

Customizable I/O Configurations

Tesco's L3000® I/O configurations can be customized to meet your needs now and in the future.

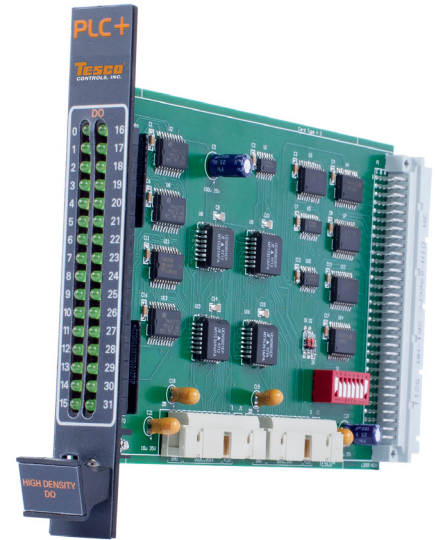
Mixed I/O Modules

Mixed I/O modules have multiple channels of each I/O type. These cards are efficient for smaller applications, since only one I/O card is required, rather than one of each type.

High Density Dedicated I/O Modules

Dedicated I/O modules allow the greatest flexibility for systems with higher I/O demands. They are the perfect solution for systems with a high demand I/O. Dedicated I/O modules may be combined with mixed I/O modules for the utmost flexibility on systems with medium to extremely large I/O demands.

Call us and see for yourself how Tesco Controls can make a difference on your next project.



I/O CARD OPTIONS

I/O Adapter	HDIO	HDAI	HDAO	HDDI	HDDO
Analog Inputs	6	16			
Analog Outputs	2		8		
Digital Inputs	16			32	
Digital Outputs	8				32
Options		Class A or AAA lightning protection options	Class A or AAA lightning protection options	AC or DC inputs available	10 amp dual contact relay outputs

Two Levels of Protection

CLASS A:

- » 2 MOVs at each AI/AO
- » Fused

CLASS AAA

- » Full 12 stage, 1000 joule lightning protection at each AI/AO
- » Fuses
- » MOVs
- » TVS diodes
- » Dual spark gaps
- » Inductors



I/O SPECIFICATIONS

	Analog Input	Analog Output	Digital Input	Digital Output
Resolution	12-bit	12-bit		
Type	Differential or Single Ended	Differential or Single Ended	Opto-Isolated	Dry Contact, Double Break 20A, Socketed
Modes	Current or Voltage	Current or Voltage		
Voltage Range	(Voltage Mode) 0 to 5V			
Current Range	(Current Mode) 4 to 20mA	(Current Mode) 4 to 20mA		
Accuracy	± 1 LSB	± 1/2 LSB		
Linearity	± 1 LSB	± 1 LSB		
Impedance	> 4MΩ in voltage mode	> 120Ω		
Common Mode Voltage	96V	96V		
Internal Sample	10μ			
Rate				
Protection	MOVs, Transorb, Fuse, Spark Gap	MOVs, Transorb, Fuse		
Maximum Loop Impedance		(Current Mode) 1kΩ		
Output Capacitance		.001μf		
Isolation Voltage			7500V	
Input Sense				Dry Contact on DC inputs 120 VAC on AC inputs
Operate/Release Time				20μs Maximum
Frequency Response				1/2Hz

DIGITAL OUTPUT

Current Ratings	30 VDC	10A Resistive Load	7A Inductive Load Horse
	120 VAC	10A Resistive Load	7A Inductive Load Horse
	240 VAC	10A Resistive Load	7A Inductive Load Horse
Power Rating	120 VAC	1/6 Horse Power	
	240 VAC	1/3 Horse Power	
Life Expectancy	Mechanical	50,000,000 Operations or More	
	Electrical	500,000 Operations or More	

Custom options are available. Contact Tesco Controls, Inc. for more information:

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