CONTROL PROCESSES
CONNECT PEOPLE AND CUT COSTS

Elevate process control performance with enhanced display, faster configuration, more accurate, and easy-to-use UDC2800
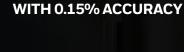
Honeywell

BETTER ACROSS THE BOARD

> The UDC2800 is Honeywell's most powerful panel-based single loop temperature controller ever. With enhanced performance, Bluetooth configuration and remote connectivity, it's a better solution for control of furnaces, ovens, boilers, heaters, environmental chambers, cookers, dryers and freezers.

A single solution upgrade from both our UDC3200 and UDC2500 controllers, UDC2800 provides enhanced visibility, more accurate control and a lower cost of ownership for a wide range of applications while keeping full compatibility:

Better control, and control for your costs – it's the smart solution for temperature control and heat treatment applications across aerospace, pharmaceuticals, glass, food and beverages.

- **40% MORE PRECISE WITH 0.15% ACCURACY**

- **DETECT TRENDS 40% FASTER WITH 100 MILLISECOND SAMPLE SPEED**

- **COMPLIANT WITH AMS2750F**

- **ENHANCED APPLICATION FLEXIBILITY – UP TO 64 SETPOINT SEGMENTS**
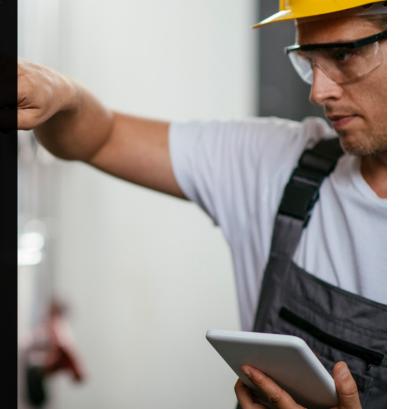
- **10% ENERGY SAVINGS**

- **CLONE CONFIGURATION IN SECONDS WITH UNIQUE BLUETOOTH CONNECTIVITY AND IOS APP**

- **IMPROVE VISIBILITY WITH A TFT FULL-COLOR DISPLAY**

PUTTING YOU IN CONTROL

The UDC2800 helps capture trends more quickly and more accurately to meet regulatory requirements, optimize performance, ensure product quality and minimize waste.

With up to 64 setpoint segments and four PID sets, it supports a wide range of inputs as standard – RTD, TC, mV, mA, RH, carbon and oxygen – as well as two universal analog inputs increase its versatility even further. Accutune III automatic retuning and fuzzy logic overshoot suppression ensure the UDC2800 is everything you need for confident control. UDC2800 can display more digits which is compliant with AMS2750F.

UDC2800 MEETS THE REQUIREMENTS OF EVEN THE MOST DEMANDING APPLICATIONS:

- ASM2750F aerospace industry

- FM Approval as a high limit as required for heat treatment (coming soon)

- NEMA4X wash down for food and beverage applications

- IP66 design

CUTTING YOUR COSTS

Honeywell's UDC2800 is the first standalone controller of its type to offer simpler configuration and maintenance through Bluetooth. With our iOS EasySet app (and Android support in development), users can clone device configuration in seconds. They can also download, review and share diagnostic data for faster troubleshooting and maintenance.

We also enable remote connectivity with Chamber-IQ to get data access remotely before going to the field.

It can reduce 50% of trouble shoot trip time and cost. Chamber IQ communication means alarm data can be sent directly to cell phones for real-time alerts of abnormal situations via Modbus modem option. On the device, meanwhile, the large, full-color intuitive TFT display is easy to read and allows operators to identify and resolve alarms and other abnormal conditions faster.

Combining the functionality of our UDC3200 and UDC2500 controllers in a single solution with enhanced performance, UDC2800 simplifies maintenance, stock management and orders. It's an efficient and powerful solution for all your temperature control needs.

TAKING CARE OF EXISTING CUSTOMERS...

Completely backward compatible, UDC2800 keeps the form factor and arrangement of our previous controllers. It's the same 1/4 DIN size, and the rear case and terminal designs remain. So, too, does the setup structure. It's a simple swap-out without rewiring for existing applications and original equipment manufacturers of industrial furnaces and ovens, boilers, food and beverage ovens and environmental chambers using our legacy products.

With RS485 Modbus RTU, Ethernet 10/100M Base-T TCP/IP or Bluetooth communication, we've also ensured easy configuration and upgrades in the field. Add optional features when you need them and without hassle.

INTRODUCING NEW HONEYWELL PROCESS INSTRUMENTS

The UDC2800 universal digital controller is the first device in Honeywell's Process Instruments new solutions. Offering standalone devices for demanding applications, new solution delivers Bluetooth connectivity, intuitive designs, a versatile range of inputs and remote connectivity options – all on our consistent, powerful platform.

For more information

About Honeywell Process Instruments or how the UDC2800 could improve your profile, contact your Honeywell representative today.

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**THE
FUTURE
IS
WHAT
WE
MAKE IT**

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