

DL06 - For Practical On/Off Control

Check out the top six reasons why the DL06 is a great fit for discrete applications:



D0-06DD1
DC in/DC out/AC supply



D0-06DD2
DC in/DC out/AC Supply



D0-06DR
DC in/Relay out/AC supply



D0-06DA
DC in/AC out/AC supply



D0-06AR
AC in/Relay out/AC supply



D0-06AA
AC in/AC out/AC supply



D0-06DD1-D
DC in/DC out/DC supply



D0-06DD2-D
DC in/DC out/DC supply



D0-06DR-D
DC in/Relay out/DC supply

1 Thirty-six built-in I/O points on all models

All nine DL06 models include 20 inputs and 16 outputs for a total of 36 built-in discrete I/O in a variety of AC, DC and relay combinations. No need to spend money on a larger PLC to get the correct combination of AC, DC, or relay I/O needed for your application. Check out the rest of these I/O features:

- All DC inputs are sink/source capable
- Removable terminal blocks for easy wiring
- Standard M3 terminals suitable for common wire spades, lugs, etc.
- 300 mA 12/24 VDC auxiliary power supply included on AC models

2 Available in nine models

The DL06 PLC line includes nine models to choose from in both AC and DC powered models. With its wide range of power supply capabilities (100-240 VAC and 12-24 VDC), the DL06 won't need an additional transformer in most applications. This makes the DL06 a great fit for even high voltage, 220-240 VAC applications or remote 12 VDC applications, and everything in between.



DirectSOFT5 Programming full package

Flexible programming

3 Our FREE DirectSOFT programming package, PC-DS100,* combined with the powerful DL06 instruction set, makes programming your application simple and affordable. Check out these features:

- Supports over 230 instructions, including new *IBox* instructions, floating point math, FOR/NEXT loops, subroutines, immediate I/O, fill-in-the-blank ASCII in/out instructions and more
- Convenient features like compare contacts, bit-of-word addressing, and assignable nicknames make programming and troubleshooting simple
- Program in conventional ladder logic or use our RLL **PLUS** Stage programming, which combines the best of flowchart style programming with ladder logic.

* Maximum 100 word program size. For larger projects, see our full package, PC-DISOFT5.

4 Practical communications

The DL06 includes two serial communication ports on all models. Port 1 supports programming and operator interface connectivity, while Port 2 can be used for RS-232/422/485 networking, or ASCII in/out to other devices. This allows connectivity to an operator interface and networking to an AC drive or another PLC, all at the same time. Supports industry-standard Modbus RTU protocol (both master and slave on Port 2 up to 38.4K baud). Or, if you need additional ports, check out the D0-DCM module.



5 Discrete I/O option modules to mix and match

The large selection of discrete I/O option modules allow the DL06 to expand with the needs of your application for just a few dollars more. Take a look at these features:

- Smallest I/O module in its class
- Choose from 12 models
- Input, output and combination versions
- Removable terminal block
- **ZIPLink** compatible for 16-point versions

Module check

D0-10ND3	10-pt. DC In
D0-10TD1	10-pt. DC Out
D0-10ND3F	10-pt. Fast Response
F0-08NA-1	8-pt. AC In
D0-10TD2	10-pt. DC Out
D0-08CDD1	4-pt. DC In/4pt DC Out
D0-07CDR	4-pt. DC In/3pt Relay Out
D0-08TR	8-pt. Relay Out
F0-04TRS	4-pt. Isolated Relay
D0-16ND3	16-pt. DC In
D0-16TD1	16-pt. DC Out
D0-16TD2	16-pt. DC Out
F0-08SIM	8-pt. Input Simulator

Actual sizes

2 1/8 inches



3 inches

6 Easy connection to ZIPLink modules

The 16-point option modules can connect to a variety of **ZIPLink** modules, including low-cost feed-through terminals, and an optional fuse, LED, and even relay modules. Protect your valuable output devices by connecting the **ZIPLink** fuse modules to 16-point output option modules. Fuse modules include a fuse per point and a fuse per common for maximum protection, and all fuses are replaceable.

The convenient LED modules allow for easy status display of each connected 16-point input option module. Connect to high current loads like contactors, solenoids and hydraulic valves using the powerful 10A **ZIPLink** relay system. All relays are isolated and have a status LED. (See the **ZIPLink** section for our "five-second wiring solution.")

ZIPLink fuse module
ZL-CM16TF2

ZIPLink relay module
ZL-CM16RL24B

ZIPLink LED module
ZL-CM16L24

ZIPLink feed-through module
ZL-CM056