

G62 SERIES

ELECTRONIC PRESET COUNTER

- 4 DIGITS (2 Line LED Display)
- POWER SUPPLY (100 - 240 VAC)
- EASY OPERATION
(INDIVIDUAL DIGIT KEYS)
- KEY PROTECT, MEMORY
- DUST / SPLASH PROOF



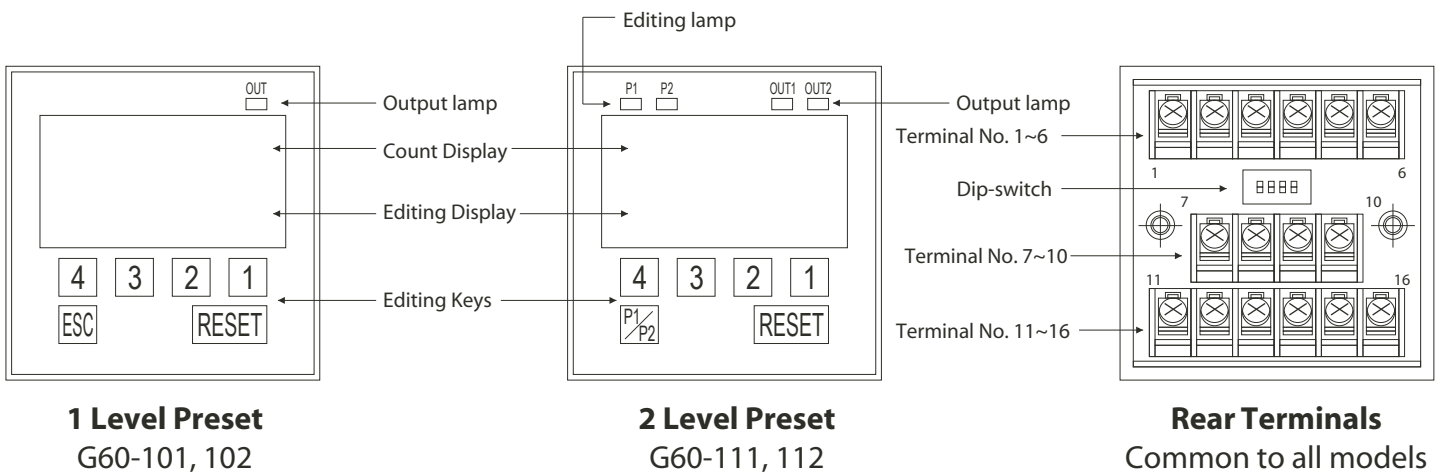
G62-101

G62-111

MODEL SELECTION

Models	Figures	Preset Level	Input	
G62 - 101	4	1	1 Input	Add / Subtract Input
G62 - 102			2 Input	90° Quadrature / Individual add, subtract Input
G62 - 111		2	1 Input	Add / Subtract Input
G62 - 112			2 Input	90° Quadrature / Individual add, subtract Input

FRONT PANEL AND REAR TERMINALS



1 ~ 4 Individual digit setting keys for preset editing. Use these buttons to set the desired preset value.

P1 / P2 Use this button to enter and exit the setting mode for P1 or P2 from count mode. (2 level preset only)

ESC Use this button to exit from the setting mode. (1 level preset only)

RESET Use this button to reset the count value of the counter.

OPERATIONS

In entering the setting mode to edit the preset values, make sure that the key protect feature is disabled by unshorting terminals No. 9 and No. 10.

A. Setting the Preset Value

<1 Level Preset>

1 ~ 4 The keys **1~4** corresponds to each of the editable digits of the Preset value.
Press the corresponding digit key to be edited.
Upon pressing the digit key, the display of that particular digit will blink and increment by 1.
Keep pressing that digit key until the desired value for that digit is reached.
Do the same procedure for the rest of the digits.
The setting will be saved automatically approx. 3 sec. after the last key pressed and the blinking will stop.
※ For example: To set preset value to 1500.
- Press digit key **4** once.
- Press digit key **5** five times.

ESC Press the **ESC** key when editing must be cancelled while in the setting mode.
The settings made will be saved automatically approx. 3 sec. after the last key is pressed or after display stops blinking.
Therefore, make sure that the **ESC** key is pressed while display is blinking or within approx. 3 sec. after last key is pressed.

<2 Level Preset>

P1/P2 Select which preset level (P1 or P2) to set by pressing the **P1/P2** key. The chosen preset level is indicated by the lighted lamp.

1 ~ 4 The keys **1~4** corresponds to each of the editable digits of the Preset value.
Press the corresponding digit key to be edited.
Upon pressing the digit key, the display of that particular digit will blink and increment by 1.
Keep pressing that digit key until the desired value for that digit is reached.

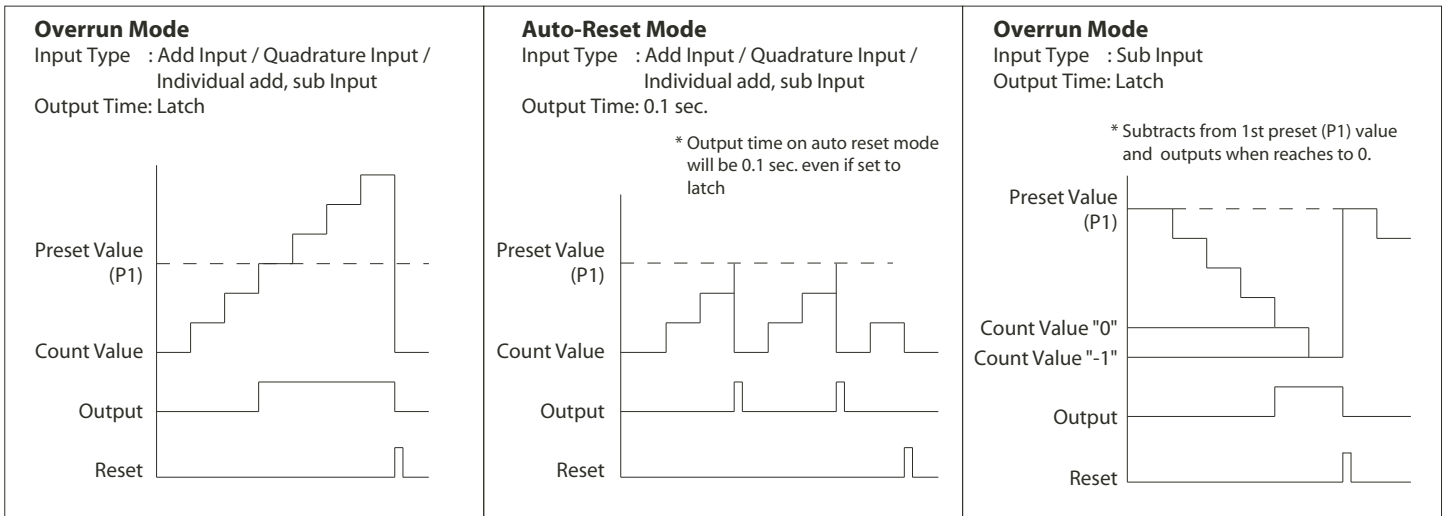
Do the same procedure for the rest of the digits.
The setting will be saved automatically approx. 3 sec. after the last key pressed and the blinking will stop.

※ For example: To set P1 to 100 and P2 to 200.
- Press **P1/P2** key until P1 lamp is on.
- Press digit key **3** once.
- Wait until setting is saved when display stops blinking.
- Press **P1/P2** key until P2 lamp is on.
- Press digit key **2** two times.
- Wait until setting is saved when display stops blinking.

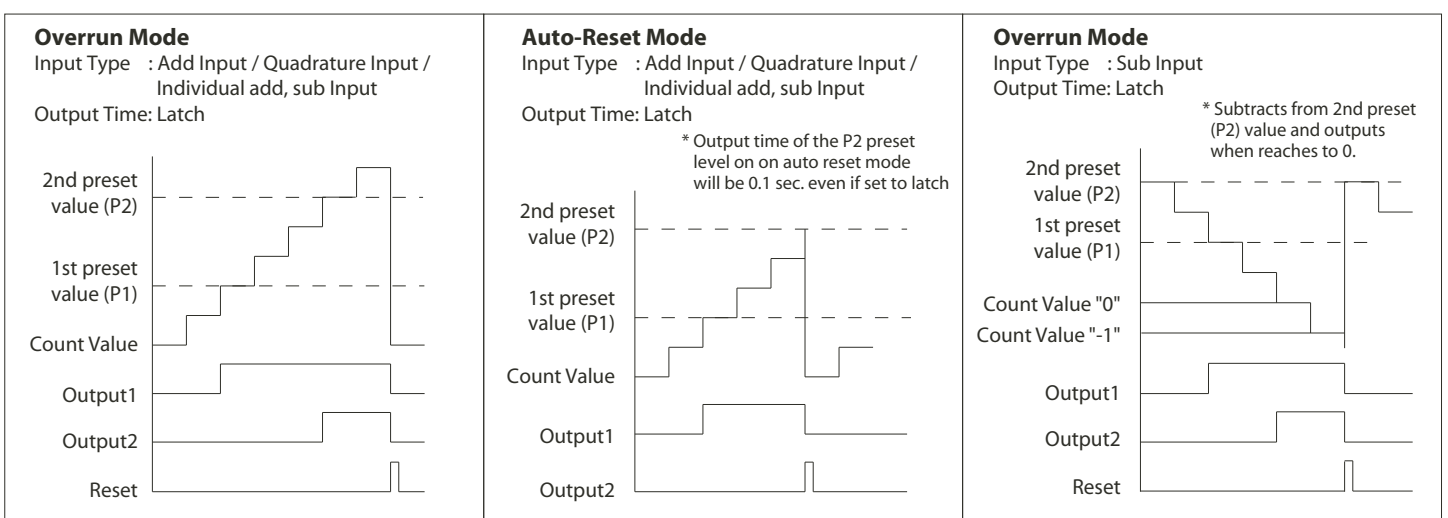
P1/P2 Press the **P1/P2** key when editing must be cancelled while in the setting mode.
The settings made will be saved automatically approx. 3 sec. after the last key is pressed or after display stops blinking.
Therefore, make sure that the **P1/P2** key is pressed while display is blinking or within approx. 3 sec. after last key is pressed.

SAMPLE OPERATIONS

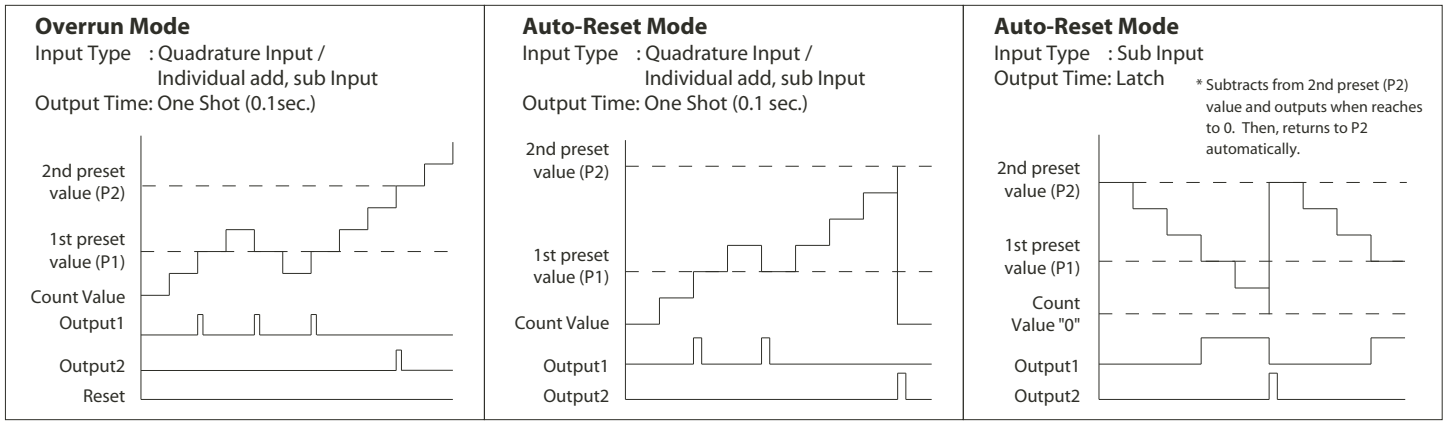
<1 LEVEL PRESET>



<2 LEVEL PRESET>



SAMPLE OPERATIONS (cont.)

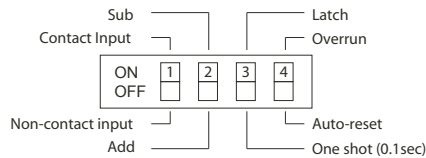


WIRING

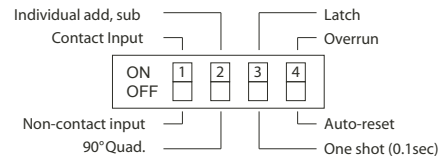
	1 Level Preset		2 Level Preset		
	1 Input (Add / Sub)	2 Input (Quad/Individual add, sub)	1 Input (Add / Sub)	2 Input (Quad/Individual add, sub)	
Terminal Locations	No. 1 Input 2 _____ 3 DC12V 4 GND 5 Reset 6 Input inhibition 7 _____ 8 Open Collector output 9 GND 10 Key Protection 11 _____ 12 _____ 13 COM } Relay output 14 N.O. } 15 AC 0V } Power Source 16 AC85 ~ 264V }	No. 1 Input A 2 Input B 3 DC12V 4 GND 5 Reset 6 Input inhibition 7 _____ 8 Open Collector output 9 GND 10 Key Protection 11 _____ 12 _____ 13 COM } Relay output 14 N.O. } 15 AC 0V } Power Source 16 AC85 ~ 264V }	No. 1 Input 2 _____ 3 DC12V 4 GND 5 Reset 6 Input inhibition 7 Open Collector output (P1) 8 Open Collector output (P2) 9 GND 10 Key Protection 11 COM } Relay Output (P1) 12 N.O. } 13 COM } Relay Output (P2) 14 N.O. } 15 AC 0V } Power Source 16 AC85 ~ 264V }	No. 1 Input A 2 Input B 3 DC12V 4 GND 5 Reset 6 Input inhibition 7 Open Collector output (P1) 8 Open Collector output (P2) 9 GND 10 Key Protection 11 COM } Relay Output (P1) 12 N.O. } 13 COM } Relay Output (P2) 14 N.O. } 15 AC 0V } Power Source 16 AC85 ~ 264V }	
Power Source	Power Source Supply power source AC85 ~ 264V to terminal No. 15, 16.				
Input	Add / Sub input (1 input only) G62-101, 111 	Select from Add Input or Sub Input by setting dip-switch No. 2. For Add Input, dip-switch No. 2 should be OFF. For Sub Input, dip-switch No. 2 should be ON. * Setting of dip-switch should be done during power off. Contact, add input Contact, sub input Non - contact, add input Non - contact, sub input 			Quad. / Individual add, sub. input (2 input) G62-102, 112
Output	Open Collector output (Internal power supply is used.) Relay output 	Open Collector output (External power supply is used) 	Open Collector output (Internal power supply is used.) Relay output 	Open Collector output (External power supply is used) 	
Inhibition and Protection		Input inhibition : Pulses will not be counted while terminal nos. 6 and 9 are shorted. Key protection : Prescale, Preset Values, Decimal Point Position and Front Key Resetting will be disabled while terminal nos. 10 and 9 are shorted.			
Reset		Remote reset : Resetting of the counter can be done remotely while terminal nos. 4 and 5 are shorted by a Relay, Microswitch. Counter remains reset while 4 and 5 are shorted.			

DIP - SWITCH

Add / Sub Input
(1 Input only)



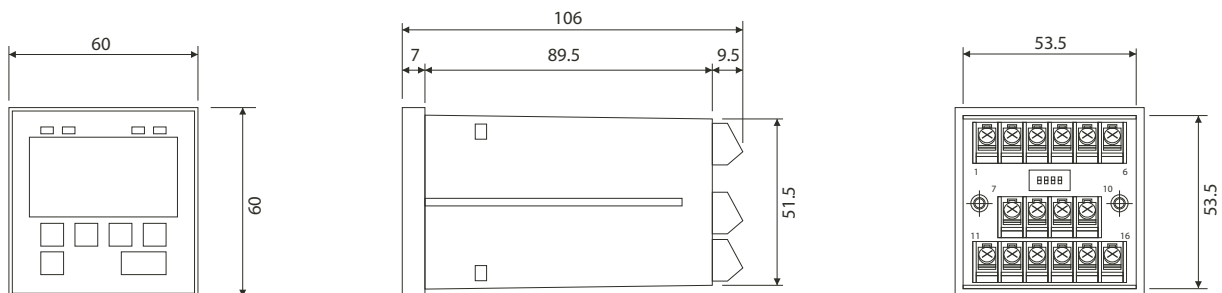
90°Quad. / Individual add/sub Input
(2 Inputs)



SPECIFICATIONS

Models	G62 - 101, 102	G62 - 111, 112
Preset Level	1 level	2 level
Display	Red LED, Count figures : 10.0 x 5.5mm	Editing figures : 8.0 x 4.0mm
Preset Range	0 - 9999	
Input	1 input type : Add / Sub input (selectable by dip-switch) 2 input type : 90° Quadrature / Individual add, sub. input (selectable by dip-switch)	
Input Method	Non-contact input : Open collector / Contact input : Relay, Microswitch	
Count Speed	Non-contact input : 10 kHz (with Prescale: 6kHz max.)* / Contact input : 25 Hz maximum	
Pulse Width	Non-contact input : 50µsec minimum. / Contact input : 20 msec minimum	
Make (Duty)	1:1	
Output Type	Contact output : Relay Type 1A only (AC250V, 0.5A / DC30V, 2A maximum Load) *for each output Non-contact output : NPN open collector (DC30V, 100mA maximum)	
Output Time	0.1 sec or latch. (However, in Auto-reset mode, output time will be 0.1 sec, even if set to latch).	
Output Delay	10kHz : 5msec maximum	
Reset	Front reset, Remote reset (50msec min.), Auto-reset	
Inhibition Function	When the Inhibition terminals are enabled, count input, preset editing, and front reset are disabled.	
Preset Lamp	None	Turns on while each preset value are shown on the display.
Operation Mode	Overrun / Auto-reset	
Decimal Point Position	4 digit : 0 / 0.0 / 0.00 6 digit : 0 / 0.0 / 0.00 / 0.000 / 0.0000	
Output Lamp	Turns ON during output time	
Memory	E ² PROM	
Power Source for Sensor	DC12V 100mA maximum	
Power Source	AC100 - 240V -15% / +10%	
Power Consumption	Approximately 5VA	
Operating Temperature	-10 - +50°C (Non-freezing)	
Operating Humidity	45 - 85%RH (Non-condensing)	
Weight	Approximately 240g	

DIMENSIONS



Panel cutout : $54^{+0.7}_{-0}$ x $54^{+0.7}_{-0}$

* Specifications Subject to Change Without Prior Notice
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