DL05/06 Option Modules

Need to expand your DL05 or DL06?

Customize your DL05 or DL06 PLC to fit your application by adding option modules in the built-in slots. You can add these features without adding size. We offer the following option modules:

- Discrete I/O modules
- Analog I/O modules
- DeviceNet slave module
- Etherent communications modules
- Profibus slave module
- High-Speed Counter module
- Data Communications module
- Triple-port Basic CoProcessor module

DL05 (only) Memory Module

Memory Module
D0-01MC

DL05 flash memory

The standard DL05 PLC uses non-volatile flash memory to back-up the user program. Program data (V-memory) is backed by a super capacitor. If you need longer retention of program data, we recommend the D0-01MC. We also recommend the D0-01MC for applications that require transferring programs without a programming device or that require a real-time clock.

Simple and inexpensive

The D0-01MC slides easily into the option module slot in any DL05 PLC to back up PLC programs and data for extended periods of time.

Battery-backed RAM

The memory cartridge makes programs portable from one DL05 PLC to another. The memory map is identical to the internal memory in the DL05 PLC, so no program changes are necessary.

The on-board lithium battery lasts up to three years. If PLC power is lost and the battery is already dead, an on-board super capacitor backs up the memory four to seven days, allowing time to insert a new battery.

Real-time clock

Access the year, month, day of the week, hour, minute and second for event scheduling or data logging applications.

Operation

The D0-01MC installs into any of the DL05 PLCs. The MC module backs up all ladder and data in CMOS RAM.

The module's V-memory maps one-for-one to the PLC's memory locations. If the memory cartridge is inserted in the option slot, it automatically becomes the source of the controlling program.

You may choose to overwrite the PLC program, but it is not necessary. You can

transfer the program from the PLC to the module, or from the module to the PLC, or you can operate directly from the memory cartridge. By removing the module, you return control to the PLC's internal program.

Two pushbuttons on the face of the module initiate memory transfers. The pushbuttons are clearly marked to indicate the direction of the transfer, and an LED flashes to confirm the direction and success of the memory transfer.

A jumper enables/disables the write function in the D0-01MC. Write disable prevents overwriting of the module's memory. Write enable allows overwriting of the module's memory.

An LED alerts you to a low battery condition. If the battery drops below 2.5V the "BATT" LED comes on, and an internal bit is set. You can use the internal bit to activate alarm functions or to execute an orderly shutdown.

The date and time are easily set or accessed in the ladder logic program. Environmental specifications for the D0-01MC are the same as for the DL05 PLCs.