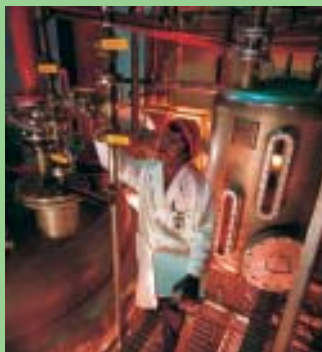
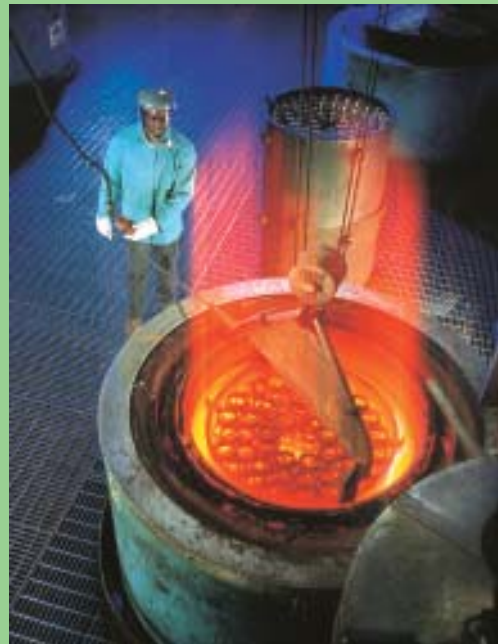




Controllers, Indicators and Set Point Programmers

COMPREHENSIVE SOLUTIONS FOR
ALL OF YOUR PROCESS NEEDS



Honeywell Controllers, Programmers and Indicators –

Honeywell wants to make your life easier—so we've designed a comprehensive line of Controllers, Programmers and Indicators that not only perform well, but are also designed to meet the complex demands of your working environment.

Do you need a dual loop controller to regulate the pressure and temperature of your process?

The Honeywell **UDC 3300** is an easy choice.

How about a controller to fit in that panel with limited space available?

The 1/16 DIN size **UDC 1000** is an easy solution.

Need an indicator with alarms?

The **UDI 1500** is the easy way to solve that problem.

Maybe you need a high performance Set Point Programmer with 99 programs and 99 segments?

The Honeywell **DCP 550** is the easy answer.



Reliable instrumentation is only part of the story. We want to make your life even easier. Honeywell supports your process with **extensive application experience, a global network of stocking distributors** and a strong reputation for **quality and service**. Thousands of controllers, programmers and indicators are installed in every process industry. However you control your process, from analog to digital inputs, and relay to milliamp outputs, Honeywell has products and services to meet your needs and **make your life a little...easier**.



the Easy Choice

General Purpose Controllers — Efficient, Effective, Easy

Efficient operation of your process demands accurate control at a cost effective price. Honeywell addresses these needs with a line of general purpose controllers at competitive prices. Included are temperature controllers with relay outputs for on-off control of ovens, and controllers with analog outputs to position actuators, valves and speed couplings. The UDC 700 1/32 DIN controller is your easy choice for applications where panel space is limited. Other features on selected models are digital inputs, alarm outputs and RS485 ASCII or Modbus communication.

Available on Selected Models

- Single or Dual Loop Control to match your needs
- Universal analog inputs for easy installation
- Analog or Digital outputs to control your process
- Digital outputs for alarming
- Digital inputs for selecting control functions
- Dial based operator interface
- NEMA 4 / IP66 front face for outside installation
- 1/32 to 1/4 DIN size to adapt to your panel
- RS 485 ASCII or Modbus for easy networking

UDC 100



UDC 700



UDC 1000



UDC 1500



Honeywell Controllers, Programmers and Indicators –

DIAGNOSIS MADE EASY WITH HEALTHWATCH™

Available on the UDC3300 Controller

HealthWatch™ diagnostic software makes it easy to diagnose the health of your system by using timers and counters in the controller to monitor vital process data. Early warning of potential problems is provided through alarming so that appropriate action can take place. HealthWatch data can be viewed on the local controller display or remotely via standard communication links.



Typical Applications

- Identify the number of times and duration that the process was “out of spec”
- Track thermocouple degradation and predict failure
- Configure alarms to activate signaling “time for preventative maintenance”
- Monitor and log time and duration the controller is in “automatic” or “manual”

User Benefits

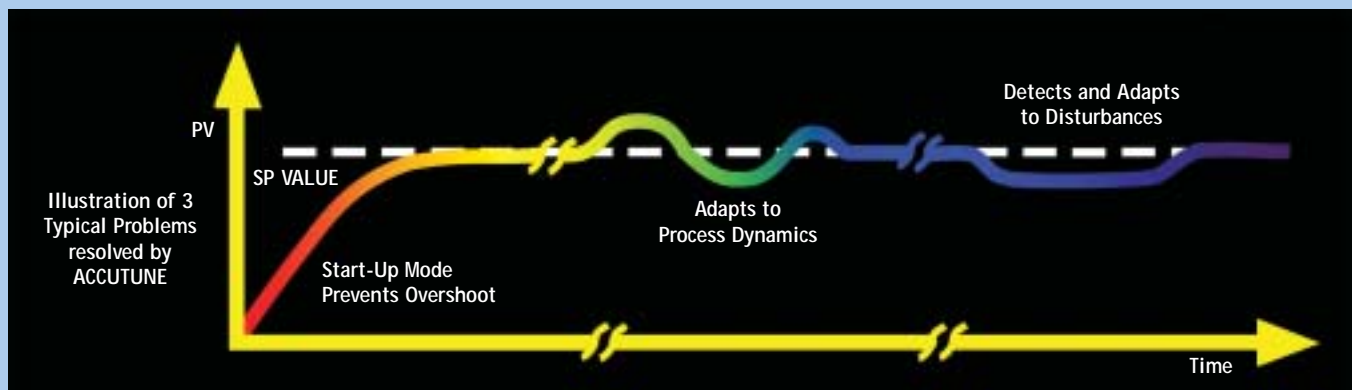
- Easy preventive maintenance
- Prolongs equipment life by monitoring vital functions
- Identifies product quality deviations
- Alarms “out of tolerance” parameters
- Reduces equipment downtime and increases throughput

EASY SYSTEM TUNING WITH ACCUTUNE™ II AND FUZZY LOGIC

Available on the UDC 2300, 3300 and 6300 Controllers

Accutune™ II provides a new truly plug-and-play tuning algorithm which will, at the touch of a button or through a digital input, accurately identify and tune any process, including integrating processes and those with deadtime. This speeds up and simplifies startup, plus allows automatic retuning at any setpoint. Also, Accutune adaptive tuning algorithm will automatically and continuously retune whenever a setpoint step change is implemented or whenever a process variable disturbance occurs.

Fuzzy logic is used to suppress process variable overshoot due to setpoint changes or externally induced process disturbances. It operates independently from Accutune tuning. It does not change PID constants, but temporarily modifies the internal controller response to suppress overshoot. This makes it easier to use more aggressive tuning to maintain smooth process variable responses. Fuzzy logic can be enabled or disabled depending on your application or the control criteria.



the Easy Choice

UDC 2300



UDC 3300



UDC 5000



UDC 6300



Enhanced Controllers Configuration and Operation made Quick and Easy

Honeywell offers a complete line of enhanced controllers with incremental levels of functionality and cost for processes requiring more than general purpose control. Available for both single-loop and dual-loop applications, this selection helps save you money because you only purchase the additional capability you need.

All Honeywell enhanced controllers feature easy to read prompts for quick configuration and operation. Unique features such as Accutune™ II and Fuzzy Logic overshoot protection, as well as Healthwatch diagnostic software, are available on selected models.

Available on Selected Models

- Single or dual loop control to match your needs
- Universal analog inputs for easy installation
- RH, Radiamatic, carbon and oxygen inputs
- Analog or digital outputs to control your process
- Digital outputs for alarming
- Digital inputs for selecting control functions
- Vertical bar display for easy operator monitoring
- Healthwatch™ diagnostic software
- Accutune™ II tuning and Fuzzy Logic Overshoot Protection
- RS 422/485 ASCII or Modbus RTU for easy networking



Honeywell Controllers, Programmers and Indicators –



UDC 703



UDI 1500



UDC 2301



Indicators

High Performance, Quality and a Price that's Easy on your Budget

Honeywell single and dual digital indicators provide display of process variables with a wide choice of functionality. These indicators combine high performance and quality at an affordable price, making them ideally suited for most applications. Honeywell indicators are perfect companions for applications requiring both control and accurate indication. They are based on the same field proven design platform as our controllers.

Available on Selected Models

- Universal analog inputs for easy installation
- RH, Radiamatic inputs
- Digital outputs for alarming
- 24 VDC transmitter power supply
- 1/32 to 1/4 DIN size
- RS 422/485 ASCII or Modbus RTU for easy networking

the Easy Choice

Set Point Programmers From Basic to Complex — it's an Easy Choice

Digital control programmers perform predetermined processing or testing schedules on a time-versus-set point program. Honeywell offers programmers that perform basic to complex recipes and feature universal inputs. Available in single and multi-channel models, Honeywell programmers can support up to 99 program profiles with up to 99 segments per profile.

Available on Selected Models

- 4 to 99 programs, 16 to 99 segments per program
- Single or dual loop control to match your needs
- Universal analog inputs for easy installation
- Analog or digital outputs to control your process
- RH inputs
- Digital outputs for alarming
- Digital inputs for selecting control functions
- 1/32 to 1/4 DIN size
- RS 485 ASCII or Modbus for easy networking

DCP 50



DCP 100



DCP 300



DCP 550



Condensed Specifications

Controllers	Loops	Digital Outputs Control	Analog Inputs/ Analog Outputs	Digital Inputs/ Alarm Outputs	Panel Size
UDC 100	1 or 2	1 or 2	1 or 2 / 0	0 / 1	1/4 DIN
UDC 700	1	1 or 2	1 / 0	0 / 1 or 2	1/32 DIN
UDC 1000	1	1 or 2	1 / 1, 2 or 3	1 / 1 or 2	1/16 DIN
UDC 1500	1	1 or 2	1 / 1, 2 or 3	1 / 1 or 2	1/8 DIN
UDC 2300	1	1 or 2	2 / 2	1 / 1 or 2	1/4 DIN
UDC 3300	1 or 2	1 or 2	2 or 3 / 2	0 or 2 / 0, 1 or 2	1/4 DIN
UDC 5000	1 or 2	1 or 2	3 / 2	2 / 0 or 2	100x150mm
UDC 6300	1 or 2	1 or 2	5 / 2	2 to 6 / 0 or 4	72x144mm

Indicators	Analog Inputs	Display Type	Digital Inputs/ Alarm Outputs	Transmitter Power	Panel Size
UDC 703	1	4 Digit LED	0 / 2	No	1/32 DIN
UDI 1500	1	4 Digit LED	1 / 3	Yes	1/8 DIN
UDC 230I	1	4 Digit VF	0 / 0 or 2	No	1/4 DIN

Set Point Programmers	Loops	Programs/ Program Segments	Analog Inputs/ Analog Outputs	Digital Inputs/ Alarm Outputs	Panel Size
DCP 50	1	4 / 16	1 / 1, 2 or 3	1 / 1 or 2	1/16 DIN
DCP 100	1	8 / 16	1 / 1, 2 or 3	6 / 8	1/4 DIN
DCP 300	1 or 2	19 / 30	1 or 2 / 1, 2 or 3	12 / 8	1/4 DIN
DCP 550	1 or 2	99 / 99 *	1 or 2 / 1, 2 or 3	16 / 16 events	1 DIN

* 2000 total max

Sales and Application Support

At Honeywell, we back all of our products with a Technical Assistance Center staffed with engineers and technicians with solid product knowledge, ready to assist you with your Instrumentation and Control needs.

Warranty/Remedy

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local Honeywell sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective.

The foregoing is Buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability or fitness for a particular purpose.

Specifications may change without notice. The information supplied is believed to be accurate and reliable as of this printing, however we assume no responsibility for its use. While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.



Honeywell Industrial Measurement and Control

Honeywell Industrial Measurement and Control offers a complete portfolio of products and solutions for process and machine control applications, including controllers, recorders, transmitters, actuators, smart sensors, and analytical instruments. To learn more about these offerings and how they can help your organization achieve breakthrough results, contact your local Honeywell representative, or contact us at the following phone numbers:



U.S.: 1-800-784-3011	France: 33 1 60 19 82 68
Canada: 1-800-461-0013	Italy: 39 02 9214 450/456
UK: 44 1698 481481	Spain: 34 91 313 6100
Germany: 49 69 8064 444	Latin America: 1-305-805-8188
Asia/Pacific: 65 355 2828	

For other locations, visit our website:
<http://www.honeywell.com/imc>

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