

Door Safety Sensor Application

April 2005



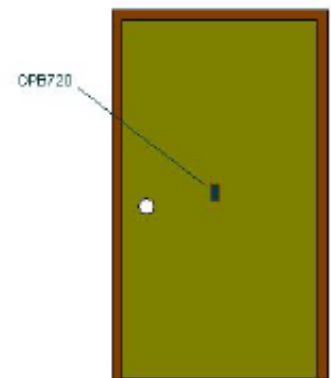
Application

Optic sensors utilize infrared technology to detect when the path is clear beyond a closed door. In cases where an un-windowed door swings out, the sensor is useful in preventing accidents and injury to persons on the other side.



Requirement

The sensor (or sensors) are positioned to detect a person or object within a few feet of the door. The sensor output is connected to a warning light on the opposite side of the door to indicate a danger, or connected to a TTL interfacial security device to control the door movement. It is well suited for the workplace, hospitals, public buildings and retail centers.



Solution

OPB720A Series

- Long range reflective object sensor with ambient light rejection
- Harnessed, 39" lead length with 28 AWG wires
- Three standard detecting distances set at the factory: 6", 12" or 36" with 90% reflective material
- Recognizes objects as small as 0.08"
- Multiple channels can be applied to cover larger path widths without any crosstalk
- Digital output & up to 30 VDC operation for easy design installation or easy retrofits



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

© TT electronics plc

TT Electronics | Optek Technology
1645 Wallace Drive, Suite 130, Carrollton, TX, USA 75006 | Ph: +1 972-323-2300
www.ttelectronics.com | sensors@ttelectronics.com

Issue A 11/2016 Page 1