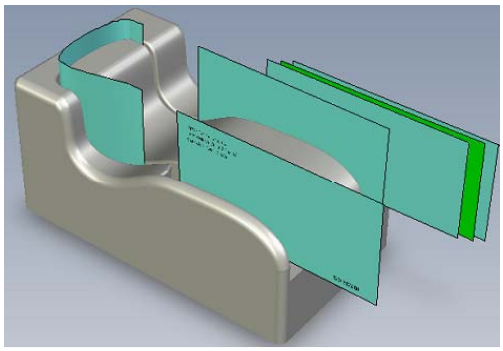
Applications 1 - 2 - 3

TT electronics
OPTEK Technology

Issue Date:
July 2007

SENSORS FOR CHECK SCANNERS

Application

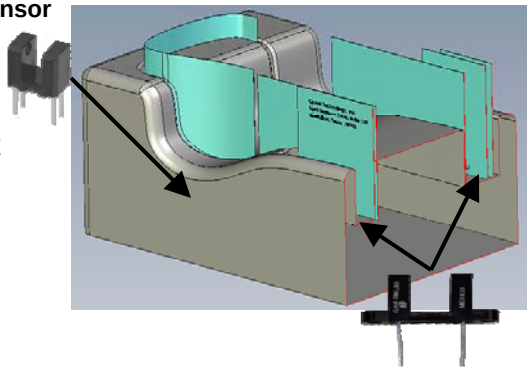


After the Check 21 Act took effect in 2004, paper check recipients can create a digital version of the document, thereby eliminating the need for further handling the physical document. To produce a digital image, check scanners capture both sides of the paper check. The digital image is then available for exchange between business, financial institutions and the Federal Reserve.

Requirements

High demand for check scanners by different institutions require small, low cost, reliable, quiet as well as rapid feeding and scanning speeds. Infrared slotted switches are contactless, low cost and reliable solutions to detect the presence of checks in the feeding pocket. A separate sensor can be utilized to prevent double feed by detecting the difference in transmisivity of two checks, therefore preventing jams. After scanning, a third sensor can be utilized to detect presence of the checks in the exit pocket.

Double-Feed Sensor



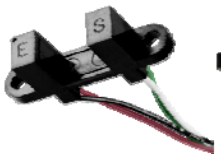
Check Presence sensor

The sensor solutions from OPTEK

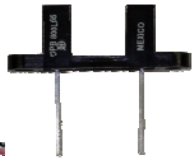
Wide Gap Infrared Slotted Switches

OPB800 Series

- 0.375” wide gap
- Choice of aperture size
- Choice of minimum photocurrent
- Choice of opaque or IR transmissive shells
- Available for PCBoard mounting or with 24” 26 AWG wires



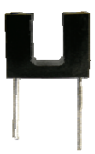
OPB800W



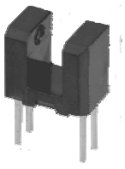
OPB800L

OPB620 and OPB200

- 0.190” and 0.200” wide gap
- Printed circuit board mounting
- Enhanced signal to noise ratio



OPB200 0.200” gap



OPB620 0.190” gap

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OPTEK Technology is a leading provider of custom sensing solutions which incorporate the use of infrared, visible light, magnetic and fiber optic technologies focused on applications in office machines, industrial equipment, encoders, automotive electronics, military and high-reliability applications and medical diagnostic equipment.