


















- The parameters in this mode can be used only when the “security” parameter (protect mode) is set to “0” to “5”. Only the “PV/Present SP” parameter can be used when the “security” parameter is set to “6”.
- The parameters in this mode comprise step operation parameters and parameters required for monitoring program operating states.
- To select this mode, press the  key for 1 second minimum. The display changes to the menu display. If you select [ - ] then press the  key for 1 second minimum, the controller enters the level 0 mode.
- To select parameters in this mode, press the  key. To change parameter settings, use the  or  keys.
- The following table shows the parameters supported in the level 0 mode and the page where the parameter is described.

Symbol	Parameter Name	See
	PV/Present SP	below
	Pattern No.	below
	Step No. monitor	below
	Hold	below
	Advance	below
	Standby time monitor	below
	Pattern elapsing time	below
	Pattern execution count monitor	below
	MV monitor (heat)	below
	MV monitor (cool)	below
	Valve opening monitor	below

PV/Present SP



Function

- The process value is displayed on the No.1 display, and the Present SP is displayed on the No.2 display.
- The decimal point position is dependent on the selected sensor during temperatures input and on the results of scaling during analog input.



Monitor

	Monitor Range	Unit
Process Value	Scaling lower limit -10%FS to scaling upper limit +10%FS	EU
Present SP	Set point lower limit to set point upper limit	EU

- During temperature input, the range of the currently selected sensor is taken as the PV monitor range.



See

- Related parameters
 “Input type” “Scaling upper limit” “Scaling lower limit” “Decimal point” (setup mode)
 “Set point upper limit” “Set point lower limit” (expansion mode)

Plrn**Pattern No.**



Function

- This parameter can be set only when the controller is reset.
- Displays the execution pattern during program operation, and the set pattern after the controller is reset.
- This parameter can also be used in the program mode.



Comment

Setting Range	Unit	Default
0 to 3	None	0



See

- Related description
See Section 3.5 Setting Patterns
- Related parameters
All parameters in the program mode

STEP**Step No. monitor**



Function

- Monitors the current step No. (This parameter is reset to “0” when the controller is reset.)



Monitor

Monitor Range	Unit
0 to Number of steps-1	None



See

- Related description
See Section 4.4 Program Operation
- Related parameters
“Hold” “Advance” (level 0 mode)

Hold

Hold



Function

- This parameter can only be used for monitoring when the controller is reset.
- Pauses (holds) or cancels program operation.
- When the event input to which “hold/hold cancel” is assigned is ON, [**0** **1**] (hold) is displayed, and when OFF [**0** **1**] (hold cancel) is displayed.
- In addition to the setting of this parameter, hold is canceled by the following conditions:



Comment

Setting Range	Default
0 1 : Hold cancel / 0 1 Hold	0 1



See

- Related description
See Section 4.4 Program Operation)
See Section 4.8 How to Use Event Input
- Related parameters
“Event input assignment 1 to 2” (option mode)

Adv

Advance



Function

- This parameter can only be used for monitoring when the controller is reset.
- Forcibly advances program operation by one step.
- When the event input to which “hold/hold cancel” is assigned is ON, [**0** **1**] (advance) is displayed.



Example of use

- Selecting this parameter, it is set to [**0** **1**] (OFF).
- When [**0** **1**] (ON) is selected, program operation is advanced by one step.
- After program execution is completed, the setting automatically returns to [**0** **1**].
- Hold is also continued after the program step is advanced when the program is executed in a hold state.



See

- Related description
See Section 4.4 Program Operation
See Section 4.8 How to Use Event Input
- Related parameters
“Event input assignment 1 to 2” (option mode)

Stbā

Standby time monitor

Conditions of Use

The controller must be in a standby state.



Function

- Displays the remaining standby time. (This time is not displayed when the controller is reset.)



Monitor

Monitor Range	Unit
0.00 to 99.59	Hour, minute



See

- Related description
See Section 4.7 Setting Running Conditions
- Related parameter
“Standby time” (level 2 mode)

ELAE

Pattern elapsing time



Function

- Displays the time that has elapsed since the start of the pattern. When a pattern is repeatedly executed or all patterns are executed, the time counting restarts at the top of each pattern.



Monitor

Monitor Range	Unit
0.00 to 99.59	Program time unit

When the time exceeds “99.59”, “99.59” blinks on the display.

rPlā

Pattern execution count monitor



Function

- Displays the number of times that the current pattern has been executed. “0” is displayed when the controller is reset or when the controller is in a standby state.



Monitor

Monitor Range	Unit
0 to pattern execution count	Times



See

- Related parameter
“Pattern execution count” (program mode)



MV monitor (heat)



MV monitor (cool)

Conditions of Use

The control must be standard control or heating and cooling control.



Function

- This parameter cannot be set.
- Monitors the manipulated variable on the heating or cooling side.
- The manipulated variable in a standard control system is monitored in the “MV monitor (heat)” parameter.
- The “MV monitor (cool)” parameter can be used only during heating and cooling control.



Monitor

- MV monitor (heat)

Control	Monitor Range	Unit
Standard	-5.0 to 105.0	%
Heating and cooling	0.0 to 105.0	%

- MV monitor (cool)

Control	Monitor Range	Unit
Heating and cooling	0.0 to 105.0	%

E5EK-TAA2



Model



Valve opening monitor

Conditions of Use

The control must be position-proportional control.



Function

- Monitors the valve opening during position-proportional control.



Monitor

Monitor Range	Unit
-10.0 to +110.0	%

“----” is displayed when a potentiometer is not connected.



See

- Related description

See Section 4.1 Selecting the Control Method/Position-proportional control



Model

E5EK-TPRR2