D4-440/430 Key Features

Operator Interfaces

Handheld Programmer

D4–430 and D4–440 offer two
built- in communication ports

DirectNET
Network Slave

DirectSOFT
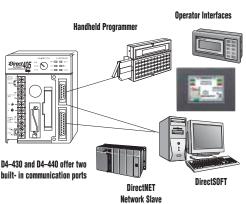
D4-440 CPU

The D4-440 provides a subset of the D4-450's capabilities. If you need fast boolean execution, good communications, and complex math or PID isn't required, this is the CPU for you.

Instruction set

The D4-440 instruction set includes most of the capabilities of the D4-450. The D4-440 does not support some of the more advanced instructions such as PID, floating point math, drum sequencers, trig. functions, IBoxes, etc.

Two built-in communication ports

D4-440 offers two communication ports. The top port can be used for a direct connection to a personal computer for programming, to our handheld programmer, to our DV-1000, or to operator interfaces and touch panels. The bottom port is a slave-only port and supports our *Direct*NET or K-sequence protocol at speeds up to 19.2K baud.

Range of power supplies

The D4-440 provides a wide range of power supply options:
- 110/220 VAC
- 24 VDC
- 125 VDC

Memory cartridges

The table below shows the memory cartridges available for the D4-440 and D4-450. The D4-440 requires a memory cartridge for program storage. The D4-450 has 7.5K of built-in FLASH program memory. However, you can use a memory cartridge instead of the built-in memory if you need more program space. (The D4-430 has built-in program memory and cannot use a memory cartridge.)

D4-430 CPU

The D4-430 is the most economical CPU in the DL405 product family. If you are primarily looking at the DL405 because of I/O form factor or reasons that don't require tons of CPU horse-power, try the D4-430.

Two built-in communication ports

The D4-430 also offers two communication ports. The top port can be used for a direct connection to a personal computer for programming, to our handheld programmer, to the DV-1000, or to operator interfaces and touch panels. The bottom port is a slave-only port and supports *Direct*NET protocol at speeds up to 19.2K.

Built-in EEPROM memory

One advantage of the D4-430 is 3.5K of built-in EEPROM program memory. A memory cartridge is not required.

	D4-RAM-1 <--->	D4-RAM-2 <--->	D4-UV-1 <--->	D4-UV-2 <--->	D4-EE-2 <--->
Program Storage Capacity	7.5K	15.5K	7.5K	15.5K	15.5K
Cartridge Battery Type	Lithium	Lithium	None	None	None
Writing Cycle Life	N/A	N/A	1,000	1,000	>10,000
Write Inhibit	Internal jumper	Internal jumper	N/A	N/A	Internal jumper
Memory Clear Method	Electrical	Electrical	Ultraviolet light	Ultraviolet light	Electrical