

Setting of the LEC Controller

The parameters of the LEC controller connected to the GW unit need to be changed from the default value as shown below. When setting the parameters within the LEC controller, It shows you how to set each parameter item by teaching box.

- Parameters for the LEC controller

LEC controller		Setting when the GW unit is connected	Remarks
Item	Default		
Controller ID of basic parameter	1	1 to 12	Assign an ID to each LEC controller connected to the GW unit in serial number so that the numbers do not overlap.
Communication speed of motor parameter	3 (38.4 kbps)	5 (115.2 kbps)	When using teaching box, set communication speed of the motor parameter at "5" (115.2 kbps).

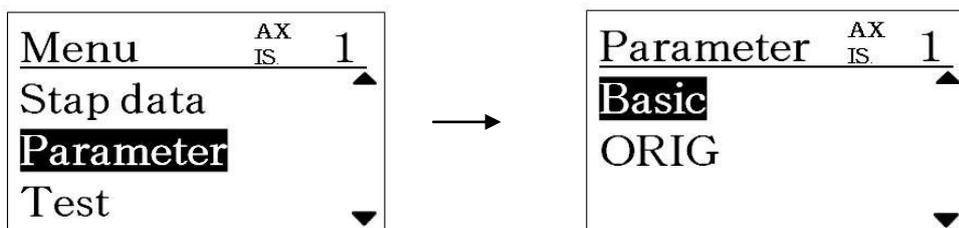
* The communication speed under the motor tab parameter needs to be matched to communication speed of the setting switch (B RATE) of the GW unit.

(1) Setting of the controller ID of basic parameter

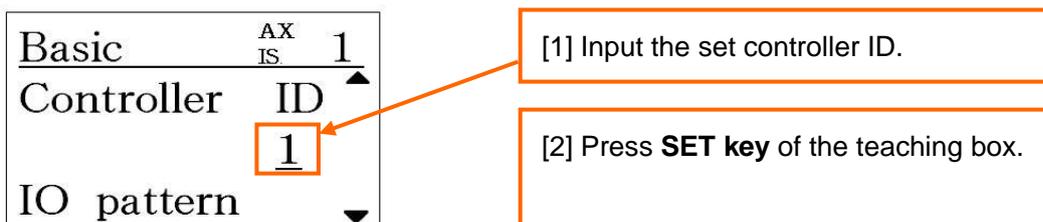
[When teaching box (LEC-T1-□) is used]

1. After connecting the teaching box to the LEC controller, select **Parameter** in Menu window and press the **SET** key. Then, select **Basic** in Parameter window and press the **SET** key.

(TB setting of the teaching box: Normal display mode)



2. Select **Controller ID** in Basic window and input the set value with the number keys, then, press the **SET** key.



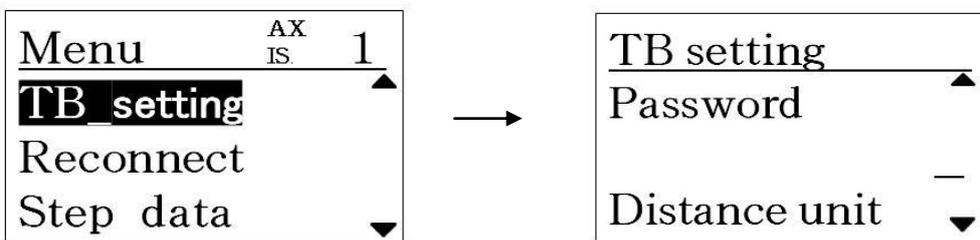
3. Turn off the power for the LEC controller. Subsequent turning the power on to the LEC controller, the input controller ID becomes valid.

(2) Setting of the communication speed of motor parameter

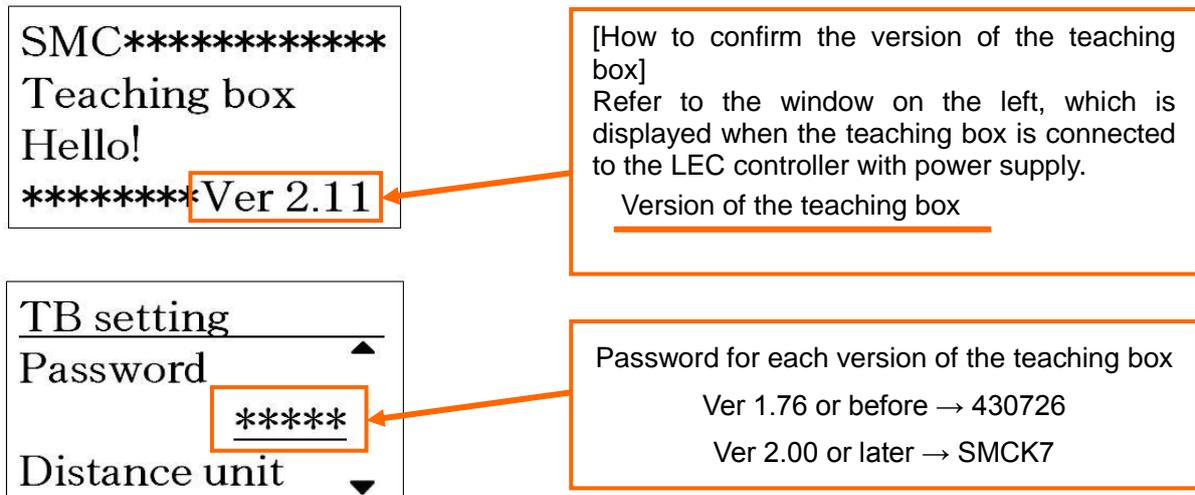
[When teaching box (LEC-T1-□) is used]

1. After connecting the teaching box to the LEC controller, select **TB setting** in Menu window and press the **SET** key. Then, select **Password** in TB setting window.

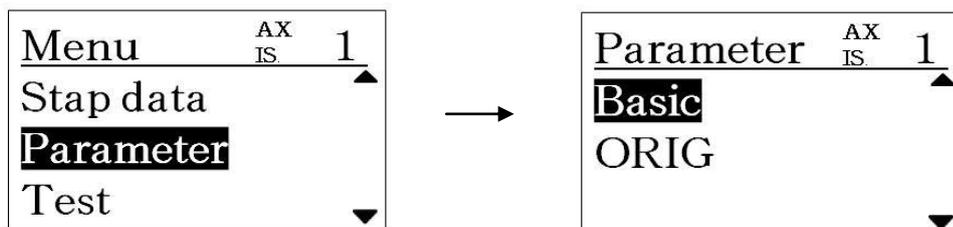
(TB setting of the teaching box: Normal display mode)



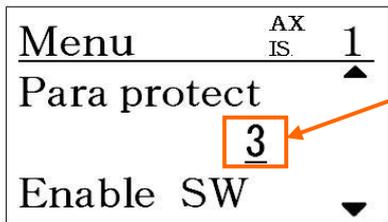
2. Enter the password applicable to the version of the teaching box, and press the **SET** key.



3. Return to the Menu window by pressing the **MENU** key, and select **Parameter** and press the **SET** key. Then, select **Basic** in Parameter window and press the **SET** key.



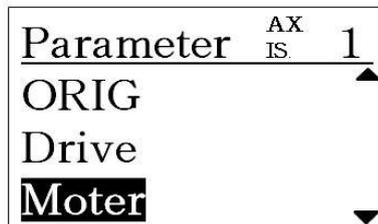
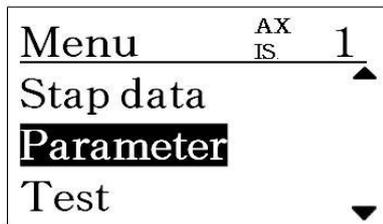
4. Select **Para protect** in the Basic Parameter window, and input "3" and press the **SET** key.



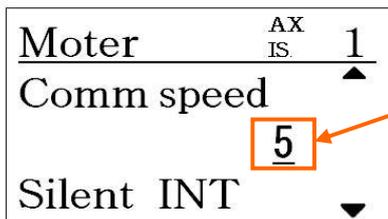
[1] Input "3" to Para protect with the number key.

[2] Press **SET** key of the teaching box.

5. Return to the Menu window by pressing the **MENU** key, and select **Parameter** and press the **SET** key. Then, select **Parameter** in Parameter window and press the **SET** key.



6. Select **Comm speed** in the Motor Parameter window, and input "5" and press the **SET** key.

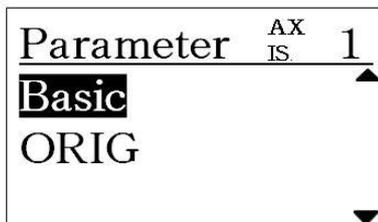
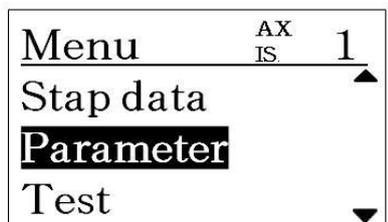


[1] Input "5" to Comm speed with the number key.

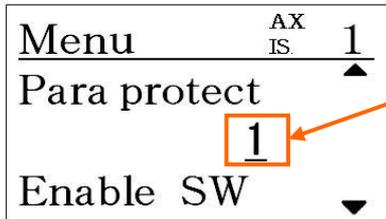
[2] Press **SET** key of the teaching box.

7. Turn off the power for the LEC controller. Subsequent turning the power on to the LEC controller, the input communication speed becomes valid.

8. Change the parameter protect to the default value. Select **Parameter** in Menu window and press the **SET** key. Then, select **Basic** in Parameter window and press the **SET** key.



9. Select **Para protect** in the Basic Parameter window, and input "1" and press the **SET** key.



[1] Input "1" to Para protect with the number key.

[2] Press **SET** key of the teaching box.

10. Turn off the power for the LEC controller. Subsequent turning the power on for the LEC controller, the input parameter protect becomes valid.

Caution

- **The settings of the communication speed of the GW unit and the LEC controller have to be matched.**

Otherwise, the communication between the GW unit and the LEC controller cannot be established.

- **When using teaching box (LEC-T1-□), set the controller IF communication speed at "5" (115.2 kbps).**

- **The default communication speed of the controller setting kit software (LEC-W2) is "Communication speed 3" (38.4 kbps).**

After changing the communication speed of the GW unit and the LEC controller, set the communication speed of the controller setting kit software (LEC-W2) so that "Communication speed 5" (115.2 kbps) and "Communication speed 6" (230.4 kbps) are valid.

- **Do not change any parameters other than "Controller ID setting" and "Communication speed setting".**

Otherwise, malfunction can result.

- **When using the LEC controller in stand-alone, change "Controller ID setting" and "Communication speed setting".**

- **The communication speed of the GW unit between the EtherNet/IP™ network is automatically selected by the GW unit (10 Mbps / 100 Mbps). It is not necessary to select the communication speed manually.**