

Quick Start



This quick start guide describes the basic setup of this product.

For information on menus, settings, and specifications not listed in this guide, refer to the instruction manual included with this product or download the user's manual from the OPTEX FA website.

OPTEX FA CO., LTD.

<https://www.optex-fa.com>

[Headquarters]

91 Chudoji-Awata-cho, Shimogyo-ku, Kyoto 600-8815 JAPAN
TEL +81-75-325-1314 FAX +81-75-325-2936

1 Configure the initial settings.

On the first power on, the initial setting menu will be displayed.

1/3 Select a language.

- ☐ English ☐ 日本語 ☐ 简体中文
☐ Espanol ☐ 한국어

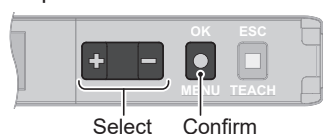
2/3 Select an I/O polarity.

- ☐ NPN ☐ PNP ☐ Push-pull

3/3 Select a light receiving level display mode.

- ☐ Std. display
☐ Hold display that displays peak/bottom levels, instead of real-time levels.

<Operation>

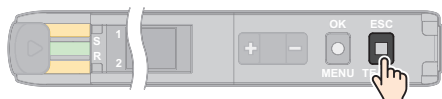


To go back to a previous menu, press the [ESC] key.

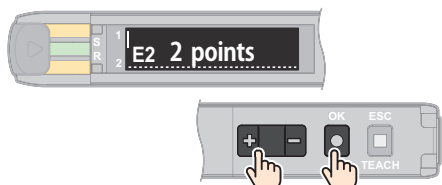
2 Perform teaching.

For stabler detection (2-point teach)

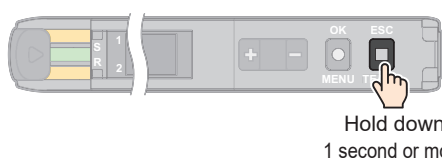
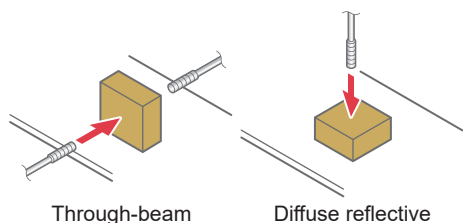
1 Press the [TEACH] key.



2 Press the [+/-] keys to display [2 points], and then press the [OK] key to confirm the selection.



3 Set the object for detection in place, and then hold down the [TEACH] key 1 second or more.



4 When the number blinks, the teaching of the first point has completed successfully.



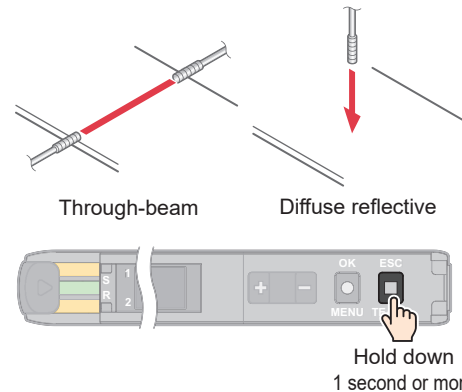
Use cases:

- Actual detection settings are available.
- Fluctuation of detection is estimated.

5 The screen for teaching the second point appears.



6 Remove the object for detection, and then hold down the [TEACH] key 1 second or more.



7 When the number blinks, teaching has completed successfully.



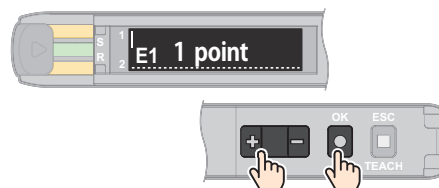
*The values for the light receiving level and threshold shown here are examples. These values with a through-beam or diffuse reflective fiber unit vary depending on the presence or absence of the detection object.

Easy setup (1-point teach)

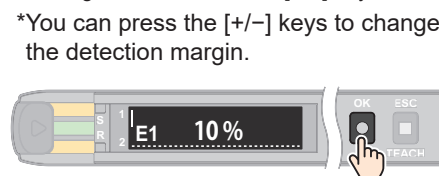
1 Press the [TEACH] key.



2 Press the [+/-] keys to display [1 point], and then press the [OK] key to confirm the selection.



3 "10%" (+10%) is displayed for the detection margin value. Press the [OK] key.

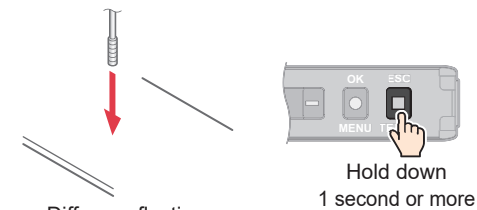


*You can press the [+/-] keys to change the detection margin.

Use cases:

- When you want to perform teach without a detection object.
- When you are using a diffuse reflective fiber unit.

4 With no detection object present, hold down the [TEACH] key 1 second or more.

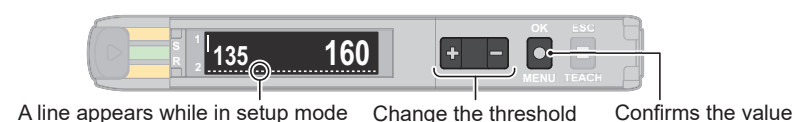


5 When the number blinks, teaching has completed successfully.



3 Manually adjust the threshold.

If necessary, you can manually adjust the threshold set for teach.



Check! Is the fiber unit inserted correctly?

Insertion status of fibers can be checked with the indicators.

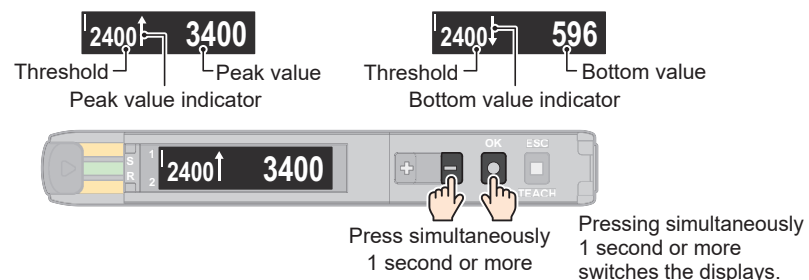
If the fiber is not inserted to the correct position, the light receiving level will be low, and accurate detection will not be possible.



Useful Functions

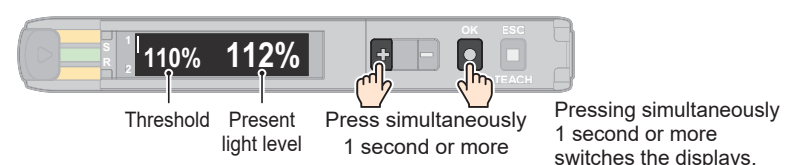
Clear monitoring of the light receiving levels with or without the detection object (Hold Display)

Instead of real-time display of received light amounts, peak or bottom values are displayed. The light receiving levels with or without the detection object can be easily confirmed for threshold adjustment.



Percentage display of light receiving level

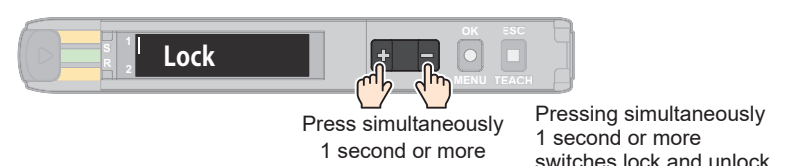
Light receiving levels can be displayed as a percentage, with 100% being the light receiving level during teaching. This function allows for easy monitoring of differences between multiple amplifiers and daily conditions of operations.



Preventing incorrect operation (Key Lock)

Key operations can be locked to prevent incorrect operation.

*In the initial settings, operation via external input is also locked.



Switching status display of outputs 1 and 2

Status display of outputs 1 and 2 can be switched for monitoring and configuration. The output indicators can be used to confirm which output is displayed.

