



D2-262 Key Features

Full array of instructions

The right instruction can greatly simplify your programming task and can save hours of programming time.

The D2-262 supports over 280 powerful instructions, such as:

- Four types of drum sequencers
- Leading / trailing edge triggered one-shots
- Bit-of-word manipulation
- Floating point conversions
- Trigonometric functions
- Table instructions
- ASCII IN/OUT instructions

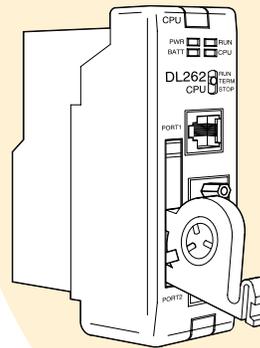
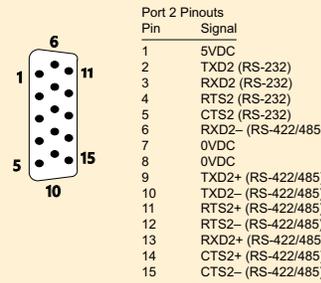
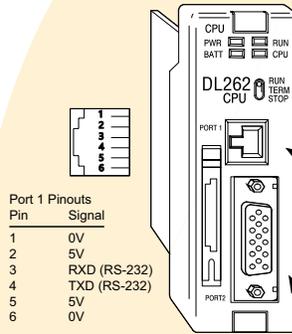
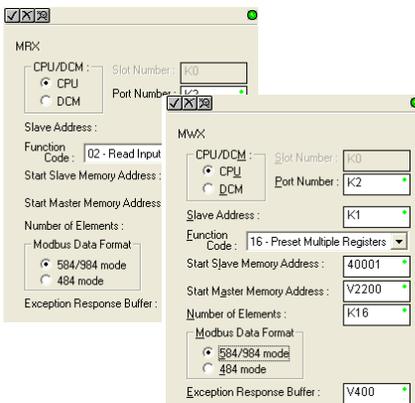
For a complete list of instructions supported by all DL205 CPUs, see the end of this section.

Modbus RTU instructions

The D2-262 CPU supports easy-to-use Modbus Read/Write instructions that expand our existing Modbus network instruction capabilities. The MRX or MWX instructions allow you to enter native Modbus addressing in your ladder program with no need to perform octal-to-decimal conversion. We added Function codes 05, 06 and the ability to read Server Exception Codes. These flexible instructions allow the user to select the following parameters within one instruction window:

- 584/984 or 484 Modbus data type
- Server node (0-247)
- Function code
- Modbus starting Client / Server memory address
- Number of bits
- Exception code starting address

Examples of MRX and MWX instructions in DirectSOFT



ZIPLink communications adapter modules

ZIPLink cables and communications adapter modules offer fast and convenient screw terminal connection for the bottom port of the D2-262 CPUs. The adapter modules are RS232/422/485 compatible and are offered with or without indicating LEDs and surge protection. See the Terminal Blocks and Wiring Solutions section in this catalog for more information.



ZL-CMA15L shown

CPU Status Indicators		
RUN	ON	CPU is in RUN mode
	OFF	CPU is in PROGRAM mode
BATT	ON	Battery backup voltage is low
	OFF	Battery backup voltage is OK or disabled
CPU	ON	CPU internal diagnostics detects error
	OFF	CPU is OK
PWR	ON	CPU power good
	OFF	CPU power failure
Mode Switch		
RUN		Puts CPU into RUN mode
TERM		Allows peripherals (HPP, DirectSOFT) to select the mode of operation
STOP		Forces CPU out of RUN mode
Port 1		
Protocols		K-sequence Server, DirectNET ™ Server, Modbus RTU Server
Devices		Can connect w/HPP, DirectSOFT , C-more, O/I panels, or any DirectNET Client
Specs.		6P6C phone jack connector RS-232 9,600 baud Fixed address Odd parity only 8 data bits one start, one stop asynchronous, half-duplex, DTE
Port 2		
Protocols		K-sequence Server, DirectNET Client/Server, Modbus RTU Client/Server, ASCII IN/OUT, Remote I/O Client
Devices		Can connect w/many devices, such as PCs running DirectSOFT , DSDData, HMI packages, C-more, other O/I panels, any DirectNET or Modbus RTU Client or Server, or ASCII devices
Specs.		HD15 connector RS-232, RS-422/485* 2400/4800/9600/19.2K/38.4K baud Odd, even, or no parity Selectable address (1-90, HEX 1 - 5A) 8 data bits, one start, one stop Asynchronous, Half-duplex, DTE
Battery (Optional)		
D2-BAT-1		Coin type, 3.0V Lithium battery, 560 mA, battery number CR2354
Note: Batteries are not needed for program backup. However, you should order a battery if you have parameters in V-memory that must be maintained in case of a power outage.		
*RS485 for Modbus protocol only		

On-board memory

The D2-262 has 15.5K words of flash memory on board for your program plus 14.2K words of data registers. With flash memory, you don't have to worry about losing the program due to a bad battery.

Built-in remote I/O connection

The bottom port on the D2-262 can be used as a Client for serial remote I/O networks.