

# D0-05AD Cut Sheet



DirectLOGIC DL05 PLC, 120-240 VAC required, serial ports,  
Discrete Input: 8-point, AC, Discrete Output: 6-point, sinking.

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



<https://www.automationdirect.com/pn/D0-05AD>

## Technical Specifications

|  |  |
|--|--|
| Brand                                      | DirectLOGIC  |
| Item                                       | PLC  |
| Series                                     | DL05   |
| Total Memory                               | 6k words   |
| Ladder Memory                              | 2k words   |
| User Data Memory                           | 4k words   |
| Programming Language                       | Ladder   |
| Programming Software                       | DirectSOFT programming software v4.0 or later  |
| Communication Port and Connection Type(s)  | (2) RS-232 (RJ12)  |
| Port Protocol(s)                           | <ul style="list-style-type: none"><li>• DirectNET</li><li>• Modbus RTU</li><li>• K-sequence</li><li>• programming and monitoring</li></ul> |
| Port Speed(s)                              | <ul style="list-style-type: none"><li>• fixed at 9.6k baud</li><li>• up to 38.4k baud</li></ul>  |
| Real Time Clock/Calendar                   | No   |
| Retentive Memory                           | No   |
| Battery Backup                             | No   |
| Maximum Expansion Modules Allowed          | 1  |
| External Power Requirement                 | 120-240 VAC  |
| Number of Discrete Input Points            | 8  |
| Nominal Input Voltage                      | 120 VAC  |
| Voltage Type                               | AC   |
| Number of Isolated Discrete Input Commons  | 2  |
| Number of Points per Discrete Input Common | 4  |
| Number of Discrete Output Points           | 6  |
| Nominal Output Voltage                     | 12-24 VDC  |
| Discrete Output Type                       | Sinking  |
| Load Current                               | 1A/point max   |

|   |   |
|---|---|
| Number of Isolated Discrete Output Commons  | 2   |
| Number of Points per Discrete Output Common | 3   |
| Maximum Switching Frequency                 | 7 kHz   |
| Maximum Number of PID Loops                 | 4   |
| Number of High-Speed Capable Output Points  | 2   |
| Output Pulse Mode(s)                        | <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> |
| Axis Profile(s)                             | <ul style="list-style-type: none"><li>• relative/absolute positioning</li><li>• velocity mode</li><li>• trapezoid</li></ul>   |

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## Agency Approvals

|                             |  |
|-----------------------------|--|
| <b>UL Listed File #</b>     | E157382                                |
| <b>UL Recognized File #</b> | None                                   |
| <b>UL Hazardous File #</b>  | None                                   |
| <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> |

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## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/D0-05AD.pdf>  
See store item page for other formats.

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