





EN 6000B1 - Series is PID Controller available in standard & profile
PID Controllers Programmable : 8 Patterns 16 Step (128 Segment Programmable
control curve) Standard & Profile Programmable, motorised valve (Position
proportion type) with up to 3 Input signal & 2 control output / 4 Alarm with
optional communication : RS232 / RS485 / MODBUS

EN 6000B3 - Series is Micro-processor based panel meter in single & Dual Loop, Dual or Three Display Universal input, upto 6 Alarm or 4 Alarm + 2 Re-transmission Output, optional Arithmetic function (Add, deduct, Average, multiply, Div. etc.)

EN 6000B4 - Series is Micro-processor based Servo Controller with current output, current output + Standby, Positive / Negative Rotation, Positive / Negative Rotation + Standby Current Re-transmission, optional Communication: RS232 / RS485

EN 6000B5 - Series is Micro-processor based Flow & Thermal Capacity Accumulator is available with Standard Flow Capacity Accumulator with or without compensation (1 or 3 Channel) Superheated Steam flow & thermal capacity accumulator & Saturated Steam flow & thermal capacity Accumulator with Frequency Signal Input, 2 output & 2 Alarm with optional Serial Printer Interface / RS232 / RS485/ Current Re-transmission etc.

EN 6000B6 - Series is Micro-processor based Universal Input Temperature Scanner available in 8 Channel & 16 Channel. Optional: 2 common High and Low Alarm, Individual Alarm High & Low for each channel by external PCB Card. Current Re-transmission of 1 channel Programmable, Serial Printer Interface, RS485 / RS232 communication.

## \* PLEASE SEE ORDERING INFORMATION













## EN-6000B1 Digital Controller/Dual-loop



EN-60061						•	•								
Position-proportion type (positive/negative rotation of motor control type)   Programmable standard type (8 Profile of 16 segment each, programmable control curve)	E	N-6000B1													DESCRIPTION
March   Continue   C		EN-6000B1	1		П	Г	Г	Г	Г	Г	T		Т	T	Standard type (fixed value control type)
Programmable Position-proportion type (B Profile of 16 segment each, programmable control curve Heart / cool control type) (Seed value control type)		EN-6000B1	2											ı	
EN-80081   5	0	EN-6000B1	3		Ī	Г	Г			Г	T		Ť	Ť	Programmable standard type (8 Profile of 16 segment each, programmable control curve)
Heat / cool control type ( 8 Profile of 16 segment each, programmable control curve )	0	EN-6000B1	4				Г	Г		Г	Г		Т	T	Programmable Position-proportion type (8 Profile of 16 segment each, programmable control curve)
1	Σ	EN-6000B1	5					Г		Γ			Т	T	Heat / cool control type ( fixed value control type )
Overall dimensions		EN-6000B1	6										Г	Т	Heat / cool control type ( 8 Profile of 16 segment each, programmable control curve )
Overall climensions				1									Τ	Τ	48 x 48
Continue	dimensions (WxH)			2									Т	Τ	72 x 72
( M x H ) ( mm x mm )				3									Т	Г	96 x 96
mm x mm				4									Г	Г	48 x 96
Rot available for 48 x 48   Size				5									Ι		96 x 48
Input 2 ( not available for 48 x 48   Size)				6			Г						Τ	T	160 x 80
Input 2 ( not available for 48 x 48   Size)				7											80 x 160
1				8											48 x 96 (3 LED )
Input 2 ( not available for 48 x 48   Size)					0								Т	Т	NONE
Input 2 ( not available for 48 x 48   Size)					1		Г			Γ			Т	Т	0 ~ 20mA input
A x 4 x 4 x 4 x 4 x 4 x 4 x 4 x 4 x 4 x				2		Г	Г		Г	Г		Т	Т	0 ~ 10mA input	
Size					3		Г	Г		Г	Г		Т	Т	4 ~ 20mA input
1		48 x 48			4		Г			Г			T	T	0 ~ 5VDC input
S   Custom					5					Г			T	T	1 ~ 5VDC input
1					6			Г		Г	Г		Т	Т	0 ~10VDC input
1					9								Т	Т	Custom
Input 3   (not available for 48 x 48   Size)     4							Г	Г		Г			Т	Т	NONE
Input 3   3   4 ~ 20mA input						1	Г			Г			Т	Г	0 ~ 20mA input
(not available for 48 x 48   3						2		Г		Г	Г	Г	Т	Т	0 ~ 10mA input
Size	(			for		3							Г		4 ~ 20mA input
1 - 5VDC input   0 - 10VDC input   0 - 10VDC input   7   Resistance input (100Ω ~ 3KΩ)   9   Custom   NONE     1   Relay (1A or 3A to be specify - Resistance load )   2   Solid state relay (SSR) Driver (13V±VDC, Max 30mA)   3   Zero - crossing 1-phase Silicon-controlled rectifier (SCR)   2   Zero - crossing 3 - phase Silicon-controlled rectifier (SCR)   5   Phase control 1 - phase Silicon-controlled rectifier (SCR)   6   Phase control 3 - phase Silicon-controlled rectifier (SCR)   7   Linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC)   8   Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC)			1			4				Г			Т	Т	0 ~ 5VDC input
Resistance input ( 100Ω ~ 3KΩ)		3(20)				5				Г			Т	T	1 ~ 5VDC input
Custom						6	Г	Г		Γ		Г	Т	Т	0 ~10VDC input
NONE						7	Г	Г	П	Г	Г	Г	Т	Т	Resistance input ( 100Ω ~ 3KΩ)
Relay ( 1A or 3A to be specify - Resistance load )   2						9	Г	Г		Г	Г		Т	Т	Custom
2 Solid state relay ( SSR.) Driver ( 13V±VDC, Max 30mA ) 3 Zero - crossing 1-phase Silicon-controlled rectifier (SCR) 4 Zero - crossing 3 - phase Silicon-controlled rectifier (SCR) 5 Phase control 1 - phase Silicon-controlled rectifier (SCR) 6 Phase control 3 - phase Silicon-controlled rectifier (SCR) 7 Linear current output ( Programmable 0~10mA, 4~20mA, 0~20mA DC ) 8 Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC )							0								NONE
3 Zero - crossing 1-phase Silicon-controlled rectifier (SCR) 4 Zero - crossing 3 - phase Silicon-controlled rectifier (SCR) 5 Phase control 1 - phase Silicon-controlled rectifier (SCR) 6 Phase control 3 - phase Silicon-controlled rectifier (SCR) 7 Linear current output ( Programmable 0~10mA, 4~20mA, 0~20mA DC ) 8 Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC )	Output 1						1						ľ		Relay ( 1A or 3A to be specify - Resistance load )
Output 1  4 Zero - crossing 3 - phase Silicon-controlled rectifier (SCR)  5 Phase control 1 - phase Silicon-controlled rectifier (SCR)  6 Phase control 3 - phase Silicon-controlled rectifier (SCR)  7 Linear current output ( Programmable 0~10mA, 4~20mA, 0~20mA DC )  8 Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC )							2						Г		Solid state relay ( SSR ) Driver ( 13V±VDC, Max 30mA )
5 Phase control 1 - phase Silicon-controlled rectifier (SCR) 6 Phase control 3 - phase Silicon-controlled rectifier (SCR) 7 Linear ourrent output ( Programmable 0~10mA, 4~20mA, 0~20mA DC ) 8 Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC )							3								Zero - crossing 1-phase Silicon-controlled rectifier (SCR)
6 Phase control 3 - phase Silicon-controlled rectifier (SCR) 7 Linear current output ( Programmable 0~10mA, 4~20mA, 0~20mA DC ) 8 Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC )							4								Zero - crossing 3 - phase Silicon-controlled rectifier (SCR)
T Linear current output ( Programmable 0~10mA, 4~20mA, 0~20mA DC )  Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC )							5								Phase control 1 - phase Silicon-controlled rectifier (SCR)
8 Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC )							6								Phase control 3 - phase Silicon-controlled rectifier (SCR)
							7								Linear current output ( Programmable 0~10mA, 4~20mA, 0~20mA DC )
9 Custom							8								Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC )
							9								Custom





## EN-6000B1 Digital Controller/Dual-loop

## **Digital Control**

N-6000B1								DESCRIPTION
	0	П			Т	T		NONE
	1	П		T	Ť	Ť	1	Relay ( 1A or 3A to be specify-Resistance load )
		П	T	T	Ť	Ť	1	Solid state relay ( SSR ) Driver ( 13V±2VDC, Max 30mA )
Output 2/Alarm 3	2	П			T	Ť	1	Zero - crossing for 1-phase Silicon-controlled rectifier (SCR)
	3	П	T	T	Т	T	7	Linear current output ( Programmable 0~10mA, 4~20mA, 0~20mA DC )
	5	П			Ť	Ť	1	Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA D
	9	П	1		t	Ť	1	Custom
		0	T	T	Ť	Ť	7	NONE
		1	T	+	Ť	Ť	1	Relay ( 1A or 3A to be specify-Resistance load )
Alarm 1 ( either of AL1 and OP2 available for			1	+	t	t	+	Solid state relay ( SSR ) Driver ( 13V±2VDC, Max 30mA )
48 x 48 size option )	1	2	1	+	t	t	1	Isolated 24V DC / 30mA power output
		3	1	+	+	+	+	Custom
		-	0		+	+	+	NONE
Alexan O. ( all are all all a		1		-	+	+	1	Relay ( 1A or 3A to be specify-Resistance load )
Alarm 2 ( either of AL2 and COMM available for		1	1	+	t	+	+	Solid state relay ( SSR ) Driver ( 13V±2VDC, Max 30mA )
48 x 48 and 72 x 72 dimensions option )		- 1	2	+	+	+	+	Isolated 24V DC / 30mA power output
		- 1	3	+	+	+	+	Custom
	_	_	9	0	+	+	+	NONE
			1		+	+	+	Relay (1A or 3A to be specify-Resistance load)
			ŀ	1	t	+	+	Solid state relay ( SSR ) Driver ( 13V±2VDC, Max 30mA )
Auxiliary / Alarm 4 (not available of 48 x 48 and 72 x 72						+	+	Isolated 24V DC / 30mA power output
dimensions option )			- 1	3	+	+	+	AM state output
4					+	+	+	A/M control input
5 9							+	Custom
	_	_	-	-	)	+	+	NONE
Communication ( either o	(A)	2		- 10	1	+	+	Isolated RS485
and COMM available for	48 x	48		- 1-	2	+	1	Isolated RS232
and 72 x 72 dimensions of	optic	n)		-	3	1	1	Current re-transmission output (programmable 0 ~ 10mA, 4 ~ 20mA, 0~20mA DC)
4								Electrically self - isolated current re-transmission output (programmable 0~10mA, 4~20mA, 0~20mA DC)
							+	Isolated 24V DC / 30mA power output
				9	9			Custom
Estandad I/O						0		NONE
Extended I/O					1	1		Yes
							1	100 ~ 240VAC ( -15% + 10% 50/60Hz )
Power Supply							2	24VDC ( -15% + 25% )
1000						Г	9	Custom