

## Program output

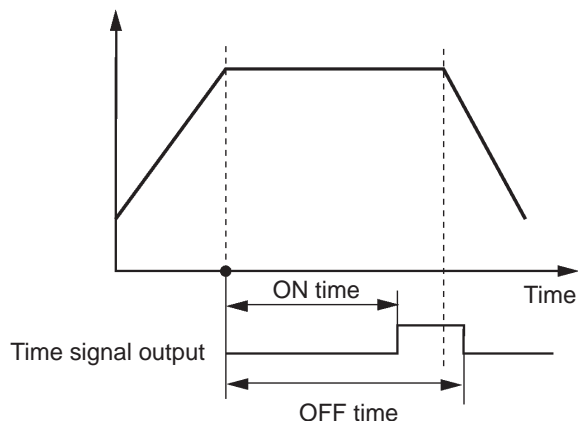
- The E5CK-T outputs the following signals according to how far the program has elapsed:

Time signal 1/2  
Program end  
Stage output

- These functions can be used only when they have been assigned as outputs.

## Time signal

- Two types of time signals can be set to each pattern.



- There are two timers for time signals: ON time timer and OFF time timer. These times are counted from the beginning of the step.
- Output is ON from the ON time elapsed point up to the OFF time elapsed point.
- Set the step at which to output the time signal in the “time signal 1/2 enabled step” parameter (program mode). (Default is “0: step 0.”)
- Set the ON/OFF timing in the “time signal 1/2 ON time” and “time signal OFF time” parameters (program mode).

## About ON conditions

- When the OFF time is set shorter than the ON time, output is ON until a reset from the ON time elapsed point onwards or at start of the next pattern.
- Output does not turn ON when ON and OFF times are set the same.
- When step advance is executed during execution of the time signal enabled step, the controller judges that the time equivalent to the enabled step has elapsed. For example, in the above figure, output is ON from the start of the following step up to the OFF time elapsed point.



### About Pattern Elapsing Time

You can verify the pattern elapsing time in the “pattern elapsing time” param (level 0 mode). During repeated execution of patterns or run all execution, the gram is counting for each pattern.

If the count exceeds the monitor range (99 hours:59 minutes or 99 minutes:5 conds), “99.59” is displayed flashing.

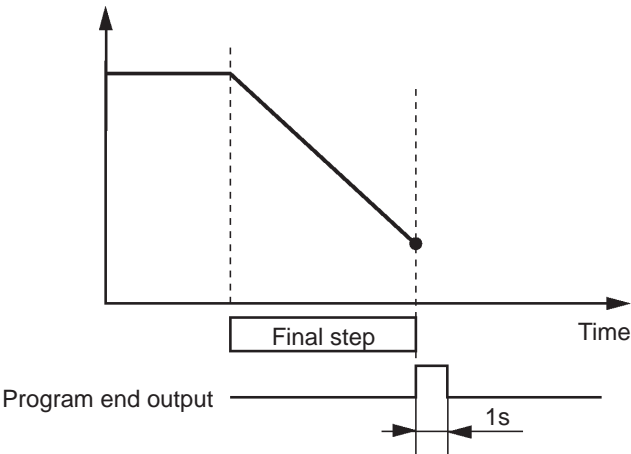
During Hold, time counting is paused.

Executing Advance, the skipped step time is counted.

Program status

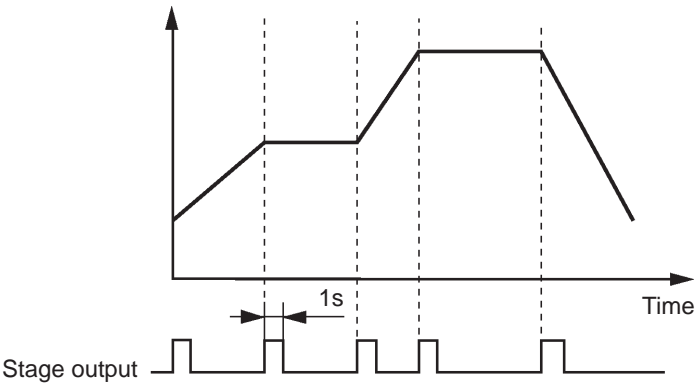
Program end

- One-second pulse signal is output after the final step is completed.



Stage output

- One-second pulse signal is output at the beginning of each step.



Parameters

| Symbol        | Parameter Name: Mode        |           | Description    |
|---------------|-----------------------------|-----------|----------------|
| $tS \times S$ | Time signal*set step        | : Program | Time signal    |
| $\bar{on} *$  | Time signal*ON time         | : Program | Time signal    |
| $\bar{of} *$  | Time signal*ON time         | : Program | Time signal    |
| $\bar{out} *$ | Control output*assignment   | : Setup   | Program status |
| $Sub *$       | Auxiliary output*assignment | : Setup   | Program status |

\* : 1 to 2