

- The protect function restricts key use to prevent unwanted key operation. Before changing parameters in this mode, first make sure that protecting the keys will not cause any problems in operation.
- To select this mode, press the **RUN/RST** and **↺** keys simultaneously for 1 second minimum. To exit this mode, press the **RUN/RST** and **↺** keys simultaneously again for 1 second minimum.
- The following table shows the parameters supported in this mode and the page where the parameter is described.

Symbol	Parameter Name	See
SEC	Security	below
KEYP	Key protect	below

SEC Security



Function

- This parameter specifies which parameters are protected. Note that the protect mode and manual mode cannot be protected.



Comment

- Only the modes indicated by the “●” mark in the table below can be selected on the menu display. For example, when this parameter is set to “3”, only levels 0 and 1 and the program mode can be selected.

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

*1 The “PV/Present SP” parameter is only displayed.

- When this parameter is set to “0”, the protection function is disabled.
- When this parameter is set to “5”, only the parameters in the level 0 mode can be used, and the menu display is not selected.
- When this parameter is set to “6”, “PV/Present SP” parameter can only be displayed. (The set point cannot be changed.)
- Default is “1”. (Only the calibration mode is protected.)



See



- Related description
See Section 3.6 Protect Mode



Key protect




Function

- Disables key operation of the RUN/RESET or AUTO/MANUAL. For example, if AUTO/MANUAL key operation is disabled (by simultaneously pressing the  and  keys) in the “key protect” parameter (protect mode) during automatic operation, manual operation is no longer possible.



Comment

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

Set value	Description
1	No keys are protected.
2	AUTO/MANUAL key operation cannot be selected.
3	 key cannot be selected.
4	Both the AUTO/MANUAL and RUN/RESET key operations cannot be selected.

- Default is “0” (all keys can be operated).



See

- Related description
See Section 3.6 Protect Mode