

# D2-230/240 Key Features



## D2-240: for basic applications

The D2-240 provides a subset of the D2-250-1's capabilities. If you need a good CPU with multiple communications ports, and complex math or PID isn't required, then the D2-240 is the CPU for you!

## Built-in memory

There is 2.5K of EEPROM program memory in the D2-240. No additional memory is required.

If you have critical data stored in the capacitor backed V-memory, simply purchase the optional lithium battery (D2-BAT) to permanently maintain these parameters as well.

## Powerful instructions

The D2-240 instructions cover most of the capability of our more powerful D2-250-1, and allow you to cover a wide variety of applications. Instructions include Boolean logic, data manipulation, integer math, interrupts, subroutines, FOR/NEXT loops, etc. For a complete list of instructions, see the back of this section.

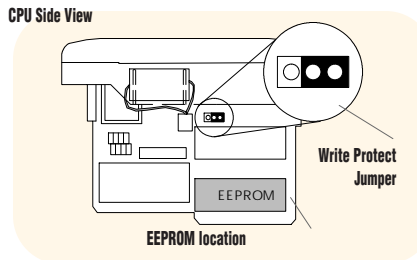
## Two built-in RS-232 communications ports

The D2-240 offers two communication ports. The top port can be used for a direct connection to a personal computer

for programming, to our handheld programmer, **C-more**, or to the DV-1000. The bottom port is a slave-only port and supports our **DirectNET™** or K-sequence protocol at speeds up to 19.2 Kbaud. If you're using an operator interface or if you plan on connecting the system to a network later on, then you can choose the D2-240. The D2-240 also supports the D2-DCM Data Communication Module and the H2-ECOM Ethernet Communication Modules.

## DL205 spare EEPROM chips

There may be cases where you want to have a spare EEPROM chip available. For example, maybe you need to upgrade a customer's machine with your latest enhancements. You can purchase extra EEPROM chips (two per pack). These can be installed in the CPU (D2-230/D2-240 only) and programmed, or they can be programmed directly with the DL205 handheld programmer.



EEPROM	D2-EE-1	D2-EE-2
<b>CPU</b>	<b>D2-230</b>	<b>D2-240</b>
<b>CPU Program Storage Capacity</b>	2.0K	2.4K
<b>Writing Cycle Life</b>	10,000	10,000
<b>Write Inhibit</b>	CPU jumper	CPU jumper
<b>Memory Clear Method</b>	Electrical	Electrical



## D2-230: our lowest price DL205 CPU

The D2-230 is our most economical CPU in the DL205 product family. If you are looking at the DL205 primarily because of the size, or for other reasons that don't require lots of CPU horsepower, then give the D2-230 a try.

## Built-in EEPROM memory

There is 2.0K of EEPROM program memory in the D2-230. No additional memory is required.

If you have critical data stored in the capacitor-backed V-memory, simply purchase the optional lithium battery (D2-BAT) to permanently maintain these parameters as well.

## One built-in communications port

The D2-230 has only one communication port. If you are considering any network connections in the future, you will need the D2-240, D2-250-1 or D2-260 CPU. The extra port may be worth the cost, especially during machine startup or troubleshooting sessions. The D2-230 does not support the Ethernet or Data Communications modules.

## Basic instruction set

The D2-230 provides a subset of the D2-240's well-rounded instructions. The D2-230's instructions cover basic Boolean and simple integer math.

- PLC Overview
- DL05/06 PLC
- DL105 PLC
- DL205 PLC**
- DL305 PLC
- DL405 PLC
- Field I/O
- Software
- C-more HMIs
- Other HMI
- AC Drives
- Motors
- Steppers/Servos
- Motor Controls
- Proximity Sensors
- Photo Sensors
- Limit Switches
- Encoders
- Current Sensors
- Pushbuttons/Lights
- Process
- Relays/Timers
- Comm.
- TB's & Wiring
- Power
- Circuit Protection
- Enclosures
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