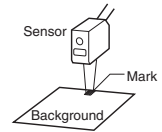
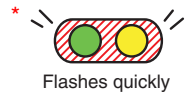


E3ZM-V**Teaching Procedure****Two-point Teaching (Button)**

- 1. Place the point at which you want the Sensor to turn ON in the spot position.**
Then press the teaching button for at least 2 seconds.



The teaching indicator (red) will start flashing quickly. (ON teaching is being requested.)
Perform the following operation within 7 seconds after first starting to press the teaching button. (After 7 seconds, the Unit will return to the original status.)



*The stability indicator (green) and operation indicator (yellow) will retain their lit or OFF status, and the teaching indicator (red) will flash.

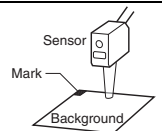
- 2. Press the teaching button for approximately 0.5 second.**
The teaching indicator (red) will turn OFF for approximately 0.5 second, and then ON teaching will be completed.



The operation indicator (red) will start to flash quickly again. (OFF teaching is being requested.)
This status will continue until the next teaching operation is executed.



- 3. Place the point at which you want the Sensor to turn OFF in the spot position.**

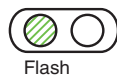


- 4. Press the teaching button for approximately 0.5 second.**
The teaching indicator (red) will turn OFF for approximately 0.5 second, and then OFF teaching will be completed.

**When Teaching Is Successful**

The stability indicator (green) indicates whether detection is stable.

- (1) Lit Indicator
→Detection can be performed stably even with workpiece flopping.
(2) Flashing Indicator
→Detection may be unstable because of workpiece flopping.
(3) Indicator OFF
→Detection is unstable.

**When Teaching Is Not Successful**

The teaching indicator (red) will flash slowly in cycles of approximately 6 seconds.



Repeat the operation starting from step 1.

Operation returns to normal.

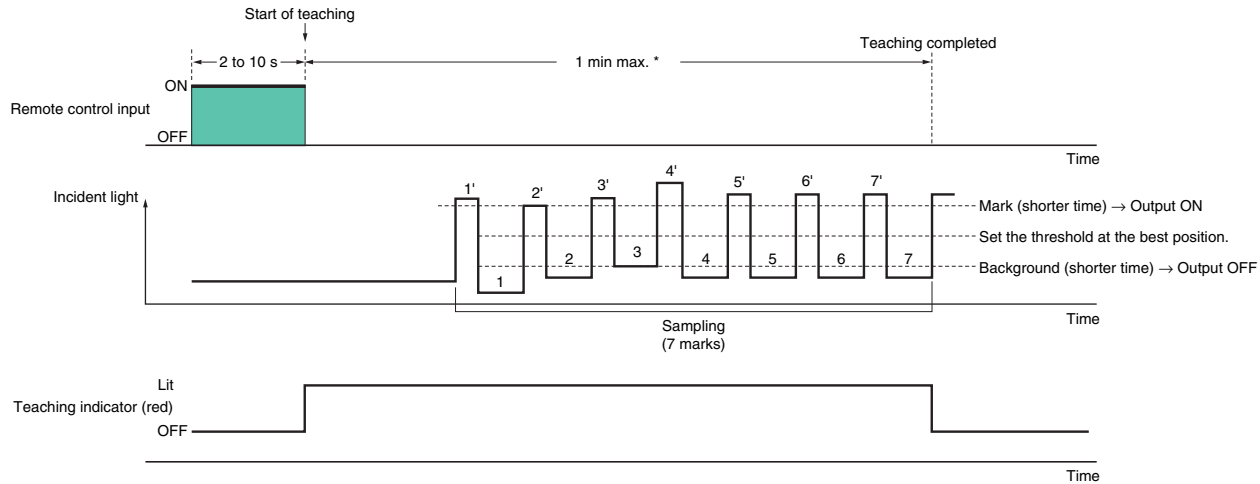
	Stable detection	Unstable detection
Point at which the Sensor must turn ON	 Lit Lit	 OFF Lit
Point at which operation must turn OFF	 Lit OFF	 OFF OFF

Remote Automatic Teaching

1. Input a pulse with a pulse width of at least 2 seconds but less than 10 seconds into the remote control input (pink).
2. Teaching will be executed automatically when the side with the shorter detection time (i.e., the mark) passes by the spot.
 - Allow a passing time of at least 1.5 ms.
 - Teaching will be completed when the mark has passed by seven times.
 - Teaching will not be successful if there is no difference in the amount of light between the mark and the background.
3. When detection is started, the output will be ON when the shorter detection time (i.e., the mark) is detected.

Note: Determine whether teaching has been completed according to whether the output is ON or OFF for the mark and background.

If the output does not turn ON and OFF for the mark and background even after one minute has elapsed since the remote control input was turned ON, teaching was not successful. Turn ON the remote control input again.



* Teaching will be cancelled if seven marks do not pass by within one minute after the remote control is input.

Precautions for Automatic Teaching (Remote)

- The operation mode can be set only to turn ON by the amount of light of the shorter detection time period. To set it to turn OFF by the amount of light of the shorter detection time period, use two-point teaching (manual).
- Automatic teaching (remote) may produce incorrect judgments if there is workpiece flopping or the workpiece surface has level differences or protrusions. In these cases, use two-point teaching (manual).
- This teaching function cannot be used if the background is not a solid color.