ABSOLUTE SENSING SOLUTIONS FROM PEPPERL+FUCHS

When precision, safety, and reliability are vital, Pepperl+Fuchs is the only sensor supplier you’ll ever need

Doors, gates, and elevators rely on robust sensing technologies to optimize performance and safety. Sensor intelligence allows detection of direction and differentiation between people and vehicles. Pepperl+Fuchs’ various technologies provide absolute positioning, protection against pinch points, presence sensing, as well as collision avoidance. Our large and diverse selection of sensing technologies provides solutions to meet all of your Door, Gate and Elevator sensing needs. Visit us at www.sensing.net/dge1

GATES

Pepperl+Fuchs’ gate control

Gate Protection
- Detects irregular vehicle surfaces
- Long range with no reflector required
- Detects vehicle presence
- Prevents gate collision

Inductive Loop Control
- Inductive loop and controller detect vehicle presence
- Automatic compensation for changes in temperature or humidity
- Fault indication for loop break or short circuit

- Vehicle Detection
- Inductive Loop Control
- Threshold Protection
- Approach Sensing
- Collision Avoidance
- Pinch Point Monitoring
- Laser Distance Measurement
- Absolute Positioning
- Floor Zone—Vane Detection
- Light Grid Protection
- Door Monitoring

DOORS

ELEVATORS
Threshold Protection
- Retro-reflective photoeye
- Polarization filter reliably detects shiny objects
- Cost-effective
- AC/DC with relay output
- High signal strength

Pedestrian Doors
- Approach & threshold sensing in one sensor
- Complies with ANSI standard
- Cross traffic immunity

Approach Sensing
- Up to 20 configurable sensing patterns
- Sharply defined sensing field
- Economical

Threshold Monitoring
- Wide beam angle
- Tamper-proof
- Cost-effective

Collision Avoidance
- Modular design allows beam positioning
- Two sensing modes provide optimal coverage

Pinch Point Protection
- Small light beam monitors pinch point
- Insensitive to target color

Industrial Doors
- Microwave motion sensing with adjustable sensitivity
- Remote control programmability
- Differentiates between pedestrians & vehicles
- Direction detection
- Suitable for very high doors

Pedestrian Doors
- Approach & threshold sensing in one sensor
- Complies with ANSI standard
- Cross traffic immunity

Approach Sensing
- Up to 20 configurable sensing patterns
- Sharply defined sensing field
- Economical

Threshold Monitoring
- Wide beam angle
- Tamper-proof
- Cost-effective

Collision Avoidance
- Modular design allows beam positioning
- Two sensing modes provide optimal coverage

Pedestrian Doors
- Approach & threshold sensing in one sensor
- Complies with ANSI standard
- Cross traffic immunity

Pinch Point Protection
- Small light beam monitors pinch point
- Insensitive to target color

When safety counts, choose Pepperl+Fuchs
DOOR POSITION DETECTION

Inductive Sensors
- Variety of housing styles
- Monitors door open/closed

Light Grid
- Triple beam crisscrossing maintained at door closing
- Ultra low profile
- Up to 7-beam crisscrossing for optimal resolution
- Extremely high ambient light resistance
- No separate controller needed
- Quick disconnect, high flexibility cable

Retro-reflective Photoeye
- Polarization filter reliably detects shiny objects
- AC/DC supply
- Reflectors allow single-side wiring
- Cost-effective

DOOR PROTECTION

Laser Distance Measurement
- Absolute position
- Built-in visible red laser for alignment
- No rope slip or stretch error

ABSOLUTE LINEAR POSITIONING
- Absolute position-no reference points or calibration even after power loss
- Fraction-of-a-millimeter resolution
- No bushings or couplings, contact free and wear free operation
- Accuracy unaffected by rope stretch or slip

FLOOR ZONE—VANE DETECTION

Slot Sensors
- Very accurate
- Compact housing
- High light immunity

MORE P+F SENSOR APPLICATIONS

ESCALATORS
- Approach Startup
- Handrail-to-stairs Synchronization
- Slip Monitoring
- Rotation Direction Monitoring
- AS-Interface

MOVING WALKWAYS
- End of Walkway Alert
- Handrail-to-walkway Synchronization
- Slip Monitoring
- Rotation Direction Monitoring
- AS-Interface

ELEVATORS
For absolute positioning, choose Pepperl+Fuchs

CAB POSITION DETECTION

Rotary Encoders
- Absolute & incremental position
- High resolution
- Easy installation

Laser Distance Measurement
- Absolute position
- Built-in visible red laser for alignment
- No rope slip or stretch error

Absolute Linear Positioning
- Absolute position-no reference points or calibration even after power loss
- Fraction-of-a-millimeter resolution
- No bushings or couplings, contact free and wear free operation
- Accuracy unaffected by rope stretch or slip
Photoelectric Sensors

Inductive Sensors

Microwave Sensors

Rotary Encoders

Absolute Linear Positioning

Inductive Loop Controller

Pepperl+Fuchs—your sensing supplier for doors, gates, and elevators
Visit us at www.sensing.net/dge1

Contact
Pepperl+Fuchs Inc.
1600 Enterprise Parkway
Twinsburg, Ohio 44087 · USA
Tel. +1 330 486-0001 · Fax +1 330 405-4710
E-mail: fa-info@us.pepperl-fuchs.com

Worldwide Headquarters
Pepperl+Fuchs GmbH · Mannheim · Germany
E-mail: fa-info@de.pepperl-fuchs.com

USA Headquarters
Pepperl+Fuchs Inc. · Twinsburg · USA
E-mail: fa-info@us.pepperl-fuchs.com

Asia Pacific Headquarters
Pepperl+Fuchs Pte Ltd · Singapore
Company Registration no. 199003130E
E-mail: fa-info@sg.pepperl-fuchs.com

www.pepperl-fuchs.com

Subject to modifications · © 2008 PEPPERL+FUCHS, INC. · Printed in USA · Part No. 910019 02/08 01