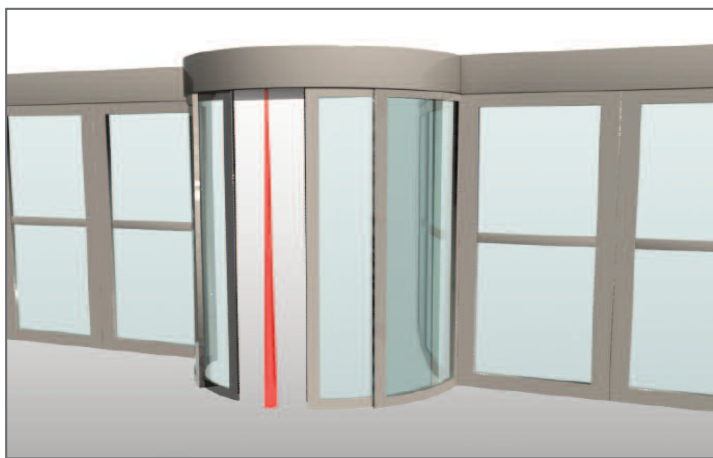


# CG APPLICATIONS

CARLO GAVAZZI



**Application Note:** January 26<sup>th</sup>, 2009

**Market involved :** Doors & Entrance control

**Product :** PD112CNB25BP...

**Customer :** ---

**Subject :** Detecting persons in a pedestrian door

## CUSTOMER ISSUE :

It's necessary to protect persons standing in the middle of a pedestrian door's opening, preventing doors closing on them.

## OUR SOLUTION:

A Photoelectric Background Suppression sensor has been positioned above the door, turning its detection field down to the floor.

This sensor can detect an object of any colour, 15 cm from a white floor at a distance of 2,5 m or 50 cm black floor at a distance of 2,5 m.

Since the background suppression works on triangulation, a slight dirt accumulation can be accepted still providing an accurate detection

## ACHIEVED BENEFITS:

- The sensor can detect persons in the doorway avoiding accidents and providing the needed safety.
- The built-in test input is used to supervise the sensor functions.

