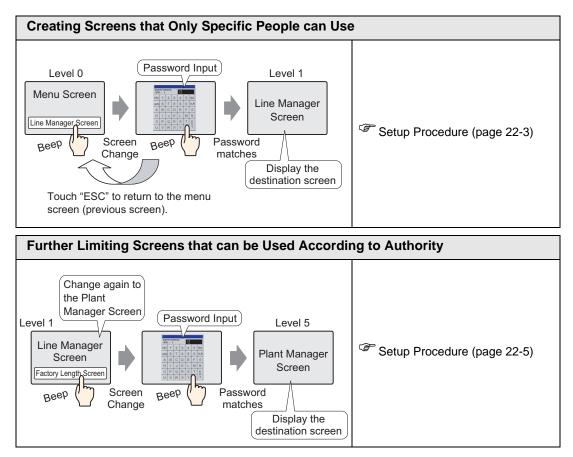
22 Protecting Screens with Passwords

This chapter explains about "Protecting Screens with Passwords" in GP-Pro EX and the basic functions used to change settings.

Please start by reading "22.1 Settings Menu" (page 22-2) and then turn to the corresponding page.

22.1	Settings Menu	22-2
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22.1 Settings Menu

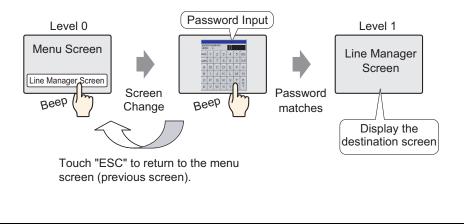


22.2 Creating Screens that Only Specific People can Use

22.2.1 Setup Procedure

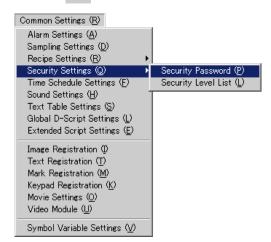
NOTE • Please refer to the settings guide for details.

Sets a Line Manager Screen (Screen No.: B2) with security level 1 and a password (1111).



NOTE • Security level 0 means no security is set.

1 Select the [Common Settings (R)] menu - [Security Settings (O)] command - [Security Password (P)] option, or click ♀ from the toolbar.

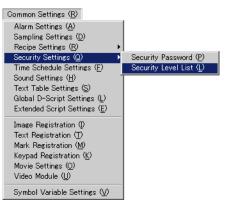


2 The Password Settings screen opens. Put a check mark next to the [Enable Security Function] box, and input the password "1111" in [Level 01].

📃 Bas	e 1 📜 Base 2 🐜 Security Pa	ssword
Securit	y Password	
En En	able Security Function	
Low	Level 01 1111	
	Level 02	
	Level 03	
	Level 04	
	Level 05	
	Level 06	
	Level 07	
	Level 08	
	Level 09	
	Level 10	
	Level 11	
	Level 12	
	Level 13	
	Level 14	
High	Level 15	Extended Settings

NOTE • Please set a password of up to 8 characters.

3 Select the [Common Settings (R)] menu - [Security Settings (O)] option - [Security Level List (L)] command.



4 Set the Line Manager screen's (Screen No.: B2) [Security Level] to "1" and the process is complete.

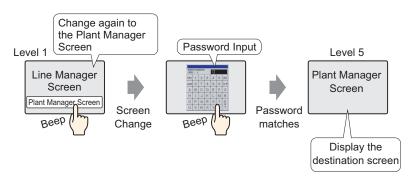
🛄 Base 1 📗	💂 Base 2 🐜 Security	y Password Security Level	
Security Level L	.ist Block Chang	ge	
Screen No.	Security Level		Title
B1	0	Menu Screen	
B2 1	1 🚍	Line Manager Screen	

22.3 Further Limiting Screens that can be Used According to Authority

22.3.1 Setup Procedure

• Please refer to the settings guide for details. ⁽²⁾ "22.5 Common Settings Guide (Security Settings)" (page 22-9)

Sets a Plant Manager Screen (Screen No.: B3) with security level 5 and a password (5555).



1 Select the [Common Settings (R)] menu - [Security Settings (O)] command - [Security Password (P)] option, or click on from the toolbar.

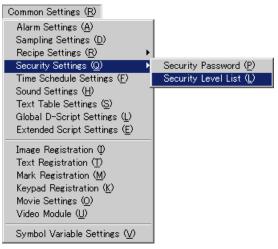
Common Settings (<u>R</u>)	
Alarm Settings (<u>A</u>)	
Sampling Settings (<u>D</u>)	1
Recipe Settings (<u>R</u>)	
Security Settings (<u>Q</u>) 🔹 🕨	Security Password (<u>P</u>)
Time Schedule Settings (<u>F</u>)	Security Level List (L)
Sound Settings (<u>H</u>)	
Text Table Settings (<u>S</u>)	1
Global D-Script Settings (L)	1
Extended Script Settings (<u>E</u>)	
Image Registration Ø	
Text Registration (<u>T</u>)	1
Mark Registration (<u>M</u>)	1
Keypad Registration (<u>K</u>)	1
Movie Settings (<u>O</u>)	1
Video Module (<u>U</u>)	
Symbol Variable Settings (V)	

2 The Password Settings screen opens. Put a check mark next to the [Enable Security Function] box, and input the password "1111" in [Level 01], and input the password "5555" in [Level 05].

📃 Base	e 1 🖳 Base 2 🐄 Security Passwor	ł
Securiț	y Password	
🔽 Ena	able Security Function	
Low	Level 01 1111	
	Level 02	
	Level 03	
	Level 04	
	Level 05 5555	
	Level 06	
	Level 07	
	Level 08	
	Level 09	
	Level 10	
	Level 11	
	Level 12	
	Level 13	
	Level 14	
High	Level 15 Exte	nded Settings

NOTE • Please set a password of up to 8 characters.

3 Select the [Common Settings (R)] menu - [Security Settings (O)] option - [Security Level List (L)] command.



4 Set the Line Manager screen's (Screen No.: B2) [Security Level] to "1", set the Plant Manager screen's (Screen No.: B3) level to "5", and the process is complete.

📃 Base 1 🛛	💻 Base 2 🖣	Security Pa	ssword	Ģ	Base 3	O TI	Security Level	
Security Level	List Block	< Change						
Screen No. 🗠	Security Leve	el						Title
B1		0 Me	nu Screer	n				
B2		1 Lin	e Manage	er Scr	een			
B3	5	🚍 Pla	nt Manag	er So	reen			
	-							

22.4 Password Input Window

22.4.1 Introducing the Password Input Window

The password input window automatically appears when you try to display a screen with a higher security level than the one that is currently displayed. A password appears as asterisks (*) when being inputted.

ENTE	D D 69	SUIIORD	_	_		
LEVEL						
ESC	1	2	3	4	5	BS
CAPS	6	7	8	9	0	CLR
A	В	С	D	E	Ē	G
Н	1	J	K	L	M	N
0	Ρ	Q	R	S	Т	EN
U	۷	W	X	Y	Ζ	T

Display	Description		
ESC	Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input window. Image: Canceling the password input will close the password input will close the password input window. Image: Canceling the password input will close the password input will c		
CAPS	 Changes between uppercase and lowercase letters. When the [CAPS] key is displayed in the reverse color (black), it will input lowercase letters. NOTE Even if you change between uppercase and lowercase letters, the keypad will only display in uppercase letters. 		
ENT	Confirm the inputted password.		

Continued

Display	Description
LEVEL (Request Level Display)	Shows the security level of the screen you are trying to display. Image: Decemption Image: Decemption

22.5 Common Settings Guide (Security Settings)

22.5.1 Password Settings

•	🗪 Security Password				
	Security	y Password			
	🔽 Ena	ble Security	Function		
	Low	Level 01			
		Level 02			
		Level 03			
		Level 04			
		Level 05			
		Level 06			
		Level 07			
		Level 08			
		Level 09			
		Level 10			
		Level 11			
		Level 12			
		Level 13			
		Level 14			
	High	Level 15		Extended Settings	

Setting	Description
Enable Security Function	Select whether or not to use the security function.
Level 01 - Level 15	 Set the password for security level 1 to 15. Password must be 1 to 8 single-byte characters. Passwords are casesensitive. Passwords can be set only for needed security levels. It is not necessary to set a password for all levels. NOTE The same password can not be used for multiple security levels. By setting a password in security level 15, you can change all security level passwords on the GP (offline mode).
Extended Settings	Displays the [Extended Settings] dialog box. ☞ "■ Extended Settings" (page 22-10)

Extended Settings

💰 Extended Settings 🛛 🗙
Password Cancel Notification Bit
Notification Bit Address [PLC1]X00000
Security Level Auto Clear Time 5 📑 🚮 Minute
Use level 15 password to go Offline
Level 15
OK (<u>D</u>) Cancel

Setting	Description		
Enable Notification	Specify this when you will use the notification function of canceling the password input window that appears when you change screens from the device with the [ESC] key.		
Bit	This will not work when changing screens by touch.		
Notification Bit	When you cancel a password input window with the [ESC] key, the designated Notification Bit Address turns ON.		
Address	When you cancel a password input window with the [ESC] key, the designated Notification Bit Address turns ON.If you haven't set the System Settings Window's [Main Unit Settings] - [Display Settings] tab - [Reflect in Device/PLC] option, observe this Notification Bit ON, and return the [Change-To Screen No.] ^{*1} to the same number as [Current Screen No.] in the device. If the original screen number is returned, the password input window will automatically close.		
Security Level Auto Clear Time	 This feature sets the length of time required before the security level status returns to "0" assuming no GP unit operations/screen changes are performed. The time can be set from 1 to 60 minutes. NOTE If "0" is entered for the min. value, the security level status will not be automatically cleared. When the LS9300's 0 bit goes from OFF to ON by performing the internal device address's bit action, the security level is cleared and the current security level stored in LS9301 becomes 0. After the Security Level Clear occurs, please return LS9300's 0 bit to OFF. (LS9301 is read-only.) 		

Continued

Setting	Description	
Use level15 password to go Offline	 When you change to OFFLINE mode, the password input window will appear on the GP display and request the security level 15 password. NOTE When you change back to online mode, the security status level will change back to "0", indicating no password is required. 	
Level 15	Set the password for security level 15.	

*1 [Change-To Screen No.], set it up in the System Data Area. ^(C) "5.13.6 [System Settings Window] Settings Guide System Area Settings" (page 5-120)

22.5.2 Security Level List

🖣 Security Pas:	sword 🖣 Security Le	vel d b x		
Security Level List Block Change				
Screen No. 🔺	Security Level	Title		
B1	0			
B2	0			
B3	0			
B4	0			
B5	0			
	-			

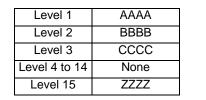
Setting	Description		
Screen No.	Displays the screen number.		
Security Level	Set each screen's security level. NOTE • When setting multiple screens to the same security level, please use [Block Change].		
Comment	Displays each screen's title.		
Block Change	Displays each screen's title. Mass update the selected security levels. Select multiple screens to change, and click on [Block Change]. A security level dialog box will appear and allow you to change the settings. Image: Security Level Block Change Image: Change Security Level Image: Change Security Level Image: Change Security Level Image: Change Image: Security Level Image: Security L		

22.6 Restrictions

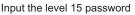
22.6.1 Restrictions for a Password Input Window

- The password input window cannot be edited.
- Passwords cannot be entered using a device/PLC.
- Passwords cannot be entered using a Bar-Code Reader.
- If the Trigger Bit of a Local Window or Global Window turns ON while the password input window is displayed, the Local or Global Window will only be displayed after the password input window closes.
- On window parts that are used to call window screens set with a security level, make sure not to set [Continuous Read]. Even if it is set, the password input window will not be displayed on the GP and the security function will not work.
- If you set a security level that has no registered password to a screen, that screen cannot be displayed unless you input a password for a security level higher than that screen. If there is no higher security level with a registered password, you will not be able to change to that screen.

e.g. 1) When the passwords are set as follows and the screen changes to a level 4 screen

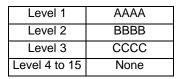


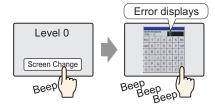




There is a password higher than level 4, so the screen change is permitted

e.g. 2) When the passwords are set as follows and the screen changes to a level 4 screen





Even if you have inputted something, pressing the [ESC] key will return to the previous screen.

There is no password higher than level 4, so the screen change is not permitted

• If you set a security level to the screen which first shows up when the GP is powered on (initial screen), the initial screen will operate even while the password input window is displayed in order to display the password input window after the initial screen is displayed. Also, you cannot cancel the displayed password input window with the [ESC] key. You need to input the correct password.

Memo