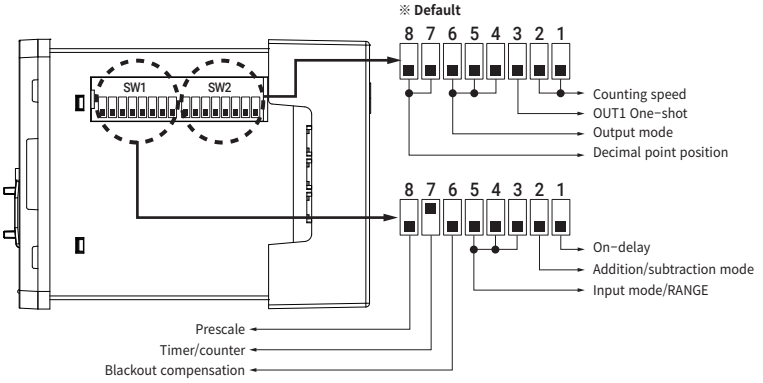


```
graph TD; A([Operation mode]) --> B([Select SW1-7 as 'ON' (CNT)]); B --> C([Select SW1-8 as 'ON' (PRE)]); C --> D([Select SW2-7/8 as 'ON' (DP) (Display the decimal point position of the display value and counting setting value in the lower 3rd digit)]); D --> E([Press the reset-key. (The operation mode is changed to the counter prescale mode.)]); E --> F([Press Set-key to enter the prescale setting mode. (The preset prescale value is displayed on the PV display.)]); F --> G([Press the Set-key to select the decimal point position of the prescale value. (Select the decimal point of the prescale value in the lower 5th digit)]); G --> H([Prescale value setting with front SV 2-stage setting switch (Set the SV 2nd stage setting switch to '0.09425')]); H --> I([Press the reset-key. (After saving prescale value and prescale decimal point position return to operation mode)]); I --> J([Operation mode]);
```

The flowchart illustrates the sequence of operations for setting the prescale mode. It begins in 'Operation mode', where SW1-7 is selected as 'ON' (CNT) and SW1-8 as 'ON' (PRE). Then, SW2-7/8 is selected as 'ON' (DP) to display the decimal point position of the display value and counting setting value in the lower 3rd digit. The user then presses the reset-key to change the operation mode to the counter prescale mode. Next, the Set-key is pressed to enter the prescale setting mode, where the preset prescale value is displayed on the PV display. The user then presses the Set-key to select the decimal point position of the prescale value (lower 5th digit) and sets the SV 2nd stage setting switch to '0.09425'. Finally, the reset-key is pressed to save the prescale value and decimal point position, returning the system to 'Operation mode'.

Function setting method

GF7A Function switch configuration



GF7A-SW1 Function chart

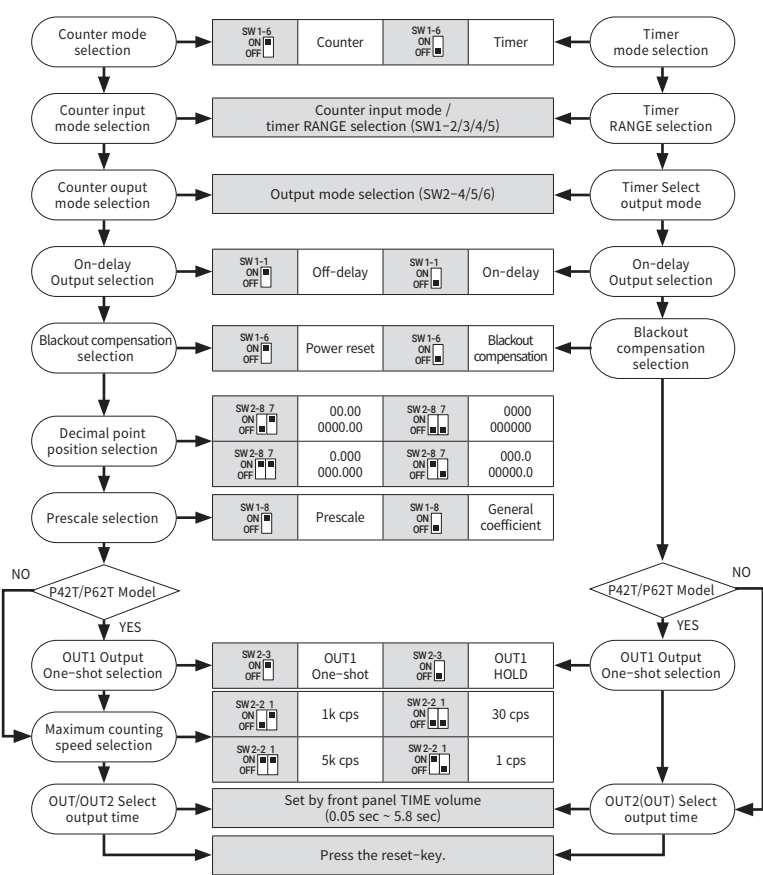
Function	On-delay		Addition / Subtraction mode		Blackout compensation		Timer / Counter		Prescale	
	On-delay	Off-delay	Addition mode	Subtraction mode	Blackout compensation	Power reset	Timer	Counter	General coefficient	Prescale
TIME RANGE P62/P61/T6										
TIME RANGE P42/P41										
COUNTER (Input)										

GF7A-SW2 Function chart

CPS					Function		
30			1k				
1			5k				
TIMER (Output)							
F			N				
C			R				
K			P				
Q			A				
COUNTER (Output)							
F			N				
C			R				
K			P				
Q			S				
Decimal point position							
4 digit			6 digit				
0000			000.0				
0000.0			00.00				
0000.00			0.000				
000.000			0.0000				

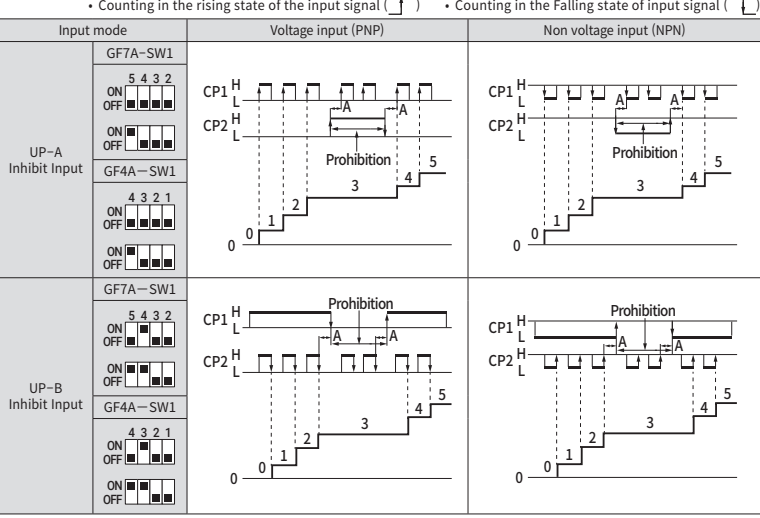
※ Note) When selecting the decimal point position, the selected decimal point position is equally applied to the SV setting value.
※ Note) When OUT1 output is selected as One-shot, OUT1 output time is fixed for 0.5 seconds.

GF7A How to set

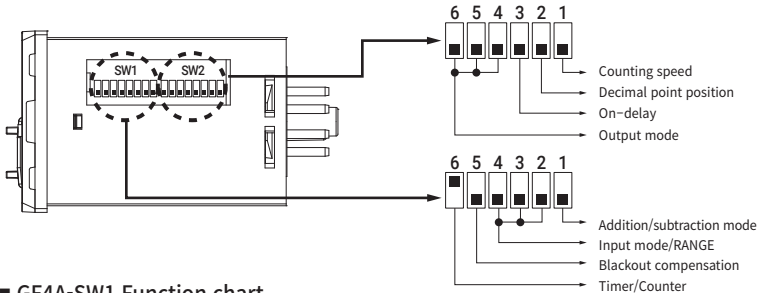


Counter input mode

Addition input



GF4A Function switch configuration



GF4A-SW1 Function chart

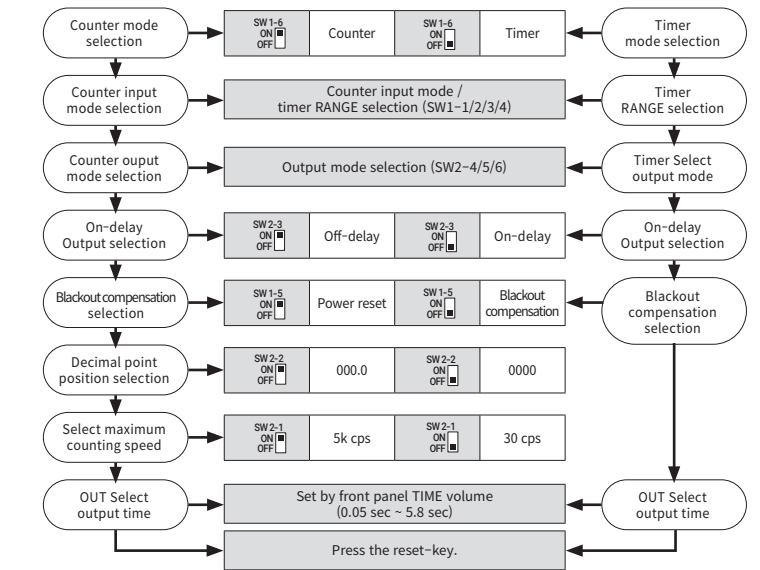
Function	Addition / Subtraction mode		Blackout compensation		Timer / Counter	
	Addition mode	Subtraction mode	Blackout compensation	Power reset	Timer	Counter
TIME RANGE						
COUNTER (Input)						
COUNTER (Input)						

GF4A-SW2 Function chart

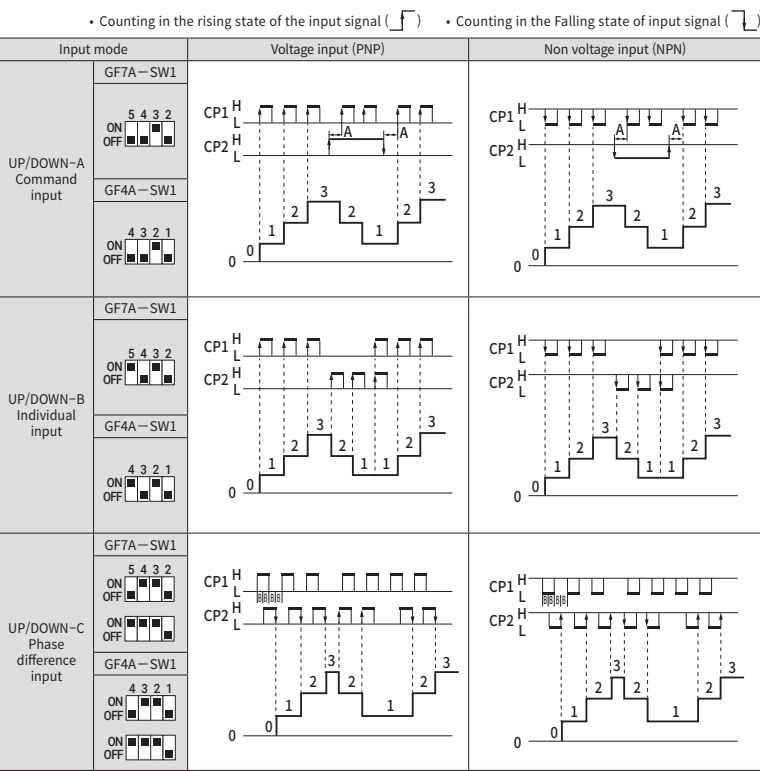
CPS			Decimal point position			Function		
30			0000					
5k			000.0					
TIMER (Output)								
F			N					
C			R					
K			P					
Q			A					
COUNTER (Output)								
F			N					
C			R					
K			P					
Q			S					

※ Note) When selecting the decimal point position, the selected decimal point position is applied equally to the SV setting value.

GF4A How to set

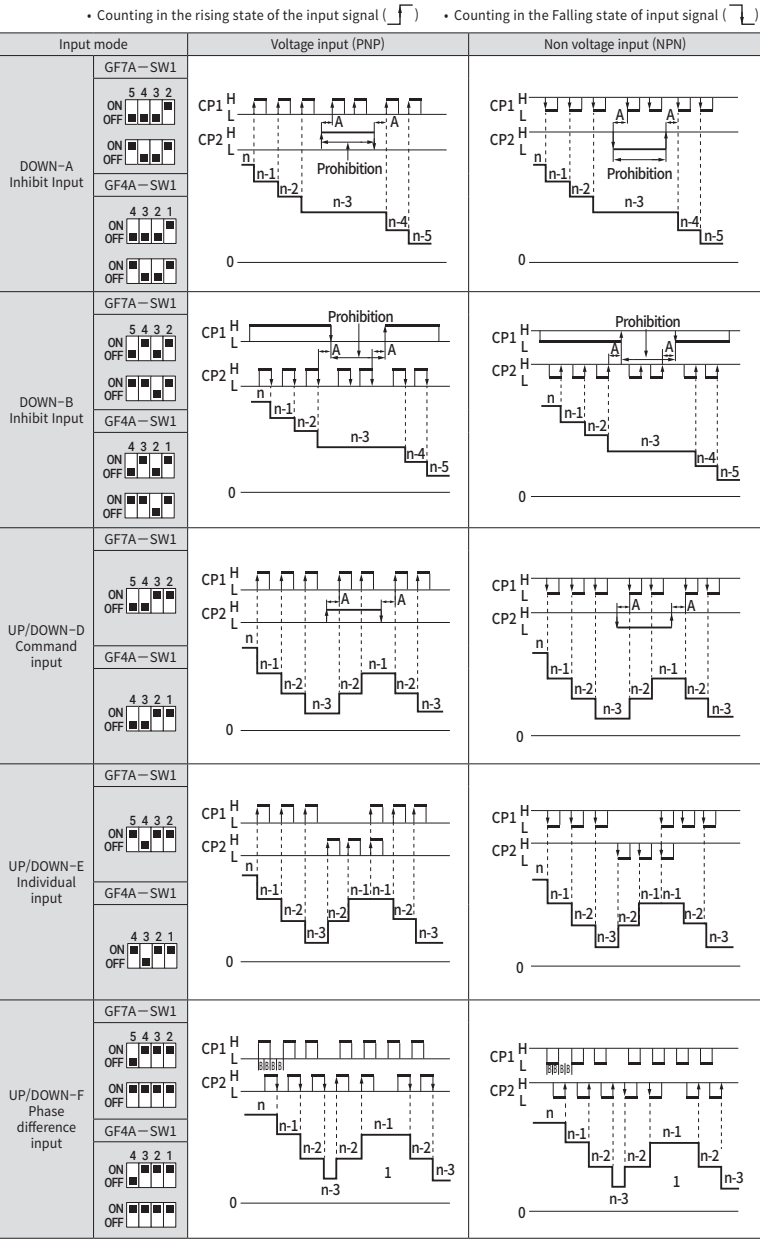


Addition input



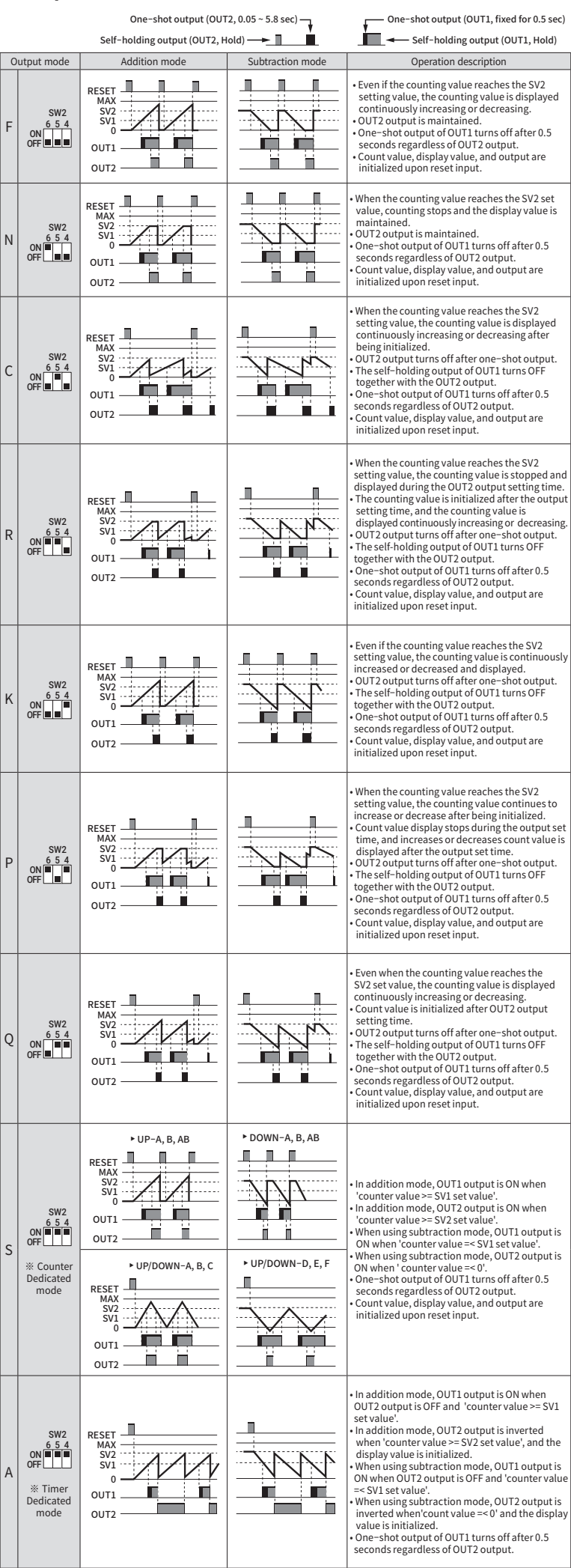
※ Note) 'A' needs more than the minimum signal width, and 'B' needs more than 1/2 of the minimum signal width.

Subtraction input



※ Note) 'A' needs more than the minimum signal width, and 'B' needs more than 1/2 of the minimum signal width.

Output mode

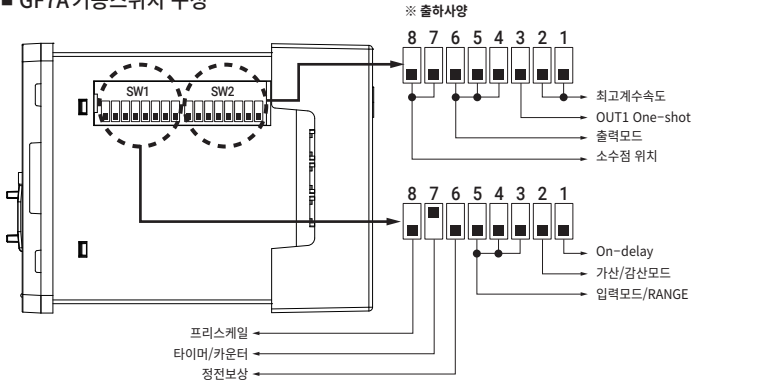


※ For P41T/P61T models, SV and OUT operate as SV2 and OUT2.

※ Apply reset signal to the front reset key or external RESET terminal.

■ 기능 설정방법

■ GF7A 기능스위치 구성



■ GF7A-SW1 기능구성표

기능	On-delay		가산/감산모드		정전보상		타이머/카운터		프리스케일	
	On-delay	Off-delay	가산모드	감산모드	정전보상	전원리셋	타이머	카운터	일반계수	프리스케일
	ON OFF 1	ON OFF 1	ON OFF 2	ON OFF 2	ON OFF 6	ON OFF 6	ON OFF 7	ON OFF 7	ON OFF 8	ON OFF 8
TIME RANGE P62/P61/T6	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3
TIME RANGE P42/P41	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3
COUNTER (입력모드)	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3	ON OFF 5 4 3

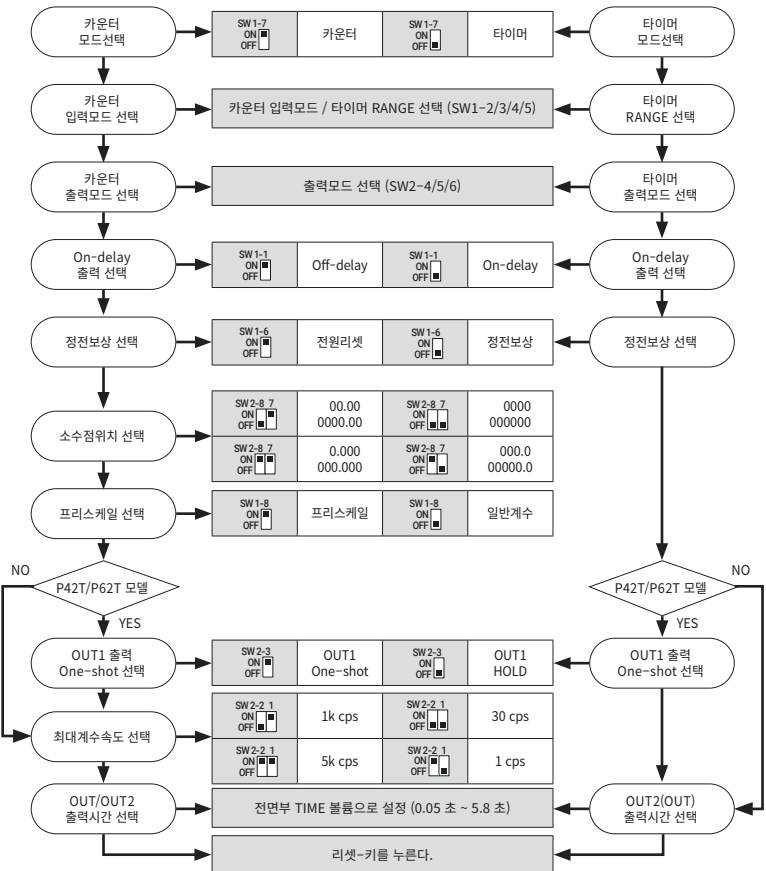
■ GF7A-SW2 기능구성표

CPS	30	1	1k	5k	OUT1 출력모드	OUT1 HOLD	OUT1 One-shot
	ON OFF 2 1	ON OFF 2 1	ON OFF 2 1	ON OFF 2 1	ON OFF 3	ON OFF 3	ON OFF 3
TIMER (출력모드)	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4
COUNTER (출력모드)	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4
소수점 위치	ON OFF 8 7	ON OFF 8 7	ON OFF 8 7	ON OFF 8 7	ON OFF 8 7	ON OFF 8 7	ON OFF 8 7

※ 주) 소수점위치 선택 시, SV 설정값에도 선택된 소수점위치가 동일하게 적용됩니다.

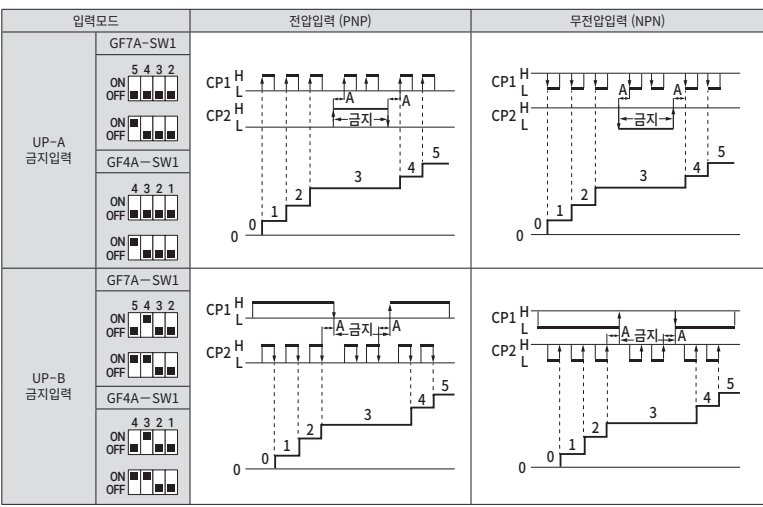
※ 주) OUT1 출력을 One-shot 으로 선택 시, OUT1 출력시간은 0.5 초 고정됩니다.

■ GF7A 설정방법

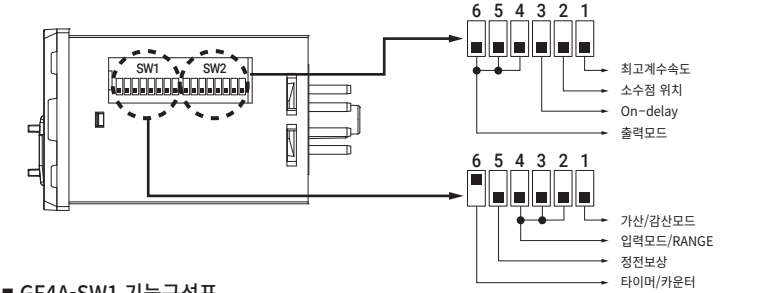


■ 카운터 입력모드

■ 가산입력



■ GF4A 기능스위치 구성



■ GF4A-SW1 기능구성표

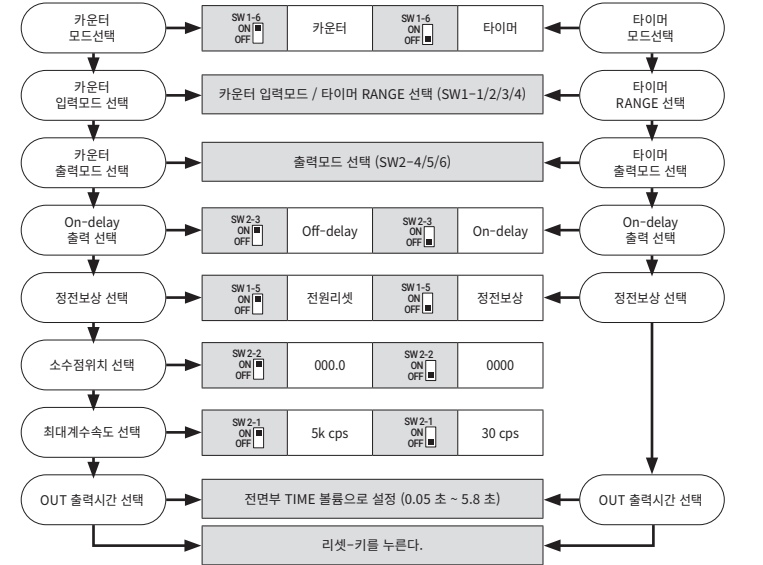
기능	가산/감산모드		정전보상		타이머/카운터	
	가산모드	감산모드	정전보상	전원리셋	타이머	카운터
	ON OFF 1	ON OFF 1	ON OFF 5	ON OFF 5	ON OFF 6	ON OFF 6
TIME RANGE	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2
COUNTER (입력모드)	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2
COUNTER (입력모드)	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2	ON OFF 4 3 2

■ GF4A-SW2 기능구성표

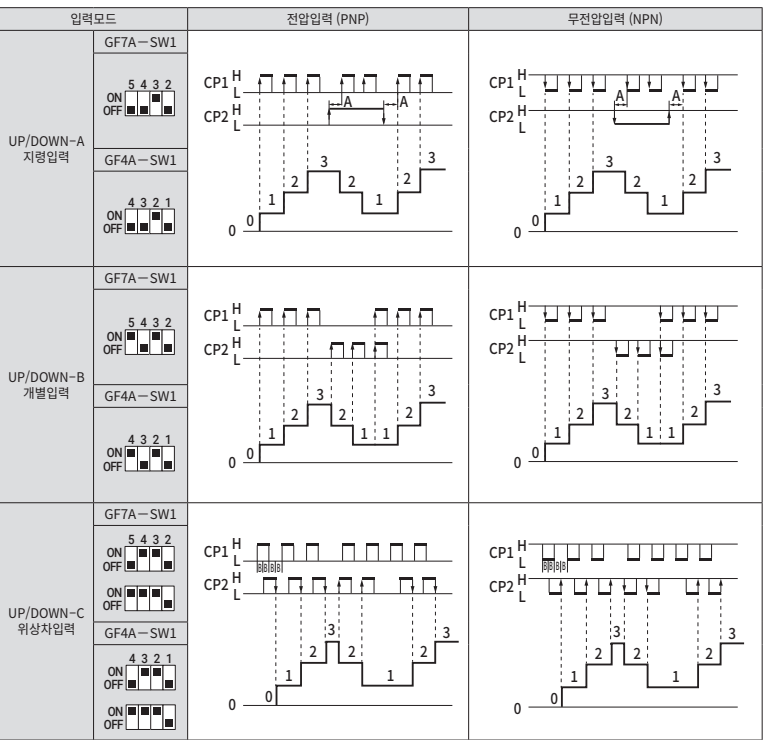
CPS	30	5k	소수점 위치	0000	000.0	On-delay	On-delay	Off-delay
	ON OFF 1	ON OFF 1	ON OFF 2	ON OFF 2	ON OFF 2	ON OFF 3	ON OFF 3	ON OFF 3
TIMER (출력모드)	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4
COUNTER (출력모드)	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4	ON OFF 6 5 4

※ 주) 소수점위치 선택 시, SV 설정값에도 선택된 소수점위치가 동일하게 적용됩니다.

■ GF4A 설정방법

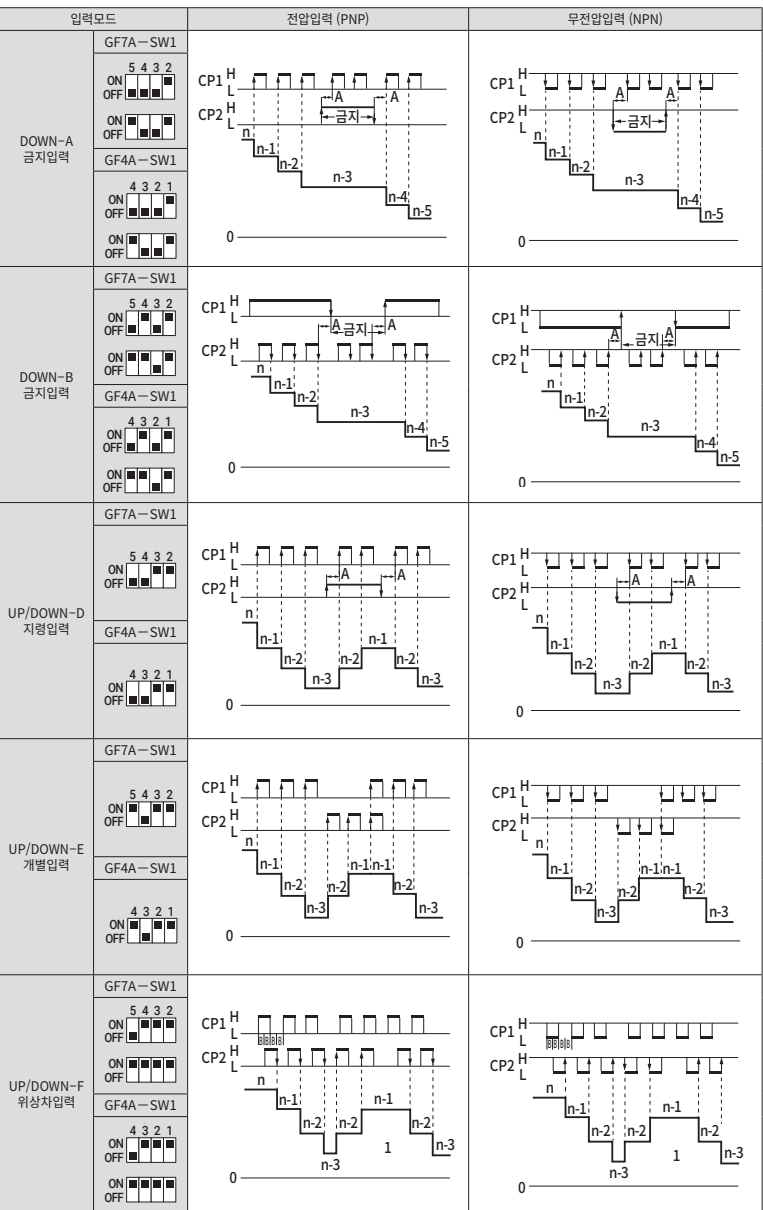


■ 가산입력



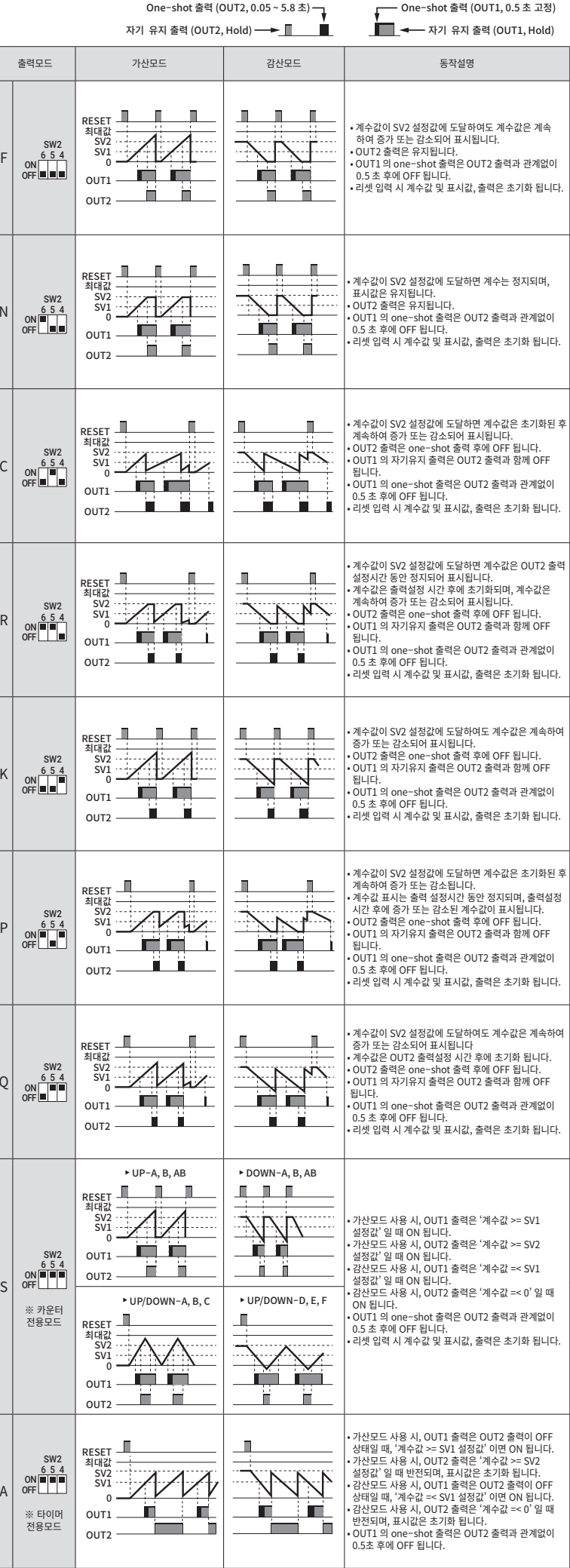
※ 주) 'A' 는 최소신호폭 이상, 'B' 는 최소신호폭의 1/2 이상이 필요합니다.

■ 감산입력



※ 주) 'A' 는 최소신호폭 이상, 'B' 는 최소신호폭의 1/2 이상이 필요합니다.

■ 출력모드



※ P41T/P61T 모델의 경우, SV 및 OUT 는 SV2 및 OUT2 로 동작합니다.

※ 전면 리셋-키 또는 외부 RESET 단자로 리셋 신호를 인가합니다