

How to Use Event Input

- When using event input, add on the input unit (E53–CKB)
- Switching by event input is not possible on the menu display.
- Switch event inputs ON and OFF while controller power is ON.

Input assignments

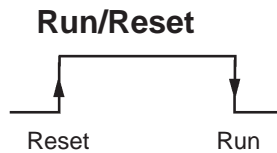
- You can choose from the following five event input functions:
Run/Reset
Auto/Manual
Hold/Hold cancel
Advance
Pattern select
- Event input ON/OFF judgment is carried out on inputs of 200 ms minimum.
- When event inputs are used as program advance input, the program step is advanced at the rising (OFF→ON) edge of the input signal. When event inputs are used as run/reset input, program operation is stopped (reset) at the rising (OFF→ON) edge of the input signal, and program operation is started (run) at the falling (ON→OFF) edge. Other signals are accepted at all times.
- Set event input assignments in the “event input assignment 1” parameter (option mode).
- The following table shows the relationship between the settings and functions of the “event input assignment 1” parameter.

Setting	Function
<i>non</i>	Event input disabled
<i>rSt</i>	OFF→ON: Reset / ON→OFF: Run
<i>rAn</i>	ON: Manual / OFF: Auto
<i>Hold</i>	ON: Hold / OFF: Hold cancel
<i>Adv</i>	Execute at OFF→ON
<i>Ptn0</i>	OFF : pattern 0 / ON: pattern 1 (*1)
<i>Ptn1</i>	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

Detailed description of input functions



- There is no order of priority in event input, key operations and communications command setup. However, remote/local, auto/manual, hold/hold cancel or pattern selection be set to either of ON or OFF. So, parameters will always follow event input even if you try to switch settings by key operation and communications commands.

- Program operation is stopped (reset) at the rising edge (OFF→ON) of the event input signal, and the RST LED lights. Program operation is started (run) at the falling edge (ON→OFF) of the event input signal.

Auto/Manual

- When event input is set to “ON”, the controller is switched to manual operation, and the “MANU” LED lights.

Hold/Hold cancel

- This function is enabled only during program operation.
- The program is paused (Hold) when the event input is ON, and the “HOLD” LED lights. Holds continue until the state of the event input changes to OFF.



- This function is enabled only during program operation.
- Program steps are advanced at the rising (OFF→ON) edge of the event input signal. Accordingly, be sure to set event input OFF before you use this function.

Pattern select

- This function is enabled only when the program is reset.
- Patterns are selected by pattern select input. The number of patterns that can be selected are dependent on the value set to the “number of patterns” parameter. For example, when this parameter is set to “4”, you can select from patterns 0 or 2.

Parameters

Symbol	Parameter Name: Mode	Description
E_{L-1}	Event input assignments Option	Event input functions