CONTROL PROCESSES
CONNECT PEOPLE AND CUT COSTS

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

finest in controls
loy
INSTRUMENT, INC.

Honeywell

MODE
Manual
ALARM
1 2
DI
1 2
DO
1 2

PV -7235448832
SP   400
⚠ FailSafe   (2/2)
OUT   0.1 %

Setup   Function   ▲   ▼   Lower Display   Man Auto
Run/Hold

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.

- **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**

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.

MODEL NUMBER INTERPRETATION

Instructions

- Select the desired key number. The arrow to the right marks the selection available.
- Make the desired selections from Tables I through VI using the column below the proper arrow. A dot (•) denotes availability.

Key Number | I | II | III | IV | V | VI

[_ _ _ _ _ _] - [_ _] - [_ _ _] - [_ _ _] - [_ _ _] - [_ _] | [_]

KEY NUMBER

Description	Selection Availability		
Digital Controller for use with 100 to 240Vac Power	DC2800	↓	
Digital Controller for use with 24Vac/dc Power	DC2900		↓

TABLE I - Specify Control Output and/or Alarms

Output #1	Current Output (4 to 20ma, 0 to 20ma)	C _	*	*
	Electro Mechanical Relay(5 Amp Form C)	E _	*	*
	Open Collector transistor output	T _	*	*
	Dual 2 Amp Relays (Both are Form A) (Heat/Cool Applications)	R _	*	*
Output #2 and Alarm #1 or Alarms 1 and 2	No Additional Outputs or Alarms	_ 0	*	*
	One Alarm Relay Only	_ B	*	*
	E-M Relay(5 Amp Form C) Plus Alarm 1 (5 Amp Form C Relay)	_ E	*	*
	Open Collector Plus Alarm 1 (5 Amp Form C Relay)	_ T	*	*

TABLE II - Communications and Software

Communications	None	0 _ _	*	*
	Auxiliary Output/Digital Inputs (1 Aux and 1 DI or 2 DI)	1 _ _	*	*
	RS-485 Modbus Plus Auxiliary Output/Digital Inputs	2 _ _	*	*
	10/100M Base-T Ethernet (Modbus RTU) Plus Auxiliary Output/Digital	3 _ _	*	*
Software	Standard Software	_ S _	*	*
	Standard S/W and Setpoint Program	_ F _	*	*
Future Options	None	_ _ 0	*	*

TABLE III - Input 1 can be changed in the field using external resistors

Input 1	TC, RTD, mV, 0-5V, 1-5V, 0-10V	1 _ _	*	*
	TC, RTD, mV, 0-5V, 1-5V, 0-10V, 0-20mA, 4-20mA	2 _ _	*	*
Input 2	None	_ 00	*	*
	TC, RTD, mV, 0-5V, 1-5V, 0-10V	_ 10	*	*
	TC, RTD, mV, 0-5V, 1-5V, 0-10V, 0-20mA, 4-20mA	_ 20	*	*
	Carbon, Oxygen or Dewpoint (Provides 2 Inputs)	_ 60	b	b

TABLE IV - Options

Approvals	CE (Standard)	0 _ _	*	*
	CE, UL, and CSA	1 _ _	*	*
Tags	None	_ 0 _	*	*
	Stainless Steel Customer ID Tag - 3 lines w/22 characters/line	_ T _	*	*
Future Options	None	_ _ 0	*	*

TABLE V - Documentation

Documents	Quick Start Guide - English	0 _	*	*
Certificate	None	_ 0	*	*
	Certificate of Conformance (F3391)	_ C	*	*

TABLE VI - Extended Warranty

Extended Warranty	None	0	*	*
	Extended Warranty Additional 1 year	1	*	*
	Extended Warranty Additional 2 years	2	*	*

RESTRICTIONS

Restriction Letters	Available Only With		Not Available With	
	Table	Selection	Table	Selection
b	III	1 _ _		

Model Number Interpretation