DCP 100
Digital Controller Programmer
Unmatched Programmer and Controller Performance at a Competitive Price

The DCP 100 is a microprocessor-based 1/4 DIN pro-grammer/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 config-ured 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	• 8 programs with 16 segments • 128 segments free format (Ramp, Soak, Join or End) • Guaranteed soak applicable from 0 to Input span • Hot start and program ending strategy • Remote control: Run/Hold/Abort/x60 • 4 Time Event Output programmable for each segment
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)

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