

# DCP 100

## Digital Controller Programmer

*Unmatched Programmer and Controller Performance at a Competitive Price*

The DCP 100 is a microprocessor-based 1/4 DIN programmer/controller that combines high functionality and high quality at a very competitive price. It is ideally suited for a large number of applications to control the process variable versus time. Typical applications include heat treating, environmental chambers, sterilizers, and dryers.

The DCP 100 provides excellent accuracy (0.25%), flexibility (plug-in options), and a simple man/machine interface. It can store up to 8 programs, and each program can include up to 16 segments. The DCP 100 offers you the ultimate in profile flexibility and ease-of-use simplicity.

### Unmatched Price

The DCP 100 has been designed to offer the best price/performance ratio in the industry.

### Friendly and Easy to Use

The three large displays, fully visible from oblique angles, and the six tactile feedback keys make the operator interface very simple and easy to use.

### Communicating

Within its standard configuration port and its optional communication facility, the DCP 100 can be fully configured from a PC. Recipe storage and profile editing become simple via Honeywell's Profile Editor software package.

### Flexibility

With features like universal inputs, universal power supply, and plug-in option boards, the DCP 100 will reduce inventory while offering flexibility for future upgrades.

### High Reliability Plus Two-year Warranty

The DCP 100 uses the latest microprocessor technology to conform to Honeywell's high quality standards. It is backed by a two-year warranty and Honeywell's Technical Assistance Center.

### Main Features

- 8 programs with 16 segments each
  - Sealed front face (NEMA 3/IP65)
  - Dual 4-digit display plus an 8 x 35 dot matrix display
  - Join program capability (up to 121 segments)
  - Real time clock
  - Universal input
  - Universal power supply (with low voltage option)
  - Plug-in input/output cards
- 6 digital inputs
  - 4 time event outputs
  - Dual alarm
  - End-of-program relay
  - RS485 ASCII communication
  - PC configuration
  - PV or SP retransmission
  - Output algorithm: Time, Current, Duplex



## Condensed Specifications

Accuracy	± 0.25% of span ± LSD
Sampling rate	Four times per second
Front-face protection	NEMA 3/IP65
Operating temperature	0°C to 55°C/32°F to 131°F
Relative humidity	20% to 95% non-condensing
Power supply	90 to 264 Vac 50/60 Hz 24 to 48 Vac/dc in option
Program capability	<ul style="list-style-type: none"> <li>• 8 programs with 16 segments</li> <li>• 128 segments free format (Ramp, Soak, Join or End)</li> <li>• Guaranteed soak applicable from 0 to Input span</li> <li>• Hot start and program ending strategy</li> <li>• Remote control: Run/Hold/Abort/x60</li> <li>• 4 Time Event Output programmable for each segment</li> </ul>
Control capability	ON-OFF, PID, PD+MR with pre-tune and self-tune Current proportioning: 4-20 mA Time Proportioning: Relay, SSR driver

## Product Dimensions

Front face	96x96 mm (3.78 x 3.78 inches)
Depth	100 mm (3.94 inches)
Panel cutout	92x92 mm (3.62 x 3.62 inches)

# Honeywell

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