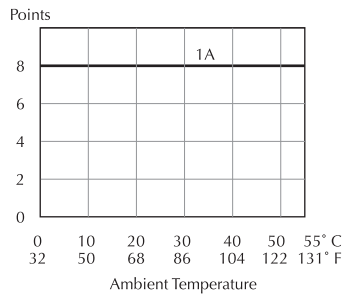
D0-07CDR Output Specifications	
<b>Number of Outputs</b>	8
<b>Output Voltage Range</b>	6-27VDC/6-240VAC
<b>Output Type</b>	Relay, form A (SPST)
<b>Peak Voltage</b>	30.0VDC/264VAC
<b>Maximum Current (resist.)</b>	1A/point, 4A/common
<b>Minimum Load Current</b>	5mA @ 5VDC
<b>Maximum Leakage Current</b>	0.1mA @ 264VAC
<b>On Voltage Drop</b>	N/A
<b>Maximum Inrush Current</b>	Output: 3A for 10ms Common: 10A for 10ms
<b>Off to On Response</b>	< 15ms
<b>On to Off Response</b>	< 10ms
<b>Status Indicators</b>	Module activity: one green LED
<b>Commons</b>	2 isolated (4 points/common)
<b>Fuse</b>	No fuse
<b>Terminal Type (Included)</b>	Removable: D0-ACC-4
<b>Base Power Required (5V)</b>	Max. 280mA (all pts. on)



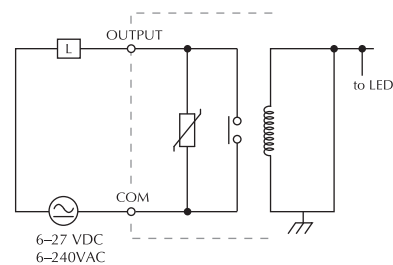
See page 2-68 for part numbers of ZIPLink cables and connection modules compatible with this I/O module.

**Note:** When used with the ZIPLink wiring system, relay outputs are derated not to exceed 2 Amps per point max.

Derating chart



Equivalent output circuit



Typical Relay Life (Operations) at Room Temperature	
Voltage and Type of Load	Load Current 1A
24 VDC Resistive	500K
24 VDC Solenoid	100K
110 VAC Resistive	500K
110 VAC Solenoid	200K
220 VAC Resistive	350K
220 VAC Solenoid	100K

## 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