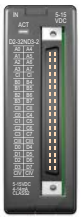
Discrete I/O Modules

The Do-more H2 Series PLC supports all discrete I/O modules available for the DL205 PLC.


D2-08ND3


D2-16ND3-2


D2-32ND3


D2-32ND3-2


D2-08NA-1


D2-08NA-2


D2-16NA

Discrete Input Modules

Part Number	Number of Inputs	Description	Price
D2-08ND3	8	Sinking/Sourcing DC Input	$81.00
D2-16ND3-2	16	Sinking /Sourcing DC Input	$137.00
D2-32ND3	32	Sinking /Sourcing DC Input	$190.00
D2-32ND3-2	32	Sinking /Sourcing DC Input	$190.00
D2-08NA-1	8	AC input	$116.00
D2-08NA-2	8	AC input	$148.00
D2-16NA	16	AC input	$204.00


D2-04TD1


D2-08TD1


D2-08TD2


D2-16TD1-2


D2-16TD2-2


F2-16TD1P


F2-16TD2P


D2-32TD1


D2-32TD2


F2-08TA


D2-08TA


D2-12TA


D2-04TRS


D2-08TR


F2-08TR


F2-08TRS


D2-12TR

Discrete Output Modules

External Id	Number of Outputs	Description	Price
D2-04TD1	4	Sinking Output	$103.00
D2-08TD1	8	Sinking Output	$87.00
D2-08TD2	8	Sourcing Output	$86.00
D2-16TD1-2	16	Sinking Output	$152.00
D2-16TD2-2	16	Sourcing Output	$152.00
F2-16TD1P	16	Protected Sinking Output	$162.00
F2-16TD2P	16	Protected Sourcing Output	$163.00
D2-32TD1	32	Sinking Output	$193.00
D2-32TD2	32	Sourcing Output	$193.00
F2-08TA	8	AC Output	$208.00
D2-08TA	8	AC Output	$165.00
D2-12TA	12	AC Output	$204.00
D2-04TRS	4	Isolated Relay Output	$104.00
D2-08TR	8	Relay Output	$104.00
F2-08TR	8	Relay Output	$135.00
F2-08TRS	8	Isolated Relay Output	$182.00
D2-12TR	12	Relay Output	$166.00


D2-08CDR

Discrete Input/Output Modules

Part Number	Number of Channels	Description	Price
D2-08CDR	4/4	Sinking/Sourcing DC Input with Relay Output	$100.00

For more detailed specifications and wiring diagrams, please refer to the DL205 PLC section in this catalog.

Discrete I/O Modules

The following table may be helpful for you to select the right modules for your application.

Discrete Input Modules					
Input Type	Specification	Number of Input Points per Module			
		4	*8*	*16*	*32*
DC (Sinking/Sourcing)	4.5–15.6 VDC				D2-32ND3-2
	10.2–26.4 VDC		D2-08ND3		
	20–28 VDC	D2-08CDR[1]		D2-16ND3-2	D2-32ND3
AC	80–132 VAC		D2-08NA-1	D2-16NA	
	170–265 VAC		D2-08NA-2		

Note 1: D2-08CDR is a combo I/O module that has four discrete input and four discrete output points.

Discrete Output Modules						
Output Type	Specification	Number of Output Points per Module				
		4	*8*	*12*	*16*	*32*
DC (Sinking)	4A @ 10.2–26.4 VDC	D2-04TD1				
	0.3A @ 10.2–26.4 VDC		D2-08TD1			
	0.25A @ 10.2–26.4 VDC				F2-16TD1P	
	0.1A @ 10.2–26.4 VDC				D2-16TD1-2	
	0.1A @ 12–24 VDC					D2-32TD1
DC (Sourcing)	0.3A @ 10.8–26.4 VDC		D2-08TD2			
	0.25A @ 10.2–26.4 VDC				F2-16TD2P	
	0.1A @ 10.2–26.4 VDC				D2-16TD2-2	
	0.1A @ 12–24 VDC					D2-32TD2
AC (SSR)	1.5A @ 24–140 VAC		F2-08TA			
	0.5A @ 15–264 VAC		D2-08TA			
	0.3A @ 15–132 VAC			D2-12TA		
DC/AC (Relay)	10A @ 12–28 VDC / 12–250 VAC		F2-08TR			
	7A @ 12–28 VDC / 12–250 VAC		F2-08TRS			
	4A @ 5–30 VDC / 5–240 VAC	D2-04TRS				
	1.5 @ 5–30 VDC / 5–240 VAC			D2-12TR		
	1A @ 5–30 VDC / 5–240 VAC	D2-08CDR[1]	D2-08TR			

Note 1: D2-08CDR is a combo I/O module that has four discrete input and four discrete output points.

For more detailed specifications and wiring diagrams, please refer to the DL205 PLC section in this catalog.

Do-more H2 Series PLC Overview

Module Compatibility

The following table shows which DL205 components are supported by the H2-DM1 and H2-DM1E Do-more CPUs.

Module Compatibility Table					
Module	**Part Number**	**Status**	**Module**	**Part Number**	**Status**
Base Units	D2-03B-1	✓	Analog I/O Modules	D2-03B-1	✓
	D2-04B-1	✓		D2-04B-1	✓
	D2-06B-1	✓		D2-06B-1	✓
	D2-09B-1	✓		D2-09B-1	✓
	D2-03BDC1-1	✓		D2-03BDC1-1	✓
	D2-04BDC1-1	✓		D2-04BDC1-1	✓
	D2-06BDC1-1	✓			
	D2-09BDC1-1	✓		D2-09BDC1-1	✓
	D2-06BDC2-1	✓		D2-06BDC2-1	✓
	D2-09BDC2-1	✓		D2-09BDC2-1	✓
Discrete I/O Modules	D2-08ND3	✓		D2-08ND3	✓
	D2-16ND3-2	✓		D2-16ND3-2	✓
	D2-32ND3	✓		D2-32ND3	✓
	D2-32ND3-2	✓		D2-32ND3-2	✓
	D2-08NA-1	✓		D2-08NA-1	✓
	D2-08NA-2	✓	Local Expansion Modules	D2-08NA-2	No
	D2-16NA	✓		D2-16NA	No
	D2-04TD1	✓	Specialty Modules	D2-04TD1	✓
	D2-08TD1	✓			
	D2-08TD2	✓		D2-08TD2	No
	D2-16TD1-2	✓		D2-16TD1-2	
	D2-16TD2-2	✓		D2-16TD2-2	✓
	F2-16TD1P	✓			
	F2-16TD2P	✓		F2-16TD2P	No
	D2-32TD1	✓		D2-32TD1	✓
	D2-32TD2	✓			
	D2-08TA	✓		D2-08TA	✓
	F2-08TA	✓		F2-08TA	✓
	D2-12TA	✓		D2-12TA	No
	D2-04TRS	✓		D2-04TRS	✓
	D2-08TR	✓		D2-08TR	No
	F2-08TR	✓		F2-08TR	✓
	F2-08TRS	✓			
	D2-12TR	✓	Programmer	D2-12TR	No
	D2-08CDR	✓		D2-08CDR	

✓ = Supported No = Not Supported

Do-more H2 Series PLC Overview

Communications

The Do-more H2 Series PLC supports many communication protocols. The following table shows which CPU module communications port or specialty module supports each protocol.

Protocols	CPU Modules			Specialty Modules		
	H2-DM1 / H2-DM1E		H2-DM1E	H2-ECOM100	H2-SERIO H2-SERIO-4	H2-ERM100
	USB Port	RS-232 Serial Port	Ethernet Port			
Do-more Designer Programming	Yes	Yes	Yes	Yes	Yes	
Modbus/RTU Client (Master)		Yes			Yes	
Modbus/RTU Server (Slave)		Yes			Yes	
Modbus/TCP Client (Master)			Yes	Yes		
Modbus/TCP Server (Slave)			Yes	Yes		
DirectLOGIC RX/WX Client (Master)			Yes	Yes		
DirectLOGIC RX/WX Server (Slave)			Yes	Yes		
K-Sequence Server (Slave)		Yes		Yes	Yes	
DirectNET Server (Slave)				Yes		
Embedded Web Server: HTTP (unsecure)				Yes		Yes
Ethernet: HTML (unsecure) configuration				Yes		Yes
HEI Ethernet Remote I/O Master			Yes			Yes
SMTP (EMail) Client w/Authentication			Yes			
Simple Network Time Protocol (SNTP) Client			Yes			
Do-more/PEERLINK			Yes			
Do-more Time Synchronization Protocol (Client, Server, Alternate Client)			Yes			
Do-more Logger/UDP			Yes			
Serial ad-hoc ASCII/Binary Programatic Control		Yes			Yes	
UDP ad-hoc Programmatic Control			Yes			
TCP Client Programmatic Control			Yes			
TCP Server Programmatic Control			Yes			

Blank = Not Supported