

DC1000 Digital Controller

Model Selection Guide

(Ref. 51-51-16-86)

Special Features

- **Low Cost PID Digital Controller**
- **Available in four (4) different sizes: 1/16 DIN, 1/8 DIN, 3/16 DIN, 1/4 DIN**
- **Dual Display and Bar Graph**
- **Set Point Programming**
- **Communications, RS232/485 ASCII**



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 III IV

KEY NUMBER

	Description	Selection	Availability			
Size	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_ _ _				↓
Power	90-240 Vac Power/CE Mark	DC10_0_ _	•	•	•	•
	90-240 Vac Power/IP65/CE/cUL Agency Approval	DC10_4_ _	•	•	•	•
	15-50 VDC Power/IP65/CE/cUL Agency Approval	DC10_5_ _	•	•	•	•
Program	None	DC10_ _C_	•	•	•	•
	Program (2 patterns, 8 segments per 1 pattern)	DC10_ _P_	•	•	•	•
Input	RTD	DC10_ _R_	•	•	•	•
	TC	DC10_ _T_	•	•	•	•
	Linear	DC10_ _L_	•	•	•	•

TABLE I

Output #1 (Control Output)	None	0_ _	•	•	•	•
	Relay, Contact, SPDT, 3A / 240 VAC	1_ _	•	•	•	•
	Volt, Voltage Pulse, 20VDC / 20 mA	2_ _	•	•	•	•
	mA Current, 4-20mA	3_ _	•	•	•	•
	Open loop motor control	7_ _		a	b	a
	0-5 V	A_ _	•	•	•	•
	0-10 V	B_ _	•	•	•	•
	1-5 V	C_ _	•	•	•	•
2-10 V	D_ _	•	•	•	•	
Output #2 (Control Output)	None	_0_	•	•	•	•
	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_	•	•	•	•	
Alarm	None	_ _0	•	•	•	•
	1 Alarm Relay	_ _1	c	•	•	•
	2 Alarm Relays	_ _2	d	e	h	•
	3 Alarm Relays	_ _3	•	f	i	j

Table II			Availability			
			1	2	3	4
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 Setpoint Input	None	_0_	•	•	•
Remote Setpoint Input	4-20 mA	_1_	o	k	k	k
	0-20 mA	_2_	o	k	k	k
	0-5 V	_A_	o	k	k	k
	0-10 V	_B_	o	k	k	k
	1-5 V	_C_	o	k	k	k
	2-10 V	_D_	o	k	k	k
	Communication	None	--0	•	•	•
Communication	RS-232	--A	m	n	•	•
	RS-485	--B	p	n	•	•

TABLE III

Manuals	English	E	•	•	•	•
	Chinese	C	•	•	•	•
	Korean	K	•	•	•	•
	French	F	•	•	•	•
	Italian	I				
	Spanish	S				
	German	G				

TABLE IV

Extended Warranty	None	0	•	•	•	•
	Extended Warranty - 1 yr.	1	•	•	•	•
	Extended Warranty - 2 yr.	2	•	•	•	•

RESTRICTIONS/NOTES

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
a	I	_02		
b	I	_01		
c	II	_00 or 0_B		
d	II	000	II	__A
	I	_0_		
	II	_00 or 0_0 or 00B		
e	II	0_0 or 00_		
	I	_0_		
	II	0__ or _0_ or __0		
f	I	_0_		
	II	_00 or 0_0 or 00_		
h	I	_0_		
	II	_0_		
i	I	_0_		
	II	_0_ or 0__ or __0		
j	I	_0_		
k				DC102_P_ , DC103_P_ , DC104_P_
m	I	_01		
	II	00A		
n	I	_03 or __2		
	II	00A or 00B		

RESTRICTIONS/NOTES *(continued)*

o	I II	_01 0_B		DC101_P_
p	I II	_01 _0B		
	I II	_02 or _11 00B		