Monitor & Program setting mode

A program setting procedure is shown below using the example pattern. The screens shown below are examples. Displayed screens may be different depending on the specification and the setting.

[Example pattern] Level (°C)

<table>
<thead>
<tr>
<th>Segment 1</th>
<th>Segment 2</th>
<th>Segment 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>Time</td>
<td>Pattern end time</td>
</tr>
<tr>
<td>200</td>
<td>10 min.</td>
<td>15 min.</td>
</tr>
<tr>
<td>100</td>
<td>20 min.</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>15 min.</td>
<td></td>
</tr>
</tbody>
</table>

1. Program setting (See chapter 1 below)

- **Pattern link number**
- **Event setting** (Event 1 to 4)
- **Time signal setting** (Time signal 1 to 4)
- **Pattern end output time setting**
- **Pattern end pattern number setting**
- **Pattern link number setting**
- **Event setting** (Event 1 to 4)
- **Time signal setting** (Time signal 1 to 4)
- **Pattern end output time setting**
- **Pattern end pattern number setting**
- **Pattern link number setting**
- **Event setting** (Event 1 to 4)
- **Time signal setting** (Time signal 1 to 4)
- **Pattern end output time setting**
- **Pattern end pattern number setting**
- **Pattern link number setting**

2. Operation (See the back of this paper for chapter 2)

- **Event setting** (Event 1 to 4)
- **Time signal setting** (Time signal 1 to 4)
- **Pattern end output time setting**
- **Pattern end pattern number setting**
- **Pattern link number setting**
- **Event setting** (Event 1 to 4)
- **Time signal setting** (Time signal 1 to 4)
- **Pattern end output time setting**
- **Pattern end pattern number setting**
- **Pattern link number setting**

3. Monitor mode (See the back of this paper for chapter 3)

- **PV/SV monitor**
- **End time setting**
- **Pattern end output time setting**
- **Pattern end pattern number setting**
- **Pattern link number setting**
- **Event setting** (Event 1 to 4)
- **Time signal setting** (Time signal 1 to 4)
- **Pattern end output time setting**
- **Pattern end pattern number setting**
- **Pattern link number setting**

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**Notes for the display**

- **Legend**
  - Press X key once
  - Press X key twice
  - X:  Press X key once
  - X:  Press X key twice
  - Press X key three times
  - Press X key four times

- **Flashing digit**
  - Indicates which digit can be set.
  - Press X key to go to a different digit.

- **PV/SV monitor screen**
  - The PV/SV monitor screen can be reached from any screens by any of the following operations.
  - Press and hold X key for three seconds.
  - Press X key once.

- **Execution segment number**
  - Segments can be set.

- **Execution pattern number**
  - Patterns can be set.

- **Execution time**
  - Time can be set.

- **Execution level**
  - Level can be set.

- **Execution segment number**
  - Segments can be set.

- **Execution pattern number**
  - Patterns can be set.

- **Execution time**
  - Time can be set.

- **Execution level**
  - Level can be set.

- **Execution segment number**
  - Segments can be set.

- **Execution pattern number**
  - Patterns can be set.

- **Execution time**
  - Time can be set.

- **Execution level**
  - Level can be set.

- **Execution segment number**
  - Segments can be set.

- **Execution pattern number**
  - Patterns can be set.

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- **Execution time**
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- **Execution level**
  - Level can be set.
2. Operation

Preparation before operation
Before starting the program control, select a pattern to be used in the program control. Patterns can be switched in the Reset mode (RESET).

Switch patterns one by one
When the PTN key is pressed in Hold mode (HOLD), the program pattern cannot be changed while Hold mode is on. Hold mode is on.

Switching to a desired pattern
Press the PTN key for 2 seconds or more to enter the Pattern switching mode. Press the PTN key for 2 seconds or more during the Program control operation.

Suspending program progress (HOLD)
The Hold (HOLD) function is used to suspend the program progress during the program control.

Execution method
To enter the HOLD status, press the HOLD key for 2 seconds or more during the Program control operation. When an event occurs, the HOLD status is not cleared.

END display
The END (HOLD) display is cleared when the HOLD status is removed.

3. Monitor mode

Monitor & Program setting mode

PV/s monitor

Monitor & Program setting mode (Program control mode)

Current transformer 2 (CT2) input value

Comprehensive event state

When an event occurs, the measured value of the program control is displayed. Press the PF key to display the measured value when an event occurs.

Input selection

Input selection

Display during program control

Function of ALM lamp

PV selection at program start

SV selection at program start

Start/Stop (Reset) of program control

To start the program, switch the mode to Program control mode (RUN) on the Monitor & Program setting mode.

Execution method
Press the RUN key in the Program control mode (RUN) to start the program. The program will be executed.

Displays during program control

Checking pattern status (Up/Down)

End on time

Ending the Program

When the program ends and the instrument enters the Program end state, a screen is displayed.

Pattern display

When Pattern display is reached, "END (HOLD)" is displayed on the TIME display. When Pattern display is reached, the remaining time of Pattern output and "END" are displayed alternately.

Press the RESET key to return the Reset mode (RESET).

Moving one segment forward (STEP)
The STEP function is used to move the program process one segment forward.

Execution method
When Pattern display is reached, press the STEP key for 2 seconds or more during the Program control operation.

STEP function
Press the STEP key to start the STEP function. The STEP function is not operative when the program is in HOLD state.

Ending the Program
When the program ends and the instrument enters the Program end state, a screen is displayed.

Pattern display
When Pattern display is reached, "END (HOLD)" is displayed on the TIME display. When Pattern display is reached, the remaining time of Pattern output and "END" are displayed alternately.

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Press the RESET key to return the Reset mode (RESET).