

VITECTOR

FRABA

SAFETY SENSORS FOR DOORS AND GATES



www.vitector.com

SAFETY SYSTEMS



Safety Sensors

The safety sensors from VITECTOR form the heart of its safety solutions. A pair of optical transmitter and receiver sensors create an opto-electronic dynamic safety signal. Each sensor PCB is water-tight sealed with polyurethane resin rendering it completely unaffected by dust or moisture.

Optical Sensing Edge

OPTOEDGE safety edges consist of the standard sensors plugged into the hollow chamber of a rubber profile. Inside they form an infrared-light barrier and as soon as the edge hits an obstacle, the chamber collapses and light communication is disrupted. This is recognized by the door control and the door is stopped.

Manufacturing the edge is as easy as measuring, and cutting the rubber and afterwards plugging in the sensors.



Optical edges are distinguished by their high reliability and resistance to mechanical influences. These edges are in full function, even if the rubber profile is ripped. Intelligent self-adjusting light intensity means the edge is similarly sensitive at all door widths.

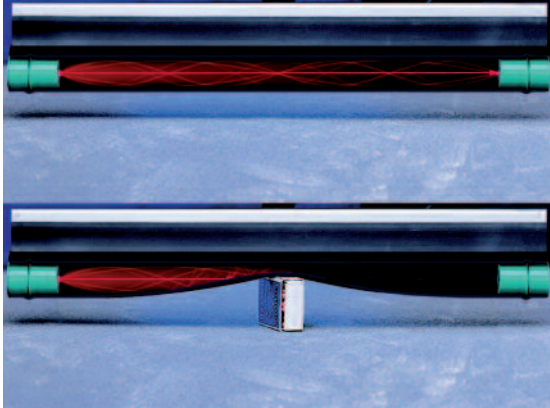
Optical Photo Eye

The same exact sensors as for the edges are used in the OPTOEYE. Instead, they are inserted into flexible rubber adapters, which are mounted next to the door opening. Assembly can be done without tools and LEDs ease installation by indicating alignment and power of the sensors.

The OPTOEYE is especially designed to withstand the rough conditions of commercial and industrial applications and its flexible design makes it highly resistant to impacts and other mechanical influences.

Interface	Dynamic 2-wire (Photo Eye IR interface)
Environmental protection	NEMA 6 Rating (comparable to IP68)
Temperature Range	- 13 °F ... + 167 °F
Compliance	UL325 – 2010
Color of the Sealing Compound	Transmitter: grey Receiver: black

SAFETY SYSTEMS



OPTOEDGE (OSE)

- UL325 Recognized Sensing Edge
- No lead time; no custom length ordering
- Smart logistics – compilation of components
- Easy assembly, without adhesives
- High mechanical stability
- High resistance to environmental influences
- Simultaneously acts as a weatherseal
- Maintenance free
- Patented



OPTOEYE (OPE)

- UL325 Recognized Photo Eye
- Smart logistics – compilation of components
- Visible LEDs indicate Power and Alignment
- Tough material to withstand commercial and industrial settings
- Flexible design withstands mechanical impacts
- High resistance to environmental influences
- Height adjustable with supplied wingnut

Maximum Length	30 feet
Material	EPDM Rubber Extrusion
Profiles Available	Rolling Door Sectional Door

Maximum Range	45 feet
Material	Thermoplastic Elastomer Molding
Environmental Protection	NEMA 4 Rating

VITECTOR

FRABA

COMPANY



The VITECTOR brand is a FRABA Group company, which emerged from Franz Baumgartner Fabrik elektr. Apparate GmbH.

History

Franz Baumgartner founded his company in 1918. When he retired in 1968 he employed over 400 people and FRABA was a recognized innovation leader in relays and control systems for industrial applications. In 1994 a young team took over and reignited the spirit of dynamic innovation. Since that time there has been continual growth in market share and world-wide customer base.

Market

With functionality and efficiency through innovative designs and excellent service, FRABA Group companies have achieved market lead-



ing positions in technically demanding niches of industrial automation markets in Europe, North America and Asia.

Structure

FRABA Group companies are completely independent with their own R&D, manufacturing, and marketing resources. They have become separate legal entities. All shares are owned by the FRABA AG holding company.

System

Common guiding principles that translate into explicit R&D, manufacturing, marketing and personnel development principles in combination with the FRABA employee stock ownership plan are the basis for a comprehensive common leadership system.

www.vitector.com

FRABA Inc.
1800 East State Street, Suite 148
Hamilton, NJ 08609, USA
T +1 609 750-8705,
F +1 609 750-8703
info@vitector.com