

# DL06 I/O Specifications

D0-06DD1 <--->

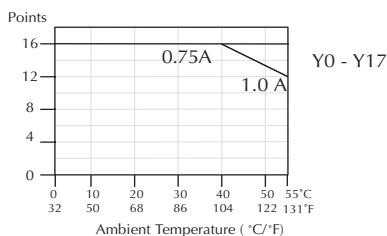
## Wiring diagram and specifications

D0-06DD1 Specifications		
<b>AC Power Supply Specifications</b>	<b>Voltage Range</b>	95-240VAC (30VA)
	<b>Number of Input Pts.</b>	20 (sink/source)
<b>DC Input Specifications</b>	<b>Number of Commons</b>	5 (isolated)
	<b>Input Voltage Range</b>	12-24VDC
	<b>Input Impedance</b>	(X0-X3) 1.8K @ 12-24VDC (X4-X23) 2.8K @ 12-24VDC
	<b>On Current/Voltage Level</b>	>5mA/10VDC
	<b>OFF Current/Voltage Level</b>	<0.5mA/<2VDC
	<b>Response Time</b>	X0-X3      X4-X23
	<b>OFF to ON Response</b>	<100µs      <8ms
	<b>ON to OFF Response</b>	<100µs      <8ms
	<b>Fuses</b>	None
	<b>DC Output Specifications</b>	<b>Number of Output Points</b>
<b>Number of Commons</b>		4 isolated
<b>Output Voltage Range</b>		6-27VDC
<b>Peak Voltage</b>		50VDC
<b>Max. Frequency (Y0, Y1)</b>		7kHz
<b>ON Voltage Drop</b>		0.3VDC @ 1A
<b>Maximum Current</b>		0.5A / pt (Y0-Y1)* 1.0A pt (Y2-Y17)**
<b>Maximum Leakage Current</b>		15µA @ 30VDC
<b>Maximum Inrush Current</b>		2A for 100ms
<b>OFF to ON Response</b>		<10µs
<b>ON to OFF Response</b>		<20µs (Y0-Y1) <60µs (Y2-Y17)
<b>External DC Power Required</b>		20-28VDC 150mA max. (Y0-Y1) 280 mA max. (Y2-Y17)
<b>Status Indicators</b>		Logic side
<b>Fuses</b>		None (external recommended)

\* When Y0-Y1 are not used for pulse outputs, maximum current output is 1.0A\*\*.

\*\* These outputs must be derated to 0.6A for EN61131-2 compliance.

Derating chart for DC outputs



Note: Refer to page 2-29, Power Budgeting, for Auxillary 24VDC current available.

