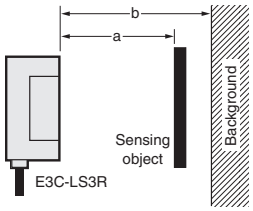
E3C

Sensors

E3C-LS3R



● Adjustment Method (I)

When the reflectivity of the sensing object is equal to or higher than that of the background object

(1)Place the Sensor at the position of a = 30^{+3}_{0} mm.

(2)Move the SENSITIVITY adjuster to the MAX position and make sure that the LIGHT and STABILITY indicators of the amplifier turn ON. If the LIGHT and STABILITY indicators do not turn ON, move the Sensor within a 2 to 3 mm range until the indicators turn ON.

(3)Remove the sensing object, turn the SENSITIVITY adjuster gradually to the MIN position, and stop turning it when the LIGHT indicator turns OFF. Define this position as point B.

(4)Place the sensing object in the given position.

(5)Move the SENSITIVITY adjuster to MIN from the position in (4), turn it gradually to the MAX position, and stop turning it when the LIGHT indicator turns ON. Define this position as point A. The optimum adjustment is made by setting the SENSITIVITY adjuster in the middle of points A and B.

	LIGHT indicator (red)	STABILITY indicator (green)
Sensing object	Lit	Lit
Background objects	Not lit	Lit

Make sure that the states in the above table are established.

● Adjustment Method (II)

When the reflectivity of the sensing object is lower than that of the background object

(1)Place the Sensor at the position of b = 30^{+3}_{-3} mm.

(2)Remove the sensing object.

(3)Turn the SENSITIVITY adjuster gradually from the MIN position to the MAX position, and stop turning it when the LIGHT indicator turns OFF. Define this position as point B.

(4)Place the sensing object in the given position.

(5)Turn the SENSITIVITY adjuster gradually to the MAX position and stop turning it when the LIGHT indicator turns ON. Define this position as point A.

(6)Set the SENSITIVITY adjuster in the middle of points A and B.

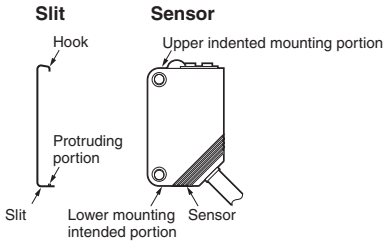
	LIGHT indicator (red)	STABILITY indicator (green)
Sensing object	Not lit	Lit
Background objects	Lit	Lit

Make sure that the states in the above table are established.

Note: To turn ON the output relay with the sensing object (turn the no-contact output “H”), set the operation selector switch to the “DARK ON” position.

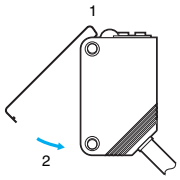
E3Z

Slits for Through-beam Models (E39-S65A/B/C/D/E/F (Sold Separately))

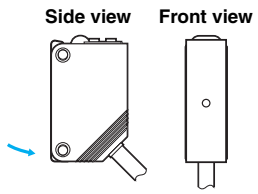


Mounting method

1. Hook the upper protruding portion of the Slit to the upper indented mounting portion of the Sensor and adjust the position of the Slit so that the Slit will be in parallel to the lens side of the Sensor.
2. Press the lower protruding portion of the Slit onto the indented mounting portion of the Sensor until the Slit snaps in.



Mounting condition



Removal method

1. Press the upper portion of the Slit.
2. Disconnect the lower protruding portion of the Slit from the Sensor and remove the Slit.