

# 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	<--->	<b>DL405 Specialty Modules</b>		
D2-32ND3-2	32-pt 5-15VDC	<--->	D4-32ND3-1	32-pt 24VDC sink/source	<--->	D4-HSC	DL405 high speed counter	<--->
D2-08NA-1	8-pt 110VAC	<--->	D4-32ND3-2	32-pt 5-12VDC sink/source	<--->	D4-16SIM	8/16 pt input simulator	<--->
D2-08NA-2	8-pt 170-265VAC, 2 commons	<--->	D4-64ND2	64-pt 20-28VDC source	<--->	<b>Terminator I/O Discrete Input Modules</b>		
D2-16NA	16-pt 110VAC	<--->	D4-08NA	8-pt 110-220VAC	<--->	T1K-08ND3	8-pt 12-24VDC sink/source	<--->
<b>DL205 Discrete Output Modules</b>			D4-16NA	16-pt 110VAC	<--->	T1K-16ND3	16-pt 12-24VDC sink/source	<--->
D2-04TD1	4-pt 12-24VDC sink	<--->	D4-16NA-1	16-pt 220VAC	<--->	T1K-08NA-1	8-pt 110VAC	<--->
D2-08TD1	8-pt 12-24VDC sink	<--->	D4-16NE3	16-pt 12-24VAC/VDC sink/source	<--->	T1K-16NA-1	16-pt 110VAC	<--->
D2-08TD2	8-pt 12-24VDC source	<--->	F4-08NE3S	8-pt 90-150VAC/DC sink/source isolated	<--->	<b>Terminator I/O Discrete Output Modules</b>		
D2-16TD1-2	16-pt 12-24VDC sink, 0.1A/pt 1.6A/mod	<--->	<b>DL405 Discrete Output Modules</b>			T1K-08TD1	8-pt 12-24VDC sink	<--->
D2-16TD2-2	16-pt 12-24VDC source, 0.1A/pt 1.6A/mod	<--->	D4-08TD1	8-pt 12-24VDC sink	<--->	T1K-08TD2-1	8-pt 12-24VDC source	<--->
D2-32TD1	32-pt 24VDC sinking	<--->	F4-08TD1S	8-pt 24-150VDC sink/source isolated out	<--->	T1H-08TDS	8-pt 12-24VDS isoated sink/source	<--->
D2-32TD2	32-pt 24VDC sourcing	<--->	D4-16TD1	16-pt 5-24VDC sink	<--->	T1K-16TD1	16-pt 12-24VDC sink	<--->
D2-08TA	8-pt 18-220VAC	<--->	D4-16TD2	16-pt 12-24VDC source	<--->	T1K-16TD2-1	16-pt 12-24VDC source	<--->
D2-12TA	12-pt 18-110VAC	<--->	D4-32TD1	32-pt 5-24VDC, sink	<--->	T1K-08TA	8-pt 110-240VAC	<--->
D2-04TRS	4-pt isolated relay 5-30VDC or 5-250VAC	<--->	D4-32TD1-1	32-pt 5-15VDC, sink	<--->	T1K-08TAS	8-pt 110-240VAC isolated commons	<--->
D2-08TR	8-pt relay, 5-30VDC or 5-240VAC	<--->	D4-32TD2	32-pt 12-24VDC, source	<--->	T1K-16TA	16-pt 110-240VAC	<--->
F2-08TR	8-pt relay, 10A/com, 5-30VDC or 5-240VAC	<--->	D4-64TD1	64-pt 5-24VDC sink	<--->	T1K-08TR	8-pt relay 5-30VDC or 5-240VAC	<--->
F2-08TRS	8-pt relay 12-28VDC, or 12-250VAC	<--->	D4-08TA	8-pt 18-220VAC	<--->	T1K-16TR	16-pt relay 5-30VDC or 5-240VAC	<--->
D2-12TR	12-pt relay, 5-30VDC or 5-250VAC	<--->	D4-16TA	16-pt 18-220VAC	<--->	T1K-08TRS	8-pt isolated relay 5-30VDC or 5-240VAC	<--->
<b>DL205 Combination Discrete Modules</b>			D4-08TR	8-pt relay 5-30VDC or, 5-250VAC	<--->	<b>Terminator I/O Analog Modules</b>		
D2-08CDR	Combo 4-pt 24VDC in and, 4-pt relay out	<--->	F4-08TRS-1	8-pt relay 12-30VDC or, 12-250VAC	<--->	T1F-08AD-1	8-ch analog input 4-20mA 14-bit res	<--->
<b>DL205 Analog Modules</b>			F4-08TRS-2	8-pt relay 12-30VDC or, 12-250VAC	<--->	T1F-08AD-2	8-ch analog input voltage 14-bit res	<--->
F2-04AD-1	4-ch input, 4-20mA 12 bit res	<--->	D4-16TR	16-pt relay 5-30VDC or, 5-250VAC	<--->	T1F-08DA-1	8-ch analog output 4-20mA 12-bit res	<--->
F2-04AD-2	4-ch input, voltage 12 bit res	<--->	<b>Network Bus Interfaces and I/O Bases</b>			T1F-08DA-2	8-ch analog output voltage 12-bit res	<--->
F2-04AD-1L	4-pt in 4-20mA, 12 bit, ext 12VDC pwr	<--->	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-16AD-1	16-ch analog input 4-20mA 14-bit res	<--->
F2-04AD-2L	4-pt in voltage, 12 bit, ext 12VDC pwr	<--->	<b>DL405 Analog Modules</b>			T1F-16AD-2	16-ch analog input voltage 14-bit res	<--->
F2-08AD-1	8-ch input 4-20mA, 12-bit res	<--->	F4-04AD	4-ch analog input voltage/current	<--->	T1F-16DA-1	16-ch analog output 4-20mA 12-bit res	<--->
F2-08AD-2	8-ch input voltage, 12-bit res	<--->	F4-04ADS	4-ch isolated analog voltage/current	<--->	T1F-16DA-2	16-ch analog output voltage 12-bit res	<--->
F2-02DA-1	2-ch output 4-20mA, 12-bit res	<--->	F4-08AD	8-ch analog input, voltage/current	<--->	T1F-16AD-1	16-ch analog input 4-20mA 14-bit res	<--->
F2-02DA-2	2-ch output voltage, 12-bit res	<--->	F4-16AD-1	16-ch analog input, current, 12-bit	<--->	T1F-16AD-2	16-ch analog input voltage 14-bit res	<--->
F2-02DA-1L	2-ch 4.20 mA out 12-bit, ext 12VDC pwr	<--->	F4-16AD-2	16-ch analog input, voltage, 12-bit	<--->	T1F-16DA-1	16-ch analog output 4-20mA 12-bit res	<--->
F2-02DA-2L	2-ch voltage out 12-bit, ext 12VDC pwr	<--->	F4-04DA-1	4-ch analog output, current, 12-bit	<--->	T1F-16DA-2	16-ch analog output voltage 12-bit res	<--->
F2-02DAS-1	Isolated, 2-ch 4-20mA 16-bit out	<--->	F4-04DA-2	4-ch analog output, voltage, 12-bit	<--->	T1F-16DA-1	16-ch analog output 4-20mA 12-bit res	<--->
F2-02DAS-2	Isolated, 2-ch voltage 16-bit out	<--->	F4-04DAS-1	4-ch isolated, 16-bit analog out, 4-20mA	<--->	T1F-16DA-2	16-ch analog output voltage 12-bit res	<--->
F2-08DA-1	8-ch, 4-20mA, 12-bit out	<--->	F4-04DAS-2	4-ch isolated 16-bit analog output, voltage	<--->	T1F-14THM	14-ch thermocouple 16-bit res	<--->
F2-08DA-2	8-ch, 0-5VDC or 0-10V, DC, 12-bit out	<--->	F4-08DA-1	8-ch analog output, current	<--->	T1F-8AD4DA-1	I/O 8-ch analog input 4-ch analog output, current	<--->
F2-4AD2DA	4-ch in /2-ch out, 4-20mA 12-bit res.	<--->	F4-08DA-2	8-ch 0-5VDC or 0-10VDC, 12-bit analog out	<--->	T1F-8AD4DA-2	I/O 8-ch analog input 4-ch analog output, voltage	<--->
F2-8AD4DA-1	8-ch in/4-ch out, current, 16-bit	<--->	F4-16DA-1	16-ch analog output, current	<--->	<b>Terminator I/O Specialty Modules</b>		
F2-8AD4DA-2	8-ch in/4-ch out, voltage, 16-bit	<--->	F4-16DA-2	16-ch 0-5VDC or 0-10V DC 12-bit analog out	<--->	T1H-CTRIO	High-speed counter with pulse out	<--->
F2-04RTD	4-channel RTD, 0.1 DEG C res	<--->						
F2-04THM	4 ch thermocouple or, 16-bit volt. input	<--->						
<b>DL205 Specialty Modules</b>								
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