Delivery Optic Sensor for Vend Validation

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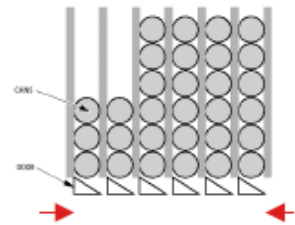
TT Electronics

Application

Delivery Optic sensors utilize infrared technology to detect whether the vended product has dropped, guaranteeing that customers either receive their product, or get their money back. This keeps customers happy and keeps them coming back to your machines!

Requirement

The sensor (or sensors) are positioned to form a light curtain in the path of the vended object as it is released from any one of the stack bins.

If the machine fails to vend, the Optic Sensor(s) detect the failure, and the money is automatically refunded to the patron. The delivery optic sensor can be designed to cover a variety of path widths.

Solution

Custom Solution
· A harnessed, single connector transmissive optic sensor with ambient light rejection
· May apply to all types of vended products
· Distances to 1 meter or as short as 1inch
· Multiple channels can be applied to cover larger path widths without any crosstalk
· Digital output & up to 24 VDC operation for easy design installation or easy retrofits
· Reflective version available soon (OPB720)