

# Honeywell

## DC1000 Digital Controller

Effective Date: December 01, 2008

30-10-20-08-EN ISSUE 2

## Model Selection Guide with Price Data

Honeywell Proprietary

### Instructions

- Select the desired Key Number. The arrow to the right marks the selections available.
- Make one selection each from Tables I through III using the column below the proper arrow.
- A dot (\*) denotes unrestricted availability. A letter denotes restricted availability.

Key Numbers  
DC10\_ \_ \_ \_ - [ I ] - [ II ] - [ II ]



### KEY NUMBER

	Description	Selection
<b>Size</b>	48 x 48 mm (DIN) 1/16)	DC101_ _ _
	48 x 96 mm (DIN 1/8)	DC102_ _ _
	72 x 72 mm	DC103_ _ _
	96 x 96 (DIN 1/4)	DC104_ _ _
<b>Power &amp; Approvals</b>	90-240 Vac Power / CE	DC10_0_ _
	15-50 Vdc Power / CE	DC10_1_ _
	90-240 Vac Power / IP 65 / CE	DC10_2_ _
	15-50 Vdc Power / IP65 / CE	DC10_3_ _
	90-240 Vac Power / IP65 / CE / UL Agency Approval	DC10_4_ _
<b>Program</b>	None	DC10_ _C_
	Program (2 patterns, 8 segments per 1 pattern)	DC10_ _P_
<b>Input</b>	RTD (热电阻)	DC10_ _ _R
	TC (热电偶)	DC10_ _ _T
	Linear	DC10_ _ _L

Availability			
↓	↓	↓	↓
•	•	•	•
b	b	b	b
•	•	•	•
b	b	b	b
•	•	•	•
b	b	b	b
•	•	•	•
•	•	•	•
•	•	•	•

### TABLE I

<b>Control Output 1</b>	None	0_ _
	Relay, Contact, SPDT, 3A / 240 VAC	1_ _
	Volt, Voltage Pulse, 20VDC / 20 mA	2_ _
	mA Current, 4-20mA	3_ _
	Three Position Step Motor Control	7_ _
	0-5 V	A_ _
	0-10 V	B_ _
	1-5 V	C_ _
	2-10 V	D_ _
	<b>Control Output 2 (Heat/Cool)</b>	None
Relay, Contact, SPDT, 3A / 240VAC		_ 1 _
Volt, Voltage Pulse, 20VDC / 20mA		_ 2 _
mA Current, 4-20mA		_ 3 _
0-5V		_ A _
0-10V		_ B _
1-5V		_ C _
2-10V		_ D _
<b>Alarm Event &amp; Heat Break Alarm</b>	1 Alarm Relay	_ _ 1
	2 Alarm Relays	_ _ 2
	3 Alarm Relays	_ _ 3
	HBA	_ _ A
	HBA + 1 Alarm Relay	_ _ B
	HBA + 2 Alarm Relay	_ _ C

•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	c	d	c
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
e	•	i	•
f	g	j	•
	h		k
e'	p	i'	•
	g'	j'	•
	h'		k'

\* HBA is available only in case OUT1=1 or OUT1=2.

Table II			Availability				
			DC10_ _ _ _	10	20	30	40
			Selection	↓	↓	↓	↓
Transmitter	None	0 _ _	•	•	•	•	
	4-20 mA	1 _ _	•	•	•	•	
	0-20 mA	2 _ _	•	•	•	•	
	0-5 V	A _ _	•	•	•	•	
	0-10 V	B _ _	•	•	•	•	
	1-5 V	C _ _	•	•	•	•	
	2-10 V	D _ _	•	•	•	•	
Remote SP	None	_ 0 _	•	•	•	•	
	4-20 mA	_ 1 _					
	0-20 mA	_ 2 _					
	0-5 V	_ A _					
	0-10 V	_ B _					
	1-5 V	_ C _					
	2-10 V	_ D _					
Communication	None	_ _ 0	•	•	•	•	
	RS-232	_ _ 1	m	n	•	•	
	RS-485	_ _ 2	m	n	•	•	
	RS-232 (Modbus RTU)	_ _ A	m	n	•	•	
	RS-485 (Modbus RTU)	_ _ B	m	n	•	•	

TABLE III

Manual	English	E	•	•	•	•
	Chinese	C				
	French	F				
	Korean	K	•	•	•	•

RESTRICTIONS / NOTES

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
b			II	X _ _
c	I	_ 0 1, _ 0 2		
d	I & II	DC10_ _ _ _ - _ 0 1 - _ 0 _ - _		
e, e'			I & II	DC10_ _ _ _ - _ X _ - _ 1 - _ DC10_ _ _ _ - _ X _ - _ A - _
e'			I	_ X _
f			I & II	DC10_ _ _ _ - _ X _ - X _ - _ DC10_ _ _ _ - _ X _ - _ X _ - _
g, g'			I & II	DC10_ _ _ _ - _ X _ - X _ - _
g'			II	X X _
h, h'	I & II	DC10_ _ _ _ - _ 0 _ - 0 _ 0 - _		
h'			II	_ X _
i, i'			I & II	DC10_ _ _ _ - _ X _ - _ X _ - _
i'			II	X _ X
j, j'	I & II	DC10_ _ _ _ - _ 0 _ - _ 0 _ - _		
j'			II	X _ X
k, k'	I	_ 0 _		
k'			II	_ X _
l				DC10_ _ _ P
m			II	X _ _
n			II	X X _
p			II	_ X _

\* X : Option Selected  
 0 : Option Not Selected