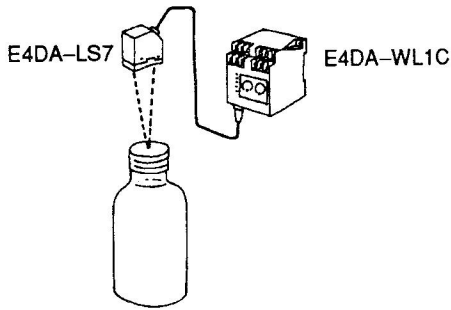


5 Cap Looseness Detection

Uses ultra-sonic detection so cap material, color, etc. have no effect. Gives extremely accurate detection. Since the largest diameter of the detection spot is only 5 mm very small caps can also be detected. The Controller can be set to High, Pass, or Low.

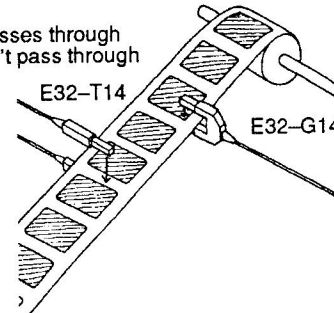


Ultra-sonic Variation Sensor E4DA

6 Label Presence (Labeler)

Since E32-T14 is a side-view type, the space necessary for attachment (as indicated in the diagram) is very little. E32-G14 is a gutter type and does not need light axis adjustment so it can be easily attached.

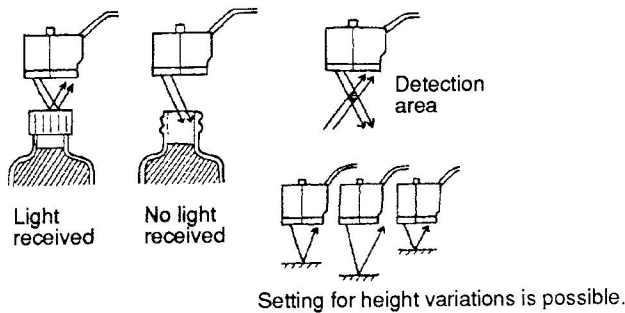
No Label → Light passes through
Label → Light doesn't pass through



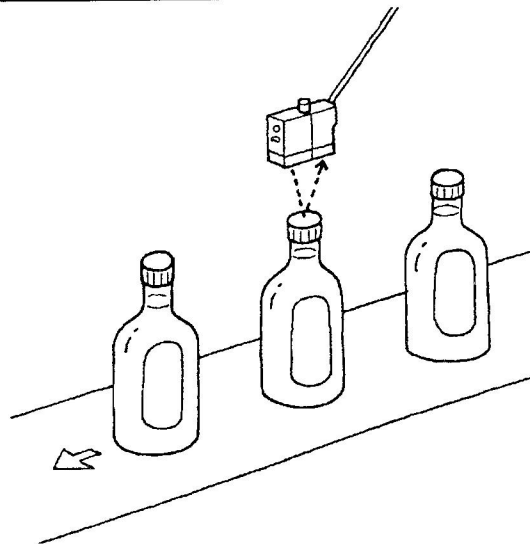
Fiber Optic Photoelectric Switch
E32-T14 (long distance side-view fiber)
E3XR-CE4 (Amp)

7 Cap Presence Detection

This is a distance determined optical sensor so accurate, that stable detection of just the cap can be accomplished. Because the largest diameter of the detection spot is only 5 mm small caps can also be detected.

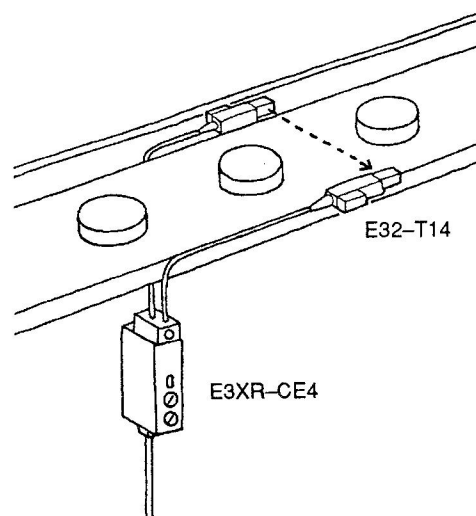


Internal Amp Photoelectric Switch E3S-LS10XE4



8 Object Detection in Narrow Spaces

Space saving construction allows use in extremely narrow places for detection of objects as small as 0.8 mm dia. copper wire. Since it is a side-view type, fibers do not stick out and therefore can not be caught on other moving items. The sensor is water resistant and maybe be washed in water or hydracid.



Fiber Optic Photoelectric Switch
E32-T14 (long distance side-view fiber)
E3XR-CE4 (Amp)