



DL05 Option Cards



Want more from your DL05?

We built in an option card slot, so you can customize your DL05 PLC to fit your application. Now you can add features without adding size. Do you want to back up or transfer your memory programs? Get the optional memory cartridge and send your program around the building or around the world. Do you need to measure temperature or pressure? Get the 4-channel analog input module. Our list of option cards already includes a DeviceNet communication module, and more choices are on the way. Stay tuned to our Web site.



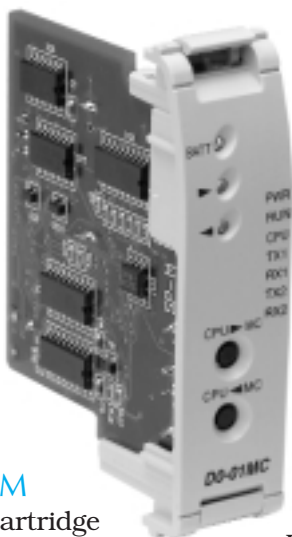
D0-01MC

Simple and inexpensive

The D0-01MC slides easily into the option card 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 4-7 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 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 you do not have to. You can transfer the program from the PLC to the MC, or from the MC to the PLC, or you can operate directly from the MC. 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 MC. Write disable prevents overwriting the MC memory. Write enable allows overwriting the MC 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. The "year" field contains four digits so it is ready for Y2K and beyond. Environmental specifications for the D0-01MC are the same as for the DL05 PLCs. UL and CE approvals are pending.