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EN 6000B Series

Micro-proccessor Based Hi-tech Process Controllers & Process Scanners

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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-6000B1			DESCRIPTION
M O D E L	EN-6000B1	1	Standard type (fixed value control type)
	EN-6000B1	2	Position-proportion type (positive/negative rotation of motor control type)
	EN-6000B1	3	Programmable standard type (8 Profile of 16 segment each, programmable control curve)
	EN-6000B1	4	Programmable Position-proportion type (8 Profile of 16 segment each, programmable control curve)
	EN-6000B1	5	Heat / cool control type (fixed value control type)
	EN-6000B1	6	Heat / cool control type (8 Profile of 16 segment each, programmable control curve)
Overall dimensions (W x H) (mm x mm)	1		48 x 48
	2		72 x 72
	3		96 x 96
	4		48 x 96
	5		96 x 48
	6		160 x 80
	7		80 x 160
	8		48 x 96 (3 LED)
Input 2 (not available for 48 x 48 Size)	0		NONE
	1		0 ~ 20mA input
	2		0 ~ 10mA input
	3		4 ~ 20mA input
	4		0 ~ 5VDC input
	5		1 ~ 5VDC input
	6		0 ~10VDC input
	9		Custom
Input 3 (not available for 48 x 48 Size)	0		NONE
	1		0 ~ 20mA input
	2		0 ~ 10mA input
	3		4 ~ 20mA input
	4		0 ~ 5VDC input
	5		1 ~ 5VDC input
	6		0 ~10VDC input
	7		Resistance input (100Ω ~ 3KΩ)
	9		Custom
Output 1	0		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)
	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)
	9		Custom

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EN-6000B1 Digital Controller/Dual-loop

Digital Control

EN-6000B1						DESCRIPTION
Output 2/Alarm 3	0					NONE
	1					Relay (1A or 3A to be specify-Resistance load)
	2					Solid state relay (SSR) Driver (13V±2VDC, Max 30mA)
	3					Zero - crossing for 1-phase Silicon-controlled rectifier (SCR)
	4					Linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC)
	5					Electrically self-isolated linear current output (Programmable 0~10mA, 4~20mA, 0~20mA DC)
	9					Custom
Alarm 1 (either of AL1 and OP2 available for 48 x 48 size option)		0				NONE
		1				Relay (1A or 3A to be specify-Resistance load)
		2				Solid state relay (SSR) Driver (13V±2VDC, Max 30mA)
		3				Isolated 24V DC / 30mA power output
		9				Custom
Alarm 2 (either of AL2 and COMM available for 48 x 48 and 72 x 72 dimensions option)			0			NONE
			1			Relay (1A or 3A to be specify-Resistance load)
			2			Solid state relay (SSR) Driver (13V±2VDC, Max 30mA)
			3			Isolated 24V DC / 30mA power output
			9			Custom
Auxiliary / Alarm 4 (not available for 48 x 48 and 72 x 72 dimensions option)				0		NONE
				1		Relay (1A or 3A to be specify-Resistance load)
				2		Solid state relay (SSR) Driver (13V±2VDC, Max 30mA)
				3		Isolated 24V DC / 30mA power output
				4		A/M state output
				5		A/M control input
				9		Custom
Communication (either of AL2 and COMM available for 48 x 48 and 72 x 72 dimensions option)					0	NONE
					1	Isolated RS485
					2	Isolated RS232
					3	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)
					5	Isolated 24V DC / 30mA power output
					9	Custom
Extended I/O						0 NONE
						1 Yes
Power Supply						1 100 ~ 240VAC (-15% + 10% 50/60Hz)
						2 24VDC (-15% + 25%)
						9 Custom