

## Security



## Protect Mode

This parameter allows you to protect until start of operation parameters that do not change during operation to prevent unwanted modification.

The set value of the “security” parameter (protect mode) limits the range of protectable parameters. The following table shows the relationship between set values and the range of protection. (Only modes marked by ● can be operated.)

Mode	Set value						
	0	1	2	3	4	5	6
Calibration	●	●					
Option	●	●					
Expansion	●	●					
Setup	●	●					
Level 2	●	●	●				
Level 1	●	●	●	●			
Program	●	●	●	●	●		
Level 0	●	●	●	●	●	●	*1

\*1 Only the “PV/Present SP” parameter can be displayed.

When this parameter is set to “0”, parameters are not protected.

When this parameter is set to “5”, operations in only the level 0 mode can be selected, and the mode is not displayed on the menu display.

When this parameter is set to “6”, the “PV/Present SP” parameter can only be monitored.

Default is “1”.

## Key protect



This parameter disables key operation for switching run/reset or auto/manual. For example, if you protect the key operation for switching auto/manual by the “key protect” parameter (protect mode) during automatic operation, the controller cannot be set to the manual mode, preventing manual operation of the controller during operation.

The following table shows the relationship between set values and keys that are protected.

Set value	Description
0	Key protection OFF
1	A/M cannot be selected.
2	RUN/RST cannot be selected.
3	Both A/M and RUN/RST cannot be selected.

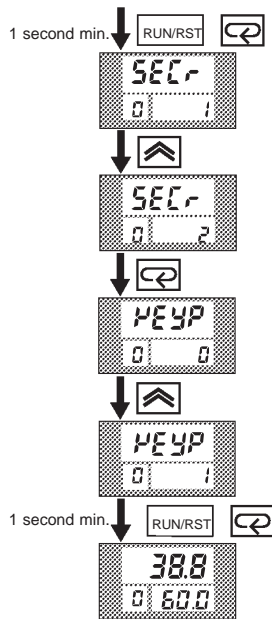
Default is “0 : All keys can be operated.”

### Setting Example

In this example, let’s set the parameters as follows:

“Security” “2” (all parameters in modes other than the setup mode are protected)

“Key protect” “1” (Auto/manual key operation cannot be switched)



- (1) Press the **RUN/RST** and **KEY** keys simultaneously for 1 second minimum. The controller enters the protect mode. In the protect mode, the top parameter in the protect mode “security” is displayed. Default is “1”.

Press the **UP** key to change the parameter setting to “2”.

Press the **KEY** key to switch to the “key protect” parameter.

Press the **UP** key to change the parameter setting to “1”.

Press the **KEY** and **RUN/RST** keys simultaneously for 1 second minimum. The display changes to the “PV/ Present SP monitor” parameter (level 0 mode).