

CG APPLICATIONS

CARLO GAVAZZI



Application Note: October 2009

Market involved : Doors & Entrances

Product : BFD40E250I

Customer : Industrial doors manufacturers

Subject : Object detecting in industrial doors .

CUSTOMER ISSUE :

Industrial doors manufacturers are looking for alternative solutions to the photo eye and safety edges - used to prevent collision between a closing door and people or objects in the operating area of the door.

OUR SOLUTION:

To supply a light curtain to be mounted in the guide tracks of the industrial doors.

The sequential blanking algorithm ensures that the system can distinguish between the closing door and an object - by ignoring the beams that are interrupted by the moving door - whilst leaving the remaining beams active to detect an object in the protection area.

ACHIEVED BENEFITS:

- The whole door height is protected (up to 2.5 m).
- Contactless recognition of object
- Less maintenance and greater durability than safety edge.

