

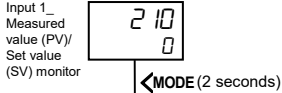
11. CHANGE OF THE INPUT TYPE

The Input related parameters may include: Input type, Display unit, Decimal point position, Input range high, and Input range low. These parameters can be set in the H: Engineering mode.

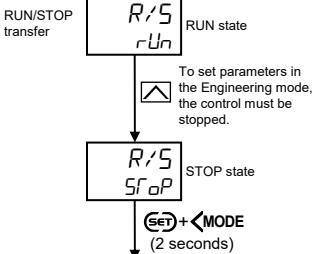
Changing the Input 1 to Thermocouple type J (0 to 800°C)

Assuming that the present Input 1 is configured to Thermocouple type K (-200 to +1372 °C).

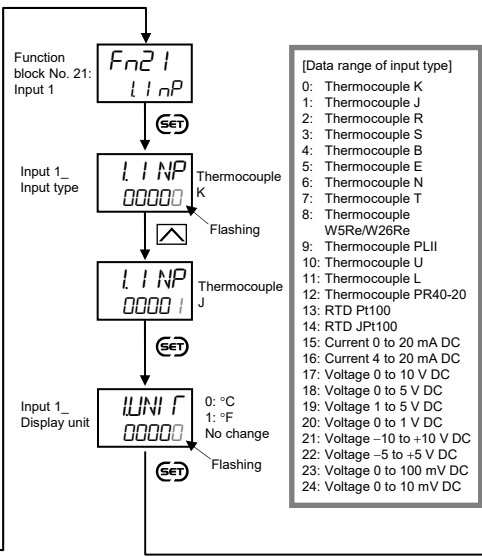
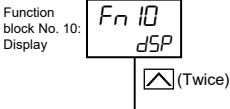
A: Monitor & SV setting mode



C: Operation transfer mode

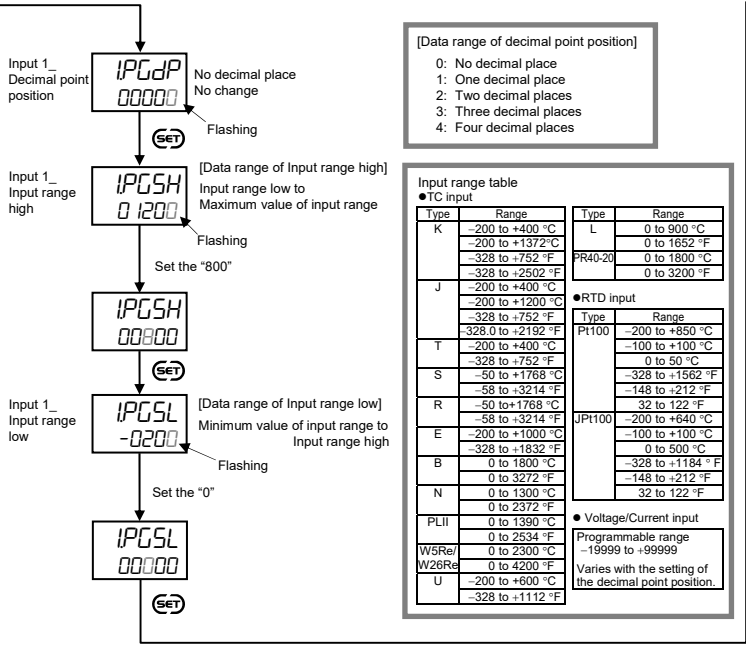


H: Engineering mode



[Data range of input type]

0:	Thermocouple K
1:	Thermocouple J
2:	Thermocouple R
3:	Thermocouple S
4:	Thermocouple B
5:	Thermocouple E
6:	Thermocouple N
7:	Thermocouple T
8:	Thermocouple W5Re/W26Re
9:	Thermocouple PLII
10:	Thermocouple U
11:	Thermocouple L
12:	Thermocouple PR40-20
13:	RTD Pt100
14:	RTD JPt100
15:	Current 0 to 20 mA DC
16:	Current 4 to 20 mA DC
17:	Voltage 0 to 10 V DC
18:	Voltage 0 to 5 V DC
19:	Voltage 1 to 5 V DC
20:	Voltage 0 to 1 V DC
21:	Voltage -10 to +10 V DC
22:	Voltage -5 to +5 V DC
23:	Voltage 0 to 100 mV DC
24:	Voltage 0 to 10 mV DC

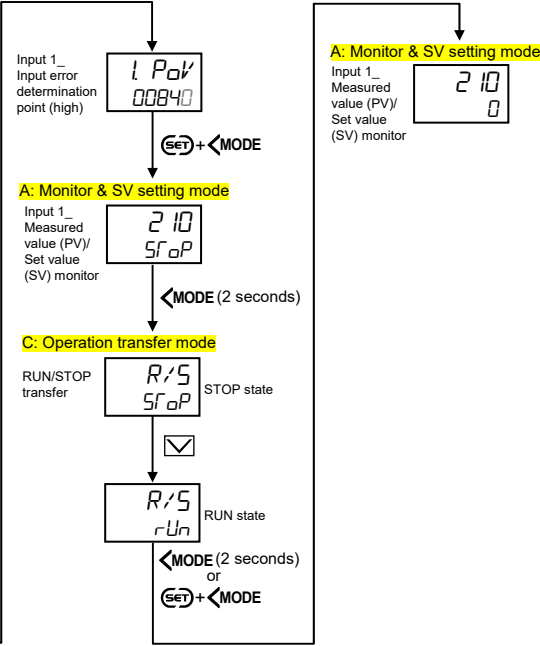


[Data range of decimal point position]

0:	No decimal place
1:	One decimal place
2:	Two decimal places
3:	Three decimal places
4:	Four decimal places

Input range table

Type	Range	Type	Range
K	-200 to +400 °C	L	0 to 900 °C
	-200 to +1372 °C		0 to 1652 °F
J	-328 to +752 °F	PR40-20	0 to 1800 °C
	-328 to +2502 °F		0 to 3200 °F
T	-200 to +400 °C		
	-200 to +1200 °C		
S	-50 to +1768 °C		
	-328 to +752 °F		
R	-58 to +3214 °F		
	-58 to +3214 °F		
E	-200 to +1000 °C		
	-328 to +1832 °F		
B	0 to 1800 °C		
	0 to 3272 °F		
N	0 to 1300 °C		
	0 to 2372 °F		
PLII	0 to 1350 °C		
	0 to 2534 °F		
W5Re/W26Re	0 to 2300 °C		
	0 to 4200 °F		
U	-200 to +600 °C		
	-328 to +1112 °F		



12. CHANGE OF THE EVENT TYPE

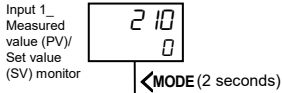
The event related parameters may include: Event assignment, Event type, Event hold action, Event differential gap, and Event timer. These parameters can be set in the H: Engineering mode.

Changing Event 1 to Deviation high/low (Using SV monitor value)

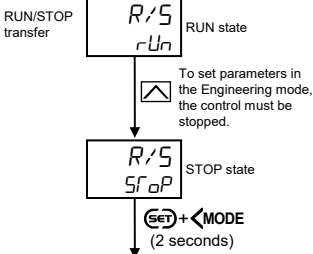
Assuming that the present Event 1 is configured to Deviation high (Using the SV monitor value).

Other setting: Event assignment: Input 1, Event hold action: Hold action ON, Event differential gap: 2, Event timer: 0.0

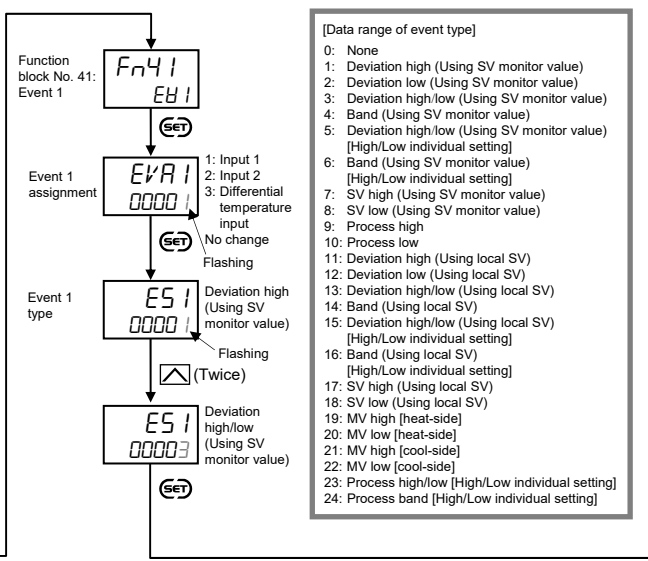
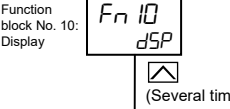
A: Monitor & SV setting mode



C: Operation transfer mode

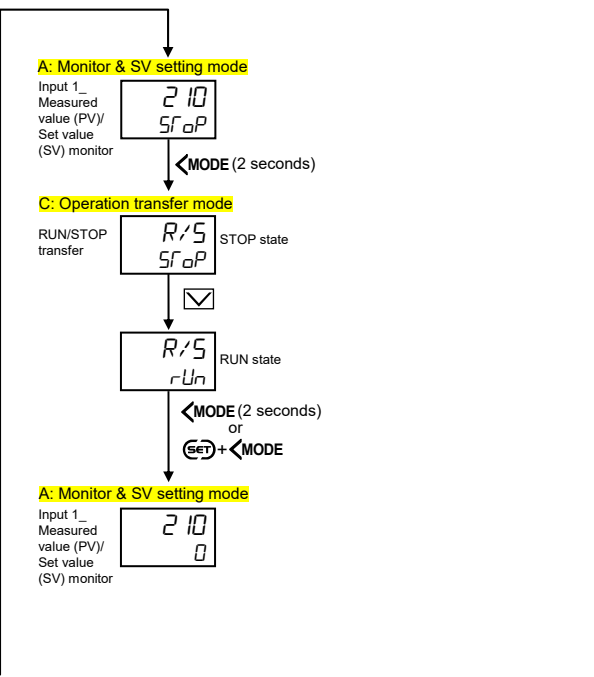
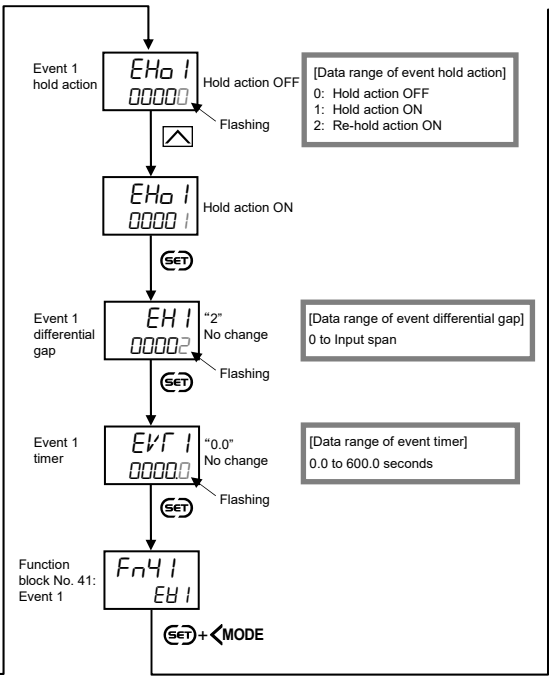


H: Engineering mode



[Data range of event type]

0:	None
1:	Deviation high (Using SV monitor value)
2:	Deviation low (Using SV monitor value)
3:	Deviation high/low (Using SV monitor value)
4:	Band (Using SV monitor value)
5:	Deviation high/low (Using SV monitor value)
6:	Band (Using SV monitor value)
7:	SV high (Using SV monitor value)
8:	SV low (Using SV monitor value)
9:	Process high
10:	Process low
11:	Deviation high (Using local SV)
12:	Deviation low (Using local SV)
13:	Deviation high/low (Using local SV)
14:	Band (Using local SV)
15:	Deviation high/low (Using local SV)
16:	Band (Using local SV)
17:	SV high (Using local SV)
18:	SV low (Using local SV)
19:	MV high [heat-side]
20:	MV low [heat-side]
21:	MV high [cool-side]
22:	MV low [cool-side]
23:	Process high/low [High/Low individual setting]
24:	Process band [High/Low individual setting]



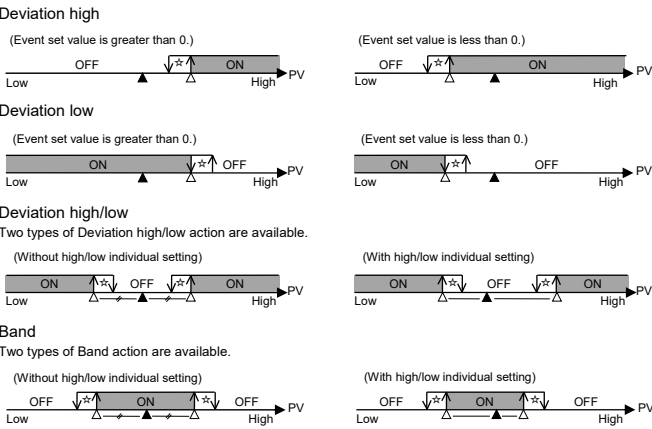
Description of event action

Some examples of event action are described in the following:

ON: Event action turned on
OFF: Event action turned off (▲: Set value (SV) △: Event set value ☆: Event differential gap)

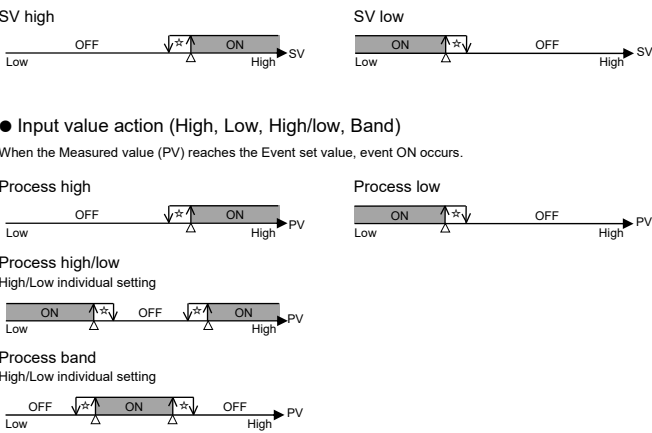
Deviation action (High, Low, High/low, Band)

When the deviation (PV - SV) reaches the Event set value, event ON occurs.



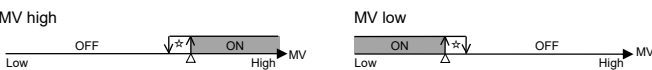
Set value action (High, Low)

When the Set value (SV) reaches the Event set value, event ON occurs.



Manipulated output value action (High, Low)

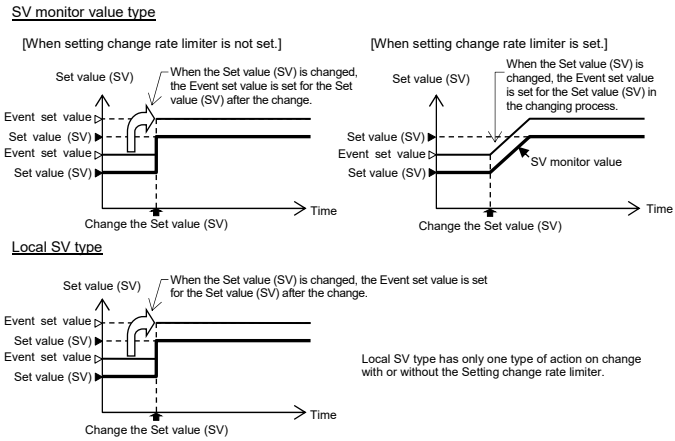
When the Manipulated output value (MV) reaches the Event set value, event ON occurs.



SV monitor value type and Local SV type

SV monitor value type and local SV type are available for Deviation action and Set value action.

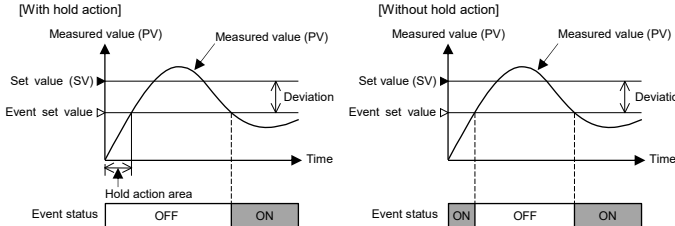
SV monitor value type
The Event set value is set for the SV monitor value.
Setting change rate limiter adjusts the Event set value to follow the same change rate of SV monitor value.
Local SV type
The Event set value is set for the Set value (SV) [Local SV].



Description of event hold action

Hold action

When hold action is ON, the event action is suppressed at start-up or STOP to RUN until the measured value has entered the non-event range.

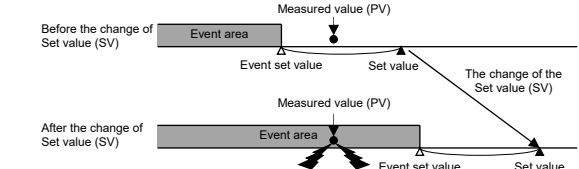


Re-hold action

When re-hold action is ON, the event action is also suppressed at the control set value change until the measured value has entered the non-event range.

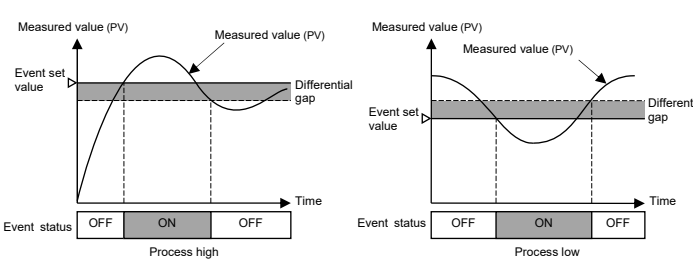
The re-hold action is invalid for any of the following. However, the hold action is valid.
• When Setting change rate limiter other than "0" are set
• When operation mode is remote mode

[Example] When Event 1 type is the deviation low:
When re-hold action is OFF and event output type is deviation, the event output is produced due to the Set value (SV) change. The re-hold action suppresses the alarm output until the measured value has entered the non-event range again.



Description of event differential gap

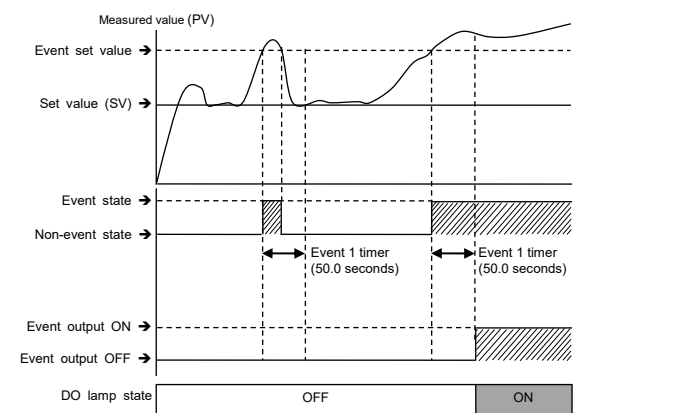
It prevents chattering of event output due to the measured value fluctuation around the Event set value.



Description of event timer

When an event condition becomes ON, the output is suppressed until the Event timer set time elapses. If the event output is still ON after time is up, the output will resume.

[Example] When the setting of Event 1 timer is 50.0 seconds



The Event timer is also activated for the following reasons:
• When set to the event state simultaneously with power turned on.
• When set to the event state simultaneously with control changed to RUN (control start) from STOP (control stop).
In the event wait state, no event output is turned on even after the Event timer preset time has elapsed.
The Event timer is reset for the following reasons:
• When power failure occurs while the Event timer is being activated
• When control is changed to STOP (control stop) from RUN (control start) while the Event timer is being activated