

DL405 Family of Products

This page provides an overview of the variety of products found in the DL405 family.

CPUs

- D4-450** – 110/220 VAC P/S
- D4-450DC-1** – 24 VDC P/S
- D4-450DC-2** – 125 VDC P/S
30.8K total memory
(7.5K built-in flash program memory or use optional memory cartridge)
- 16 PID loops with auto-tune
- D4-440** – 110/220 VAC P/S
22.5K total memory
(memory cartridge required)
- D4-440DC-1** – 24 VDC P/S
22.5K total memory
(memory cartridge required)
- D4-440DC-2** – 125 VDC P/S
22.5K total memory
(memory cartridge required)
- D4-430** – 110/220 VAC P/S
6.5K total memory

Memory cartridges

- CMOS RAM - 7.5K (D4-RAM-1)
- CMOS RAM - 15.5K (D4-RAM-2)
- UV PROM - 7.5K (D4-UV-1)
- UV PROM - 15.5K (D4-UV-2)
- EEPROM - 15.5K (D4-EE-2)

Programming

- Handheld programmer (D4-HPP-1)
- DirectSOFT** Programming for Windows (PC-DSOFT5)

Bases

- 4-slot base (D4-04B-1)
- 6-slot base (D4-06B-1)
- 8-slot base (D4-08B-1)

Local expansion base power supplies

- 110/220 VAC P/S (D4-EX)
- 24 VDC P/S (D4-EXDC)
- 125 VDC P/S (D4-EXDC-2)

Discrete input modules

- DC input**
- 8-point 24-48 VDC (D4-08ND3S)
- 16-point 12-24 VDC (D4-16ND2)
- 16-point 12-24 VDC (1 ms response) (D4-16ND2F)
- 32-point 24 VDC (D4-32ND3-1)
- 32-point 5-12 VDC (D4-32ND3-2)

64-point 20-28 VDC (D4-64ND2)

AC input modules

- 8-point 110/220 VAC (D4-08NA)
- 16-point 110 VAC (D4-16NA)

AC/DC input modules

- 8-pt 90-150 VAC/DC (isolated) (F4-08NE3S)
- 16-pt 12-24 VAC/DC (D4-16NE3)

Discrete output modules

DC output modules

- 8-point 12-24 VDC (D4-08TD1)
- 8-point 24-150 VDC (F4-08TD1S)
- 16-point 5-24 VDC (D4-16TD1)
- 16-point 12-24 VDC (D4-16TD2)
- 32-point 5-15 VDC (D4-32TD1-1)
- 32-point 5-26 VDC (D4-32TD1)
- 32-point 12-24 VDC (D4-32TD2)
- 64-point 5-26 VDC (D4-64TD1)

AC output modules

- 8-point 18-220 VAC (D4-08TA)
- 16-point 18-220 VAC (D4-16TA)

Relay output modules

- 8-point 2A (D4-08TR)
- 8-point 5A/pt (isolated) (F4-08TRS-2)
- 8-point 10A/pt (isolated) (F4-08TRS-1)
- 16-point 1A/pt (D4-16TR)

Analog modules (12-bit)

Analog input

- 4-channel in, current/voltage (F4-04AD)
- 4-channel in, current/voltage (isolated) (F4-04ADS)
- 8-channel in, current/voltage (F4-08AD)
- 16-channel in, current (F4-16AD-1)
- 16-channel in, voltage (F4-16AD-2)

Analog output

- 4-channel out, current (F4-04DA-1)
- 4-channel out, voltage (F4-04DA-2)
- 8-channel out, current (F4-08DA-1)
- 8-channel out, voltage (F4-08DA-2)
- 16-channel out, current (F4-16DA-1)
- 16-channel out, voltage (F4-16DA-2)

Analog modules (16-bit)

Temperature input

- 8-channel in, RTD (F4-08RTD)
- 8-channel in, thermocouple (F4-08THM)

Analog output

4-channel out, current (isolated) (F4-04DAS-1)

4-channel out, voltage (isolated) (F4-04DAS-2)

Communications/networking modules

Ethernet communications [H4-ECOM(-F) and H4-ECOM100]

Data communications (D4-DCM)

Modbus master (F4-MAS-MB)

Specialty modules

- 8-point interrupt input (D4-INT)
- High-speed counter I/O (H4-CTRIO)
- High-speed counter (D4-HSC)
- 8-point magnetic pulse input (F4-8MPI)
- 16-loop PID (w/ software) (F4-16PID)
- 8/16 channel input simulator (D4-16SIM)
- 4-loop temperature controller (F4-4LTC)

BASIC CoProcessor module

128K triple port (F4-CP128-1)

CPU-Slot slave controllers

Ethernet base controller (H4-EBC(-F))

Remote I/O modules

Ethernet

Ethernet remote Master Module (H4-ERM(-F))

Ethernet base Controller (Slave) (H4-EBC(-F))

Remote I/O protocol (serial)

Remote I/O Master Module (D4-RM)

Remote I/O Slave 110/220VAC (D4-RS)

Remote I/O Slave 24VDC (D4-RSDC)

Operator interface

See the Operator Interface section in this catalog for a complete line of text and touch panels and configuration software to connect to DL405 system.

Connection systems

See the Wiring Solutions section in this catalog for information on **DIN**ector terminal blocks and **ZIPLink** connection systems.