

I/O Selection Guide for PC Control

Our PC-based control architecture allows you to choose I/O from our most complete and flexible I/O families. AUTOMATIONDIRECT I/O also supports the most popular control networks, such as Ethernet, Profibus and DeviceNet. Check out this chart to see most of the available options. Refer to I/O specifications in the PLC or Field I/O section for a complete list.

| DL205 Discrete Input Modules | | | DL405 Discrete Input Modules | | | DL405 Temperature Modules | | |
|---|--|-------|---|---|-------|---|---|-------|
| D2-08ND3 | 8-pt 12-24VDC sink/source | <---> | D4-08ND3S | 8-pt 12-24VDC source | <---> | F4-08RTD | 8-ch RTD | <---> |
| D2-16ND3-2 | 16-pt 24VDC sink/source | <---> | D4-16ND2 | 16-pt 12-24VDC source | <---> | F4-08THM | 8-ch thermo F/type, (J,E,K,R,S,T,B,N,C) | <---> |
| D2-32ND3 | 32-pt 24VDC | <---> | D4-16ND2F | 16-pt 12-24VDC input, fast response | <---> | DL405 Specialty Modules | | |
| D2-32ND3-2 | 32-pt 5-15VDC | <---> | D4-32ND3-1 | 32-pt 24VDC sink/source | <---> | DL405 Specialty Modules | | |
| D2-08NA-1 | 8-pt 110VAC | <---> | D4-32ND3-2 | 32-pt 5-12VDC sink/source | <---> | D4-HSC | DL405 high speed counter | <---> |
| D2-08NA-2 | 8-pt 170-265VAC, 2 commons | <---> | D4-64ND2 | 64-pt 20-28VDC source | <---> | D4-16SIM | 8/16 pt input simulator | <---> |
| D2-16NA | 16-pt 110VAC | <---> | D4-08NA | 8-pt 110-220VAC | <---> | Terminator I/O Discrete Input Modules | | |
| DL205 Discrete Output Modules | | | D4-16NA | 16-pt 110VAC | <---> | T1K-08ND3 | 8-pt 12-24VDC sink/source | <---> |
| D2-04TD1 | 4-pt 12-24VDC sink | <---> | D4-16NA-1 | 16-pt 220VAC | <---> | T1K-16ND3 | 16-pt 12-24VDC sink/source | <---> |
| D2-08TD1 | 8-pt 12-24VDC sink | <---> | D4-16NE3 | 16-pt 12-24VAC/VDC sink/source | <---> | T1K-08NA-1 | 8-pt 110VAC | <---> |
| D2-08TD2 | 8-pt 12-24VDC source | <---> | F4-08NE3S | 8-pt 90-150VAC/DC sink/source isolated | <---> | T1K-16NA-1 | 16-pt 110VAC | <---> |
| D2-16TD1-2 | 16-pt 12-24VDC sink, 0.1A/pt 1.6A/mod | <---> | DL405 Discrete Output Modules | | | Terminator I/O Discrete Output Modules | | |
| D2-16TD2-2 | 16-pt 12-24VDC source, 0.1A/pt 1.6A/mod | <---> | D4-08TD1 | 8-pt 12-24VDC sink | <---> | T1K-08TD1 | 8-pt 12-24VDC sink | <---> |
| D2-32TD1 | 32-pt 24VDC sinking | <---> | F4-08TD1S | 8-pt 24-150VDC sink/source isolated out | <---> | T1K-08TD2-1 | 8-pt 12-24VDC source | <---> |
| D2-32TD2 | 32-pt 24VDC sourcing | <---> | D4-16TD1 | 16-pt 5-24VDC sink | <---> | T1H-08TDS | 8-pt 12-24VDS isoated sink/source | <---> |
| D2-08TA | 8-pt 18-220VAC | <---> | D4-16TD2 | 16-pt 12-24VDC source | <---> | T1K-16TD1 | 16-pt 12-24VDC sink | <---> |
| D2-12TA | 12-pt 18-110VAC | <---> | D4-32TD1 | 32-pt 5-24VDC, sink | <---> | T1K-16TD2-1 | 16-pt 12-24VDC source | <---> |
| D2-04TRS | 4-pt isolated relay 5-30VDC or 5-250VAC | <---> | D4-32TD2 | 32-pt 5-15VDC, sink | <---> | T1K-08TA | 8-pt 110-240VAC | <---> |
| D2-08TR | 8-pt relay, 5-30VDC or 5-240VAC | <---> | D4-64TD1 | 64-pt 5-24VDC, source | <---> | T1K-16TAS | 8-pt 110-240VAC isolated commons | <---> |
| F2-08TR | 8-pt relay, 10A/com, 5-30VDC or 5-240VAC | <---> | D4-08TA | 8-pt 18-220VAC | <---> | T1K-16TA | 16-pt 110-240VAC | <---> |
| F2-08TRS | 8-pt relay 12-28VDC, or 12-250VAC | <---> | D4-16TA | 16-pt 18-220VAC | <---> | T1K-08TR | 8-pt relay 5-30VDC or 5-240VAC | <---> |
| D2-12TR | 12-pt relay, 5-30VDC or 5-250VAC | <---> | D4-08TR | 8-pt relay 5-30VDC or, 5-250VAC | <---> | T1K-16TR | 16-pt relay 5-30VDC or 5-240VAC | <---> |
| DL205 Combination Discrete Modules | | | D4-08TRS-1 | 8-pt relay 12-30VDC or, 12-250VAC | <---> | T1K-16TRS | 8-pt isolated relay 5-30VDC or 5-240VAC | <---> |
| D2-08CDR | Combo 4-pt 24VDC in and, 4-pt relay out | <---> | F4-08TRS-2 | 8-pt relay 12-30VDC or, 12-250VAC | <---> | Terminator I/O Analog Modules | | |
| DL205 Analog Modules | | | D4-16TR | 16-pt relay 5-30VDC or, 5-250VAC | <---> | T1F-08AD-1 | 8-ch analog input 4-20mA 14-bit res | <---> |
| F2-04AD-1 | 4-ch input, 4-20mA 12 bit res | <---> | Network Bus Interfaces and I/O Bases | | | T1F-08AD-2 | 8-ch analog input voltage 14-bit res | <---> |
| F2-04AD-2 | 4-ch input, voltage 12 bit res | <---> | DL205 and DL405 bases, Terminator I/O power supplies and terminal bases, Bus adapter modules for PC control: DL205 (Ethernet, Profibus, DeviceNet, SDS), DL405 (Ethernet); Terminator I/O (Ethernet, Profibus, DeviceNet) | | | T1F-08DA-1 | 8-ch analog output 4-20mA 12-bit res | <---> |
| F2-08AD-1 | 8-ch input 4-20mA, 12-bit res | <---> | DL405 Analog Modules | | | T1F-08DA-2 | 8-ch analog output voltage 12-bit res | <---> |
| F2-08AD-2 | 8-ch input voltage, 12-bit res | <---> | F4-04AD | 4-ch analog input voltage/current | <---> | T1F-16AD-1 | 16-ch analog input 4-20mA 14-bit res | <---> |
| F2-02DA-1 | 2-ch output 4-20mA, 12-bit res | <---> | F4-04ADS | 4-ch isolated analog voltage/current | <---> | T1F-16AD-2 | 16-ch analog output voltage 14-bit res | <---> |
| F2-02DA-2 | 2-ch output voltage, 12-bit res | <---> | F4-08AD | 8-ch analog input, voltage/current | <---> | T1F-16DA-1 | 16-ch analog output 4-20mA 12-bit res | <---> |
| F2-02DA-1L | 2-ch 4.20 mA out 12-bit, ext 12VDC pwr | <---> | F4-16AD-1 | 16-ch analog input, current, 12-bit | <---> | T1F-16DA-2 | 16-ch analog output voltage 12-bit res | <---> |
| F2-02DA-2L | 2-ch voltage out 12-bit, ext 12VDC pwr | <---> | F4-16AD-2 | 16-ch analog input, voltage, 12-bit | <---> | T1F-14THM | 14-ch thermocouple 16-bit res | <---> |
| F2-02DAS-1 | Isolated, 2-ch 4-20mA 16-bit out | <---> | F4-04DA-1 | 4-ch analog output, current, 12-bit | <---> | T1F-8AD4DA-1 | I/O 8-ch analog input 4-ch analog output, current | <---> |
| F2-02DAS-2 | Isolated, 2-ch voltage 16-bit out | <---> | F4-04DA-2 | 4-ch analog output, voltage, 12-bit | <---> | T1F-8AD4DA-2 | I/O 8-ch analog input 4-ch analog output, voltage | <---> |
| F2-08DA-1 | 8-ch, 4-20mA, 12-bit out | <---> | F4-04DAS-1 | 4-ch isolated, 16-bit analog out, 4-20mA | <---> | Terminator I/O Specialty Modules | | |
| F2-08DA-2 | 8-ch, 0-5VDC or 0-10V, DC, 12-bit out | <---> | F4-04DAS-2 | 4-ch isolated 16-bit analog output, voltage | <---> | T1H-CTRIO | High-speed counter with pulse out | <---> |
| F2-4AD2DA | 4-ch in /2-ch out, 4-20mA 12-bit res. | <---> | F4-08DA-1 | 8-ch analog output, current | <---> | | | |
| F2-8AD4DA-1 | 8-ch in/4-ch out, current, 16-bit | <---> | F4-08DA-2 | 8-ch 0-5VDC or 0-10VDC, 12-bit analog out | <---> | | | |
| F2-8AD4DA-2 | 8-ch in/4-ch out, voltage, 16-bit | <---> | F4-16DA-1 | 16-ch analog output, current | <---> | | | |
| F2-04RTD | 4-channel RTD, 0.1 DEG C res | <---> | F4-16DA-2 | 16-ch 0-5VDC or 0-10V DC 12-bit analog out | <---> | | | |
| F2-04THM | 4 ch thermocouple or, 16-bit volt. input | <---> | | | | | | |
| DL205 Specialty Modules | | | | | | | | |
| H2-CTRIO | DL205 high speed counter with pulse out | <---> | | | | | | |
| F2-08SIM | 8-pt input simulator | <---> | | | | | | |
| H2-SERIO | 3-port serial for Win PLC | <---> | | | | | | |

Note: All networked I/O has fail-safe mode choices 1. All I/O off 2. Leave I/O in last state 3. Fail-safe pattern