

D0-06DD2-D Cut Sheet



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

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



<https://www.automationdirect.com/pn/D0-06DD2-D>

Technical Specifications

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| Brand | DirectLOGIC |
| Item | PLC |
| Series | DL06 |
| Total Memory | 14.8k words |
| Ladder Memory | 7k words |
| User Data Memory | 7k words |
| Programming Language | Ladder |
| Programming Software | DirectSOFT programming software v4.0 or later |
| Communication Port and Connection Type(s) | <ul style="list-style-type: none"> • (1) RS-232 (RJ12) • (1) RS-232/RS-422/RS-485 (DB15HD female) |
| Port Protocol(s) | <ul style="list-style-type: none"> • DirectNET • Modbus RTU • ASCII • K-sequence • programming and monitoring |
| Port Speed(s) | <ul style="list-style-type: none"> • fixed at 9.6k baud • up to 38.4k baud |
| Real Time Clock/Calendar | Yes |
| Retentive Memory | Yes |
| Battery Backup | Yes |
| Maximum Expansion Modules Allowed | 4 |
| External Power Requirement | 12-24 VDC |
| Number of Discrete Input Points | 20 |
| Nominal Input Voltage | 12-24 VDC |
| Voltage Type | DC |
| Discrete Input Type | Sinking/sourcing |
| Number of Isolated Discrete Input Commons | 5 |
| Number of Points per Discrete Input Common | 4 |
| Frequency Response | 7 kHz |
| Number of Discrete Output Points | 16 |
| Nominal Output Voltage | 12-24 VDC |

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| Discrete Output Type | Sourcing |
| Load Current | 1A/point max |
| Number of Isolated Discrete Output Commons | 4 |
| Number of Points per Discrete Output Common | 4 |
| Maximum Switching Frequency | 10 kHz |
| Maximum Number of PID Loops | 8 |
| Number of High-Speed Capable Input Points | 4 |
| High-Speed Counter(s) | <ul style="list-style-type: none"> • up to (2) up counters • up to (1) down counter • up to (1) up/down counter • up to (1) quadrature (A and B) counter |
| Position Scaling | <ul style="list-style-type: none"> • up to (2) up counters • up to (1) down counter • up to (1) up/down counter • up to (1) quadrature (A and B) counter |
| Frequency Measurement | <ul style="list-style-type: none"> • up to (2) up counters • up to (1) down counter • up to (1) up/down counter • up to (1) quadrature (A and B) counter |
| Interrupt(s) | <ul style="list-style-type: none"> • up to (1) input interrupt • up to (1) timer interrupt |
| Number of High-Speed Capable Output Points | 2 |
| Output Pulse Mode(s) | <ul style="list-style-type: none"> • up to (1) PTO linear step/direction output • up to (1) PTO rotary clockwise/counter-clockwise (CW/CCW) output |
| Axis Profile(s) | <ul style="list-style-type: none"> • relative/absolute positioning • velocity mode • trapezoid |
| Additional Information | Purchase D2-BAT-1 backup battery separately |

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Agency Approvals

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| UL Listed File # | E157382 |
| UL Recognized File # | None |
| UL Hazardous File # | E200031 |
| CE | View CE declarations |
| CSA File # | None |
| RoHS Status | Yes (See CE Doc) |
| EU REACH | View EU REACH document |

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/D0-06DD2-D.pdf>
See store item page for other formats.
