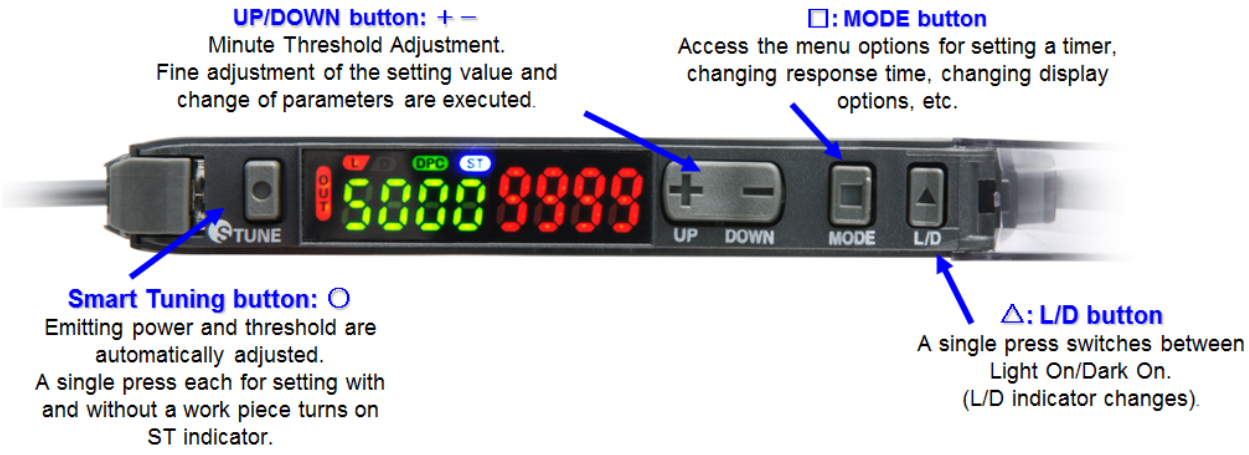
# Omron E3X-HD Fiber Sensor Demonstration




## Maximum Sensitivity Tuning (Single Point Teach)

**STEP 1** Place the target* in front of the fiber (diffuse reflective type).

Hold the **S-Tune** (Sensitivity Setting) Button for 3 seconds.

When **St FULL** is shown on the display, the setting is complete.

**STEP 2** Move the target in and out from in front of the fiber sensor and observe the **OUT** indicator.

**STEP 3** Now change the setting to **Dark-On** operation by quickly pressing the **L/D** button.

What happens to the output?

*Ensure that the target is a different shade than the background or that the target is closer to the sensor than the background.

## Two Point Tuning (Two Point Teach)

**STEP 1** Place the target in front of the fiber.

**STEP 2** Quickly press the **S-Tune** (Sensitivity Setting) Button. The display will show **St 1Pnt**.

Now move the target out of the fiber's view and quickly press the **S-Tune** Button.

**St 2Pnt** will be displayed. When the display returns to numeric values, setting is complete.

**STEP 3** Move the target in and out from in front of the fiber sensor and observe the output.

**STEP 4** Now quickly press the **L/D** button to switch between **Light-On** and **Dark-On**. Observe what happens to the output.