








Option Mode

- The parameters in this mode can be used only when the “security” parameter (protect mode) is set to “0” and “1”.
- You can select this mode only on controllers that support optional functions. In this mode, you can set the communications conditions, transfer output and event input parameters to match the type of optional function supported on the controller.
- To select this mode, press the  key for 1 second minimum. The display changes to the menu display. If you select [ōPt] using the  and  keys, and then press the  key for 1 second minimum, the controller enters the option 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 this mode and the page where the parameter is described.

Symbol	Parameter Name	See
Eu-1	Event input assignment 1	below
Sbzt	Communication stop bit	below
LEn	Communication data length	below
PrtY	Communication parity	below
bPS	Communication baud rate	below
U-nō	Communication unit No.	below
tr-t	Transfer output type	below
tr-H	Transfer output upper limit	below
tr-L	Transfer output lower limit	below

EW-1

Event input assignment 1

Conditions of Use

The event input function must be in use.



Function

- The following functions are assigned as event inputs:
“Run/reset,” “Auto/manual,” “Hold/hold cancel,” “Advance,”
“Pattern select 0 to 1”
- Weighting of the remote/local function is as follows:
Pattern select 0 = 2^0 , Pattern select 1 = 2^2
- When event input is used as advance input, program steps are advanced at the rising edge (OFF→ON) of the event input signal. When event input is used as run/reset input, the program is reset at the rising edge (OFF→ON) of the event input signal, and the program runs at the falling edge (ON→OFF). Other signals are accepted as during regular operation.



Comment

Settings	Function
\overline{ON}	Event input disabled
\overline{RST}	OFF→ON : Reset / ON→OFF : Run
\overline{MAN}	ON : Manual / OFF : Auto
\overline{HOLD}	ON : Hold / OFF : Hold cancel
\overline{ADV}	OFF→ON Execution
$\overline{Ptn0}$	OFF: pattern 0 / ON: pattern 1 (*1)
$\overline{Ptn1}$	OFF: pattern 0 / ON: pattern 2 (*2)

*1 Enabled when the “number of patterns” parameter is set to “2” or more

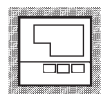
*2 Enabled when the “number of patterns” parameter is set to “3” or more

- Default is “ \overline{RST} ”.



See

- Related description
4.7 How to Use Event input
- Related parameters
“Remote/local” (level 2 mode)
“Hold” “Advance” (level 0 mode)
“Pattern No.” (level 0/program mode)



Model

- Option units
E53-CKB

5b2t

Communication stop bit

LEn

Communication data length

PrtY

Communication parity

Communication baud rate

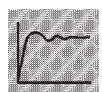
bP5

Communication unit No.

U-nō

Conditions of Use

The communications function must be in use.



Function

- These parameters are enabled when the power is turned ON again.
- These parameters set the communications conditions. Make sure that the stop bit, data length, parity and baud rate of the host computer and the E5CK-T controller are matching.
- When connecting two or more E5CK-T controllers to the host computer, set unit Nos. that will not conflict with the unit Nos. of other controllers.



Comment

- “Communication stop bit” parameter

Setting Range	Unit	Default
1, 2	Bits	2

- “Communication data length” parameter

Setting Range	Unit	Default
7, 8	Bits	7

- “Communication parity” parameter

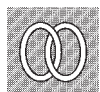
Setting	Default
“nōnE”: None/ “EυEn”:Even/ “ōdd”:Odd	EυEn

- “Communication baud rate” parameter

Setting Range	Unit	Default
1.2, 2.4, 4.8, 9.6, 19.2	kbps	9.6

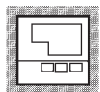
- “Communication unit No.” parameter

Setting Range	Unit	Default
0 to 99	None	0



See

- Related description
Chapter 6 Using the Communications Functions
- Related parameter
“Remote/Local” (level 2 mode)



Model

- Option units
E53-CK01/03



Transfer output type



Transfer output upper limit



Transfer output lower limit

Conditions of Use

The transfer output function must be in use.



Function

- These parameters set the transfer output conditions.
- The “transfer output type” parameter selects one of the following data items as the transfer output type, and assigns this to transfer output:
Present SP, Process value, Manipulated variable (heat), Manipulated variable (cool) (during heating and cooling control)

- The “transfer output upper limit” and “transfer output lower limit” parameters are used for scaling of transfer output. The setting range varies according to this output data. Also, a lower limit value larger than the upper limit value may be set.
- During temperature input, the decimal point position of the set point or process value is dependent on the currently selected sensor, and during analog input on the results of scaling.
- Set the scaling of the present SP or process value within the sensor input indication range.



Comment

Transfer Output Type		Transfer Output Lower Limit to Transfer Output Upper Limit
“ SP ”	Present SP	-1999 to 9999
“ PV ”	Process Value	-1999 to 9999
“ δ ”	Manipulated variable (heat)	-5.0% to 105.0% (standard control), 0.0 to 105.0% (heating and cooling control)
“ $\bar{\delta}$ ”	Manipulated variable (cool)	0.0 to 105.0%

- Default : [SP].



See

- Related description
4.9 How to Use Transfer Output



Model

- Option units
E53-CKF