

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****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****D2-08CDR**

Discrete Input Modules

Part Number	Number of Inputs	Description	Price
<u>D2-08ND3</u>	8	Sinking/Sourcing DC Input	\$81.00
<u>D2-16ND3-2</u>	16	Sinking /Sourcing DC Input	\$150.00
<u>D2-32ND3</u>	32	Sinking /Sourcing DC Input	\$187.00
<u>D2-32ND3-2</u>	32	Sinking /Sourcing DC Input	\$182.00
<u>D2-08NA-1</u>	8	AC input	\$111.00
<u>D2-08NA-2</u>	8	AC input	\$142.00
<u>D2-16NA</u>	16	AC input	\$196.00

Discrete Output Modules

External Id	Number of Outputs	Description	Price
<u>D2-04TD1</u>	4	Sinking Output	\$107.00
<u>D2-08TD1</u>	8	Sinking Output	\$98.00
<u>D2-08TD2</u>	8	Sourcing Output	\$99.00
<u>D2-16TD1-2</u>	16	Sinking Output	\$174.00
<u>D2-16TD2-2</u>	16	Sourcing Output	\$156.00
<u>F2-16TD1P</u>	16	Protected Sinking Output	\$162.00
<u>F2-16TD2P</u>	16	Protected Sourcing Output	\$163.00
<u>D2-32TD1</u>	32	Sinking Output	\$185.00
<u>D2-32TD2</u>	32	Sourcing Output	\$185.00
<u>F2-08TA</u>	8	AC Output	\$208.00
<u>D2-08TA</u>	8	AC Output	\$197.00
<u>D2-12TA</u>	12	AC Output	\$226.00
<u>D2-04TRS</u>	4	Isolated Relay Output	\$115.00
<u>D2-08TR</u>	8	Relay Output	\$112.00
<u>F2-08TR</u>	8	Relay Output	\$135.00
<u>F2-08TRS</u>	8	Isolated Relay Output	\$182.00
<u>D2-12TR</u>	12	Relay Output	\$186.00

Discrete Input/Output Modules

Part Number	Number of Channels	Description	Price
<u>D2-08CDR</u>	4/4	Sinking/Sourcing DC Input with Relay Output	\$99.00

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	D2-08CDR¹		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	D2-08CDR¹	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	✓		D2-08ND3	✓
Discrete I/O Modules	D2-16ND3-2	✓	Local Expansion Modules	D2-16ND3-2	✓
	D2-32ND3	✓		D2-32ND3	✓
	D2-32ND3-2	✓	Specialty Modules	D2-32ND3-2	✓
	D2-08NA-1	✓		D2-08NA-1	✓
	D2-08NA-2	✓		D2-08NA-2	No
	D2-16NA	✓		D2-16NA	No
	D2-04TD1	✓		D2-04TD1	✓
	D2-08TD1	✓		D2-08TD2	No
	D2-08TD2	✓		D2-16TD1-2	
	D2-16TD1-2	✓		D2-16TD2-2	✓
	D2-16TD2-2	✓		F2-16TD1P	No
	F2-16TD1P	✓		F2-16TD2P	No
	F2-16TD2P	✓		D2-32TD1	✓
	D2-32TD1	✓		D2-32TD2	
	D2-32TD2	✓		D2-08TA	✓
	D2-08TA	✓		F2-08TA	✓
	F2-08TA	✓		D2-12TA	No
	D2-12TA	✓		D2-04TRS	✓
	D2-04TRS	✓		D2-08TR	No
	D2-08TR	✓		F2-08TR	✓
	F2-08TR	✓		F2-08TRS	
	F2-08TRS	✓	Programmer	D2-12TR	No
	D2-12TR	✓		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		
	<i>H2-DM1 / H2-DM1E</i>		<i>H2-DM1E</i>	<i>H2-ECOM100</i>	<i>H2-SERIO H2-SERIO-4</i>	<i>H2-ERM100</i>
	USB Port	RS-232 Serial Port	Ethernet Port			
<i>Do-more Designer Programming</i>	Yes	Yes	Yes	Yes	Yes	
<i>Modbus/RTU Client (Master)</i>		Yes			Yes	
<i>Modbus/RTU Server (Slave)</i>		Yes			Yes	
<i>Modbus/TCP Client (Master)</i>			Yes	Yes		
<i>Modbus/TCP Server (Slave)</i>			Yes	Yes		
<i>DirectLOGIC RX/WX Client (Master)</i>			Yes	Yes		
<i>DirectLOGIC RX/WX Server (Slave)</i>			Yes	Yes		
<i>K-Sequence Server (Slave)</i>		Yes		Yes	Yes	
<i>DirectNET Server (Slave)</i>				Yes		
<i>Embedded Web Server: HTTP (unsecure)</i>				Yes		Yes
<i>Ethernet: HTML (unsecure) configuration</i>				Yes		Yes
<i>HEI Ethernet Remote I/O Master</i>			Yes			Yes
<i>SMTP (EMail) Client w/Authentication</i>			Yes			
<i>Simple Network Time Protocol (SNTP) Client</i>			Yes			
<i>Do-more/PEERLINK</i>			Yes			
<i>Do-more Time Synchronization Protocol (Client, Server, Alternate Client)</i>			Yes			
<i>Do-more Logger/UDP</i>			Yes			
<i>Serial ad-hoc ASCII/Binary Programatic Control</i>		Yes			Yes	
<i>UDP ad-hoc Programmatic Control</i>			Yes			
<i>TCP Client Programmatic Control</i>			Yes			
<i>TCP Server Programmatic Control</i>			Yes			

Blank = Not Supported