

## UDC100 Digital Controller

## Model Selection Guide with Price Data

Model Selection Guide  
51-51-16-64 Issue 4

Honeywell Proprietary

### Instructions

- Select the desired key number. The arrow to the right marks the selection available.
- Make one selection each from Table I thru III using the column below the proper arrow.
- A dot (•) denotes unrestricted availability.

List Price equals the sum of all prices for all selections made.

Key Number

DC1	__	-	I	-	II	-	III	-	IV	-	V	-	VI	-	VII
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### KEY NUMBER

KEY NUMBER	Description	Selection					Availability						
1/4 DIN Controller	Single loop controller single display	DC10N	↓										
	Single loop controller dual display	DC10D		↓									
	Single loop dual display + 1 alarm	DC11A			↓								
	Single loop dual display + timer	DC11T				↓							
	Dual loop dual display	DC12N					↓						

### TABLE I

Control Output Type	Description	Selection	Availability	Availability	Availability	Availability	Availability
	Electromechanical relay SPDT 10 amps	R	•	•	•	•	•
	SSR driver 12Vdc	S	•	•	•	•	•

### TABLE II

Power Supply and Frequency	Description	Selection	Availability	Availability	Availability	Availability	Availability
	115/230 Vac	0 _	•	•	•	•	•
	24/48 Vac	1 _	•	•	•	•	•
	24/230 Vac	2 _	•	•	•	•	•
	50 Hz	_ 0	•	•	•	•	•
	60 Hz	_ 1	•	•	•	•	•

### TABLE III

Input Type (Note 1)	Description	Selection	Availability	Availability	Availability	Availability	Availability
	T/C J : 0-300° C	JC1	•	•	•	•	•
	T/C J : 0-400° C	JC2	•	•	•	•	•
	T/C J : 0-537° C	JC3	•	•	•	•	•
	T/C J : 0-870° C	JC4	•	•	•	•	•
	T/C K : 0-537° C	KC1	•	•	•	•	•
	T/C K : 0-999° C	KC2	•	•	•	•	•
	T/C K : 0-1300° C (4 digit display)	KC3	•	•	•	•	•
	T/C T : 0-400° C	TC1	•	•	•	•	•
	T/C L : 0-500° C	LC1	•	•	•	•	•
	T/C S : 0-1600° C (4 digit display)	SC1	•	•	•	•	•
	T/C R : 0-1600° C (4 digit display)	RC1	•	•	•	•	•
	T/C N : 0-1300° C (4 digit display)	NC1	•	•	•	•	•
	PT100 : 0-100° C	PC1	•	•	•	•	•
	PT100 : 0-200° C	PC2	•	•	•	•	•
	PT100 : 0-400° C	PC3	•	•	•	•	•
	PT100 : -40-60° C (Note 4)	PC4	•	•	•	•	•
	PT100 : 0-600° C	PC6	•	•	•	•	•

TABLE III (continued)		DC Selection	Availability				
			10N	10D	11A	11T	12N
Input Type	T/C J : 32-572° F	JF1	•	•	•	•	•
	T/C J : 32-752° F	JF2	•	•	•	•	•
	T/C J : 32-999° F	JF3	•	•	•	•	•
	T/C K : 32-999° F	KF1	•	•	•	•	•
	T/C K : 32-2372° F (4 digit display)	KF2	•	•	•	•	•
	T/C T : 32-752° F	TF1	•	•	•	•	•
	T/C L : 32-932° F	LF1	•	•	•	•	•
	T/C S : 32-2912° F (4 digit display)	SF1	•	•	•	•	•
	T/C R : 32-2912° F (4 digit display)	RF1	•	•	•	•	•
	T/C N : 32-2912° F (4 digit display)	NF1	•	•	•	•	•
	PT100 : 32-212° F	PF1	•	•	•	•	•
	PT100 : 32-392° F	PF2	•	•	•	•	•
	PT100 : 32-752° F	PF3	•	•	•	•	•
	PT100 : -40-140° F (Note 4)	PF4	•	•	•	•	•
	PT100 : 32-1112° F (4 digit display)	PF6	•	•	•	•	•
	Linear 10-50 mV / 4-20 mA (Note 2)	LN1	•	•	•	•	•
	Linear 0-50mV / 0-20 mA (Note 2)	LN2	•	•	•	•	•

TABLE IV						
Alarm Type	None	0 0	•	•	•	•
	PV High	P H			•	
	PV Low	P L			•	
	Dev High	D H			•	
	Dev Low	D L			•	
	Band	B A			•	

TABLE V						
Custom Configuration	None	0 0	•	•	•	•
	PID Algorithm (4 digit display) (Note 3)	0 1	•	•	•	•
	Special: Consult Factory	X X	•	•	•	•

TABLE VI						
No Selection	None	0	•	•	•	•

TABLE VII						
Custom Model	None	0 0 0 0	•	•	•	•
	Completed Configuration Sheet Required	X X X X	•	•	•	•

Note 1: Standard is 3 digit display except as noted. 3 digit display units cannot be field configured to 4 digit display inputs.  
Note 2: High & low limit range default values are 100 & 0 respectively. Contact Ft. Washington Marketing if other values needed  
Note 3: PID setting can be accessed via front panel. Without this option, all UDC100 controllers are 'on/off' controllers  
Note 4: Input accuracy of 0.5% span is only guaranteed by factory selection (field configuration gives 1% accuracy)

Accessories	
Configurator	UDC100 PC Configuration Package : Part # 46191310-501