

# D0-06DD1-D Cut Sheet



DirectLOGIC DL06 PLC, 12-24 VDC required, serial ports, Discrete Input: 20-point, DC, Discrete Output: 16-point, sinking.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/D0-06DD1-D>

## Technical Specifications

<b>Brand</b>	DirectLOGIC	<b>Nominal Output Voltage</b>	6-24 VDC
<b>Item</b>	PLC	<b>Discrete Output Type</b>	Sinking
<b>Series</b>	DL06	<b>Load Current</b>	1A/point max
<b>Total Memory</b>	14.8k words	<b>Number of Isolated Discrete Output Commons</b>	4
<b>Ladder Memory</b>	7k words	<b>Number of Points per Discrete Output Common</b>	4
<b>User Data Memory</b>	7k words	<b>Maximum Switching Frequency</b>	10 kHz
<b>Programming Language</b>	Ladder	<b>Maximum Number of PID Loops</b>	8
<b>Programming Software</b>	DirectSOFT programming software v4.0 or later	<b>Number of High-Speed Capable Input Points</b>	4
<b>Communication Port and Connection Type(s)</b>	<ul style="list-style-type: none"><li>• (1) RS-232 (RJ12)</li><li>• (1) RS-232/RS-422/RS-485 (DB15HD female)</li></ul>	<b>High-Speed Counter(s)</b>	<ul style="list-style-type: none"><li>• up to (2) up counters</li><li>• up to (1) down counter</li><li>• up to (1) up/down counter</li><li>• up to (1) quadrature (A and B) counter</li></ul>
<b>Port Protocol(s)</b>	<ul style="list-style-type: none"><li>• DirectNET</li><li>• Modbus RTU</li><li>• ASCII</li><li>• K-sequence</li><li>• programming and monitoring</li></ul>	<b>Position Scaling</b>	<ul style="list-style-type: none"><li>• up to (2) up counters</li><li>• up to (1) down counter</li><li>• up to (1) up/down counter</li><li>• up to (1) quadrature (A and B) counter</li></ul>
<b>Port Speed(s)</b>	<ul style="list-style-type: none"><li>• fixed at 9.6k baud</li><li>• up to 38.4k baud</li></ul>	<b>Frequency Measurement</b>	<ul style="list-style-type: none"><li>• up to (2) up counters</li><li>• up to (1) down counter</li><li>• up to (1) up/down counter</li><li>• up to (1) quadrature (A and B) counter</li></ul>
<b>Real Time Clock/Calendar</b>	Yes	<b>Interrupt(s)</b>	<ul style="list-style-type: none"><li>• up to (1) input interrupt</li><li>• up to (1) timer interrupt</li></ul>
<b>Retentive Memory</b>	Yes	<b>Number of High-Speed Capable Output Points</b>	2
<b>Battery Backup</b>	Yes	<b>Output Pulse Mode(s)</b>	<ul style="list-style-type: none"><li>• up to (1) PTO linear step/direction output</li><li>• up to (1) PTO rotary clockwise/counter-clockwise (CW/CCW) output</li></ul>
<b>Maximum Expansion Modules Allowed</b>	4	<b>Axis Profile(s)</b>	<ul style="list-style-type: none"><li>• relative/absolute positioning</li><li>• velocity mode</li><li>• trapezoid</li></ul>
<b>External Power Requirement</b>	12-24 VDC	<b>Additional Information</b>	Purchase D2-BAT-1 backup battery separately
<b>Number of Discrete Input Points</b>	20		
<b>Nominal Input Voltage</b>	12-24 VDC		
<b>Voltage Type</b>	DC		
<b>Discrete Input Type</b>	Sinking/sourcing		
<b>Number of Isolated Discrete Input Commons</b>	5		
<b>Number of Points per Discrete Input Common</b>	4		
<b>Frequency Response</b>	7 kHz		
<b>Number of Discrete Output Points</b>	16		

# D0-06DD1-D Cut Sheet

---

## Agency Approvals

<b>UL Listed File #</b>	E157382
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	E200031
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

---

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/D0-06DD1-D.pdf>  
See store item page for other formats.

---