



PRODUCT FEATURE

AutomationDirect releases micro-sized PLC, temperature/process controllers, timers

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AutomationDirect has been busy expanding its product offerings. It recently added the Model DL06 micro PLC to its *Direct*LOGIC line of programmable controllers, and released three temperature and process controllers. It also announced a miniature DIN-rail timer and two types of $\frac{1}{16}$ timers, including a digital multimode timer.

Programmable controller features 36 to 100 I/O

The DL06 micro PLC (*center photo*) offers fixed models of 36 I/O points (starting at \$199), or up to 100 I/O points with expansion I/O. The PLC combines fixed I/O of 20 inputs and 16 outputs with four option card slots for expansion with discrete, analog, and communication modules. It is offered in a variety of I/O combinations and power supply options, including eight models of either ac or dc supplied units with combinations of ac, dc, and relay I/O.

Nine different discrete modules in 8, 10, and 16-point dc and relay versions are available, which start at \$42. In addition, four analog modules offer mA and voltage inputs and are priced from \$79.

The controller features 14.8 K total memory and 229 instructions, including 8 PID loops with built-in autotune capability. The device also offers two communication ports for programming and operator interface connectivity, as well as RS-232/422/485 networking, ASCII in/out, and Modbus RTU. Other features include integrated high-speed inputs and pulse outputs, and a built-in real-time clock/calendar.

For an additional \$59, an optional LCD operator interface is available. It snaps onto the front of the DL06 for OI functionality right at the PLC. The display features two rows by 16 characters, 14-point characters for easy readability, and seven function keys.

Automationdirect also has added new features to its

*Direct*SOFT32 programming software to accommodate the DL06. Priced at \$149, the software supports more than 220 instructions, such as floating point math, for/next loops, drum timer, subroutines, immediate I/O, and fill-in-the-blank ASCII instructions. The software has features to make troubleshooting easy, including compare contacts, bit-of-word addressing, and assignable nicknames. Programming can be done in ladder logic or RLL^{PLUS} Stage Programming.

Temperature/process controllers for DIN or panel mounting

Three temperature and process controllers (*left photo*) range from \$149 to \$229. Among them are a limit controller with two mechanical relays and universal inputs, including T/C, RTD, mA, mV and V; a temperature controller with two mechanical relays, one 4-20 mA output and T/C and RTD inputs; and a process controller with two mechanical relays or two solid state relays, one 4-20 mA output, and T/C, RTD, mA, mV, and V inputs. The temperature and process controllers also offer PID, autotune, and on/off control routines.

Miniature timers for rail and panel mounting

AutomationDirect has released a miniature DIN-rail timer and two types of $\frac{1}{16}$ timers, including a digital multimode timer (*right photo*). The timers feature DIN-rail or panel mounting and operating LEDs to check for proper operation. Four output modes can be selected for the multimode timers, including on-delay, flicker, one-shot, and off-delay. Timer outputs range from 2 A to 5 A with DPDT relays. Digital timers feature seconds to hours time ranges with decimal selection to meet a wide range of timing requirements. Prices run from \$35 to \$89.—AutomationDirect, 3505 Hutchinson Rd., Cumming, GA 30040, 800-633-0405, <http://www.automationdirect.com>.



(Left to right): AutomationDirect's temperature/process controllers, the DL06 micro PLC, and miniature DIN-rail and 1/16 timer families.