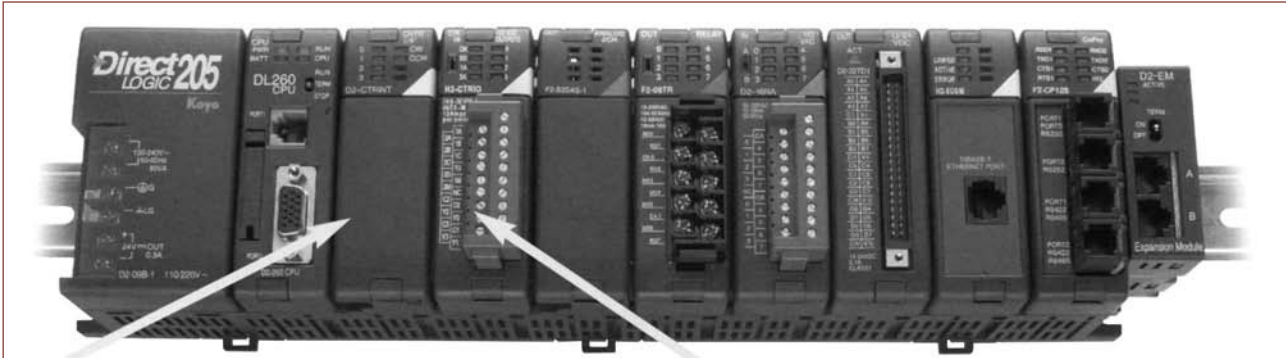


# PROGRAMMABLE LOGIC CONTROLLERS

## Micro Modular PLC - DL205



### Two half-priced counting / pulse output modules

D2-CTRINT supports two 5KHz counters or one quadrature input or one 5KHz output. One module only per system.

H2-CTRIO supports 100KHz counters or two quadrature inputs and two 25KHz pulse train outputs. Multiple modules allowable.

### What is it?

The DL205 series PLC is a micro modular PLC that allows you to drastically lower your control system cost. This PLC has the necessary specifications to replace PLCs costing two to three times as much. Check out our prices and see for yourself!

### What's it got?

The DL205 offers eight different CPUs that provide a wide range of power and features while minimizing cost. For instance, our newest CPU, the D2-260 (\$299.00), offers 30.4K of total memory (15.8K of program memory) and can support up to 16,384 I/O points. The D2-260 has two built-in communication ports that support devices such as HMIs, serial networks, remote I/O and ASCII devices. Its 230 + RLL (Relay Ladder Logic) instructions give it the ability to be part of a large and powerful control system with a price that meets a tiny budget! In fact, you could buy almost three of our D2-260 CPUs for the price of one Allen-Bradley SLC 5/03 CPU that has only 8K of program memory and supports only 960 local I/O!

Four base sizes with built-in power supply support 12/24 VDC, 110/220VAC and 125VDC (6 and 9 slot only) power sources.

Over 35 powerful I/O and communication modules are available. Typically they are priced at least 50% below the list price of an Allen-Bradley SLC 500 or CompactLogix Series modular system, hence "half priced"!

### What's new

- DL260 CPU. Key features include new powerful and easy-to-use ASCII instructions, 16 PID loops with auto-tune, total memory of 30.4K, and support for a maximum of 16,384 I/O points.
- Local expansion I/O bases in all sizes, along with expansion modules.
- New discrete and analog I/O modules for greater flexibility.

### Related products include:

- Industrial DIN-rail-mountable telephone modem and an industrial DIN-rail-mountable Ethernet hub / switch
- ZIPLink connector modules - relay, fuse and LED options. (See ZIPLink Connection System section)
- Servo connectivity to Sanyo Denki Servos from Automation Intelligence.



Relay Ladder Logic CPUs

### Eight half-priced DL205 CPUs!

#### Four RLL (Relay Ladder Logic based) CPUs

D2-230	- 2.4K memory, maximum 256 I/O
D2-240	- 3.8K memory, maximum 896 I/O
D2-250-1	- 14.8K memory, maximum 2048 I/O
D2-260	- 30.4K memory, maximum 8192 I/O

### 22 half-priced discrete input / output modules

#### DC Input Modules

D2-08ND3	8-pt.	12-24V sink / source
D2-16ND3-2	16-pt.	24V sink / source
D2-32ND3-2	32-pt.	5-15V sink / source
D2-32ND3	32-pt.	24V sink / source



# PROGRAMMABLE LOGIC CONTROLLERS

## Micro Modular PLC - DL205

### AC input modules

D2-08NA-1	8-pt. 110VAC
D2-08NA-2	8-pt. 220VAC
D2-16NA	16-pt. 110VAC

### DC output modules

D2-04TD1	4-pt. 12-24V sink, 4A / pt
D2-08TD1	8-pt. 12-24V sink
D2-08TD2	4-pt. 12-24V source
D2-16TD1-2	16-pt. 12-24V sink
D2-16TD2-2	16-pt. 12-24 source
D2-32TD1	32-pt. 12-24 sink
D2-32TD1	32-pt. 12-24 source

### AC output modules

D2-08TA	8-pt. 18-220VAC
F2-08TA	8-pt. 220VAC, high current
D2-12TA	12-pt. 18-110VAC

### Relay output modules

D2-04TRS	4-pt. 4A / -pt. 8A / modules
D2-08TR	8-pt. 1A / -pt.4A / modules
F2-08TR	8-pt. 8 form A 10A / common
F2-08TRS	8-pt. 5 form A, 3 form C, 7A / pt
D2-12TR	12-pt. 12 form A, 1.5A/pt

### Combination

D2-08CDR	4-pt. DC in, 4-pt. Relay out
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## 16 half- priced analog & temperature modules

### Analog input modules

F2-04AD-1	4-ch. 4-20mA
F2-04AD-2	4-ch. 0-5V, 0-10V, -5 to +5V, -10 to +10V
F2-04AD-1L	4-ch. 4-20mA (use 12VDC supply)
F2-04AD-2L	4-ch. 0-5V, 0-10V, -5 to +5V, -10 to +10V (use 12VDC supply)
F2-08AD-1	8-ch. 4-20mA
F2-08AD-2	8-ch. 0-5V, 0-10V, -5 to +5V, -10 to +10V

### Analog output modules

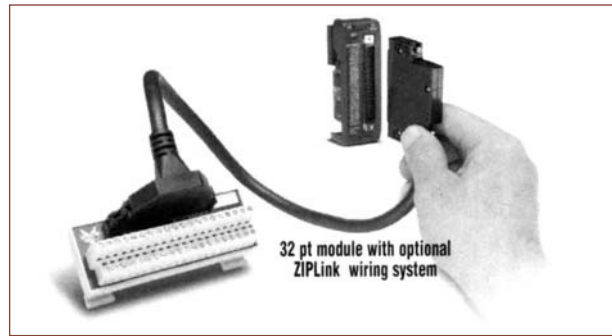
F2-02DA-1	2-ch. 4-20mA
F2-02DA-2	2-ch. 0-5V 0-10V, -5 to +5V -10 to +10V
F2-02DA-1L	2-ch. 4-20mA (12VDC supply)
F2-02DA-2L	2-ch. 0-5V 0-10V, -5 to +5V, -10 to +10V (uses 12VDC supply)
F2-02DAS-1	2-ch. 4-20mA, 16-bit isolated
F2-02DAS-2	2-ch. 0-5V, 0-10V 16-bit isolated
F2-08DA-1	8-ch. 4-20mA, sink / source selectable
F2-08DA-2	8-ch. 0-5V, 0-10V

### Combination analog

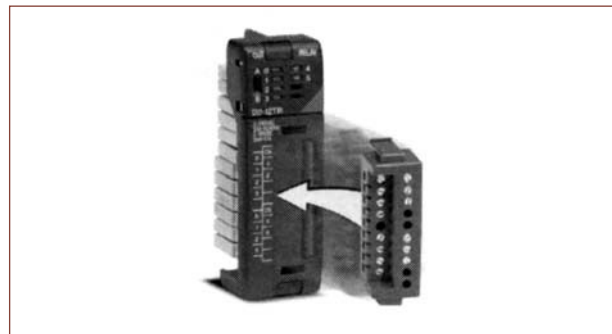
F2-4AD2DA	4-ch. in/2-ch. Out 4-20mA
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### Temperature

F204RTD	4-ch. RTD input 0.15C resolution
F2-04THM	4-ch. 16-bit thermocouple and millivolt



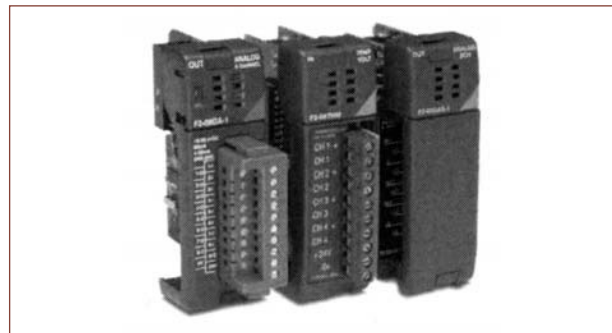
32 pt module with optional ZIPLink wiring system



16 pt module with removable terminal block



Relay output modules



Wide range of low cost analog and thermocouple modules

# PROGRAMMABLE LOGIC CONTROLLERS

## Seven Half-Priced Communication Modules

Ethernet :	H2-ECOM Master / slave Ethernet 10Base-T
Ethernet fiber :	H2-ECOM-F Master / Slave Ethernet 10Base-FL
DeviceNet :	F2-DEVNETS-1 DeviceNet Base Controller (slave)
Profibus :	H2-PBC Profibus Base Controller (slave)
SDS :	F2-SDS-1 Smart Distributed System Base controller (slave)
Serial / MODBUS :	D2-DCM RS232 / 422 DirectNet master / slave, MODBUS RTU slave
Coprocessor :	F2-CP128 BASIC comm. CoProcessor, 3 sport, 128K memory, RS232 / 422 / 485 master / slave



Seven half-priced communication modules

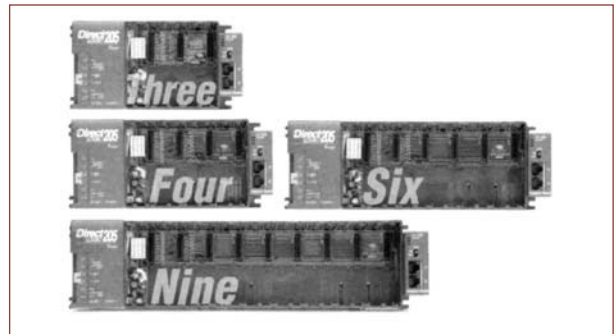
**Expansion I/O** - add up to four DL205 bases of expansion I/O to the D2-260 CPU or up to two bases for D2-250-1. Its deterministic and low cost.

**Remote I/O** - plug one or more D2-RMSM remote I/O master into a local DL205 base and then connect up to seven remote DL205 bases on each (with D2-RSSS in slave). The bottom port of the D2-250(-1) and D2-260 CPUs can also act as a remote I/O master.

**Ethernet Remote I/O** - plug a 10Mbit ethernet remote master module (H2-ERM) into a local DL205 base and then add up to 16 bases of DL205 I/O, 16 terminator I/O systems or four fully expanded DL405 local I/O system, or a combination (all must contain an ethernet base controller).

## Four Half-Priced Base Sizes

3-slot base		4-slot base	
D2-03B-1	110/220VAC	D2-04B-1	110/220VAC
D2-03BDC1-1	12/24VDC	D2-04BDC1-1	12/24VDC
6-slot base		9-slot base	
D2-06B-1	110/220VAC	D2-09B-1	110/220VAC
D2-06BDC1-1	12/24VDC	D2-09BDC1-1	12/24VDC
D2-06BDC2-1	125VDC	D2-09BDC2-1	125VDC



Four half-priced base sizes

## Our Most Powerful PLC Family - DL405

### What is it?

the DL405 product line packs a lot of power for its size and price. It has the widest variety of I/O modules and configurations of all our PLGs.

### What's it got?

The DL405 has three CPUs from 6.5k memory with 1152 I/O to 30.8k memory with 3584 possible I/O. It also offers three base sizes with built in power supply, including 12 / 24 VDC, 110 / 220 VAC and 125 VDC power. The DL405 also features flexible I/O and communication modules, such as:

- AC/DC in/out, up to 64 points
- Ten amp relay out
- 12-bit and 16-bit analog inputs and outputs
- Thermocouple and RTD inputs
- Data communications, including serial and ethernet modules
- High speed counter inputs and pulse outputs
- Serial remote I/O master and slave modules
- Ethernet remote I/O master and slave base controllers
- Slice I/O master and slave modules

### What can I do with it?

- Built a control system with local/distributed I/O of up to 3500 points.
- Use built-in PID instruction or specially modules to perform cost-effective process control.



DL405