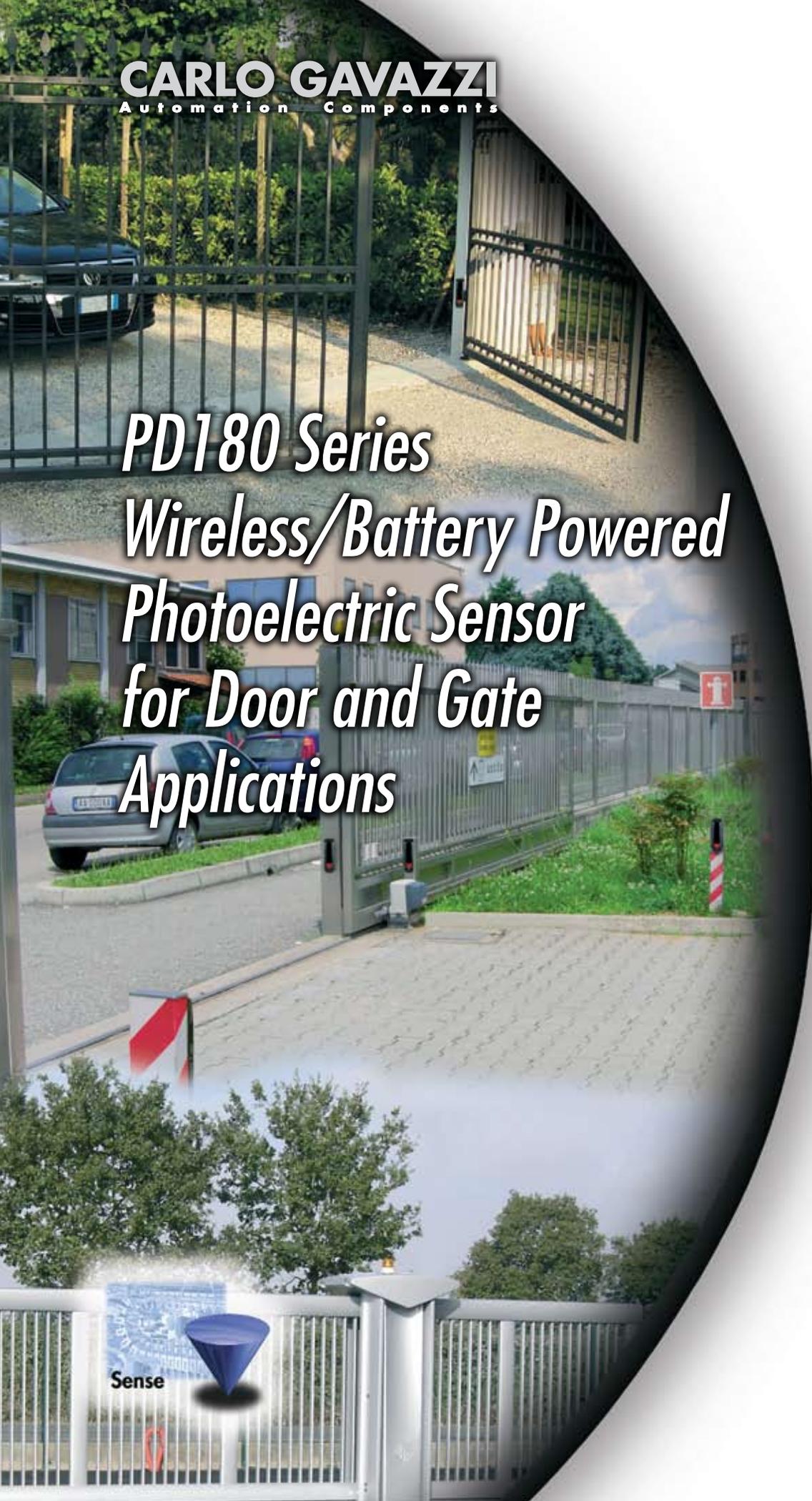


***PD180 Series
Wireless/Battery Powered
Photoelectric Sensor
for Door and Gate
Applications***





PD180 Series: Wireless / Battery Powered Heavy Duty Photoelectric Sensors

The PD180 sensors are developed for the door and gate market. These sensors fulfill the latest standards for doors and gates in Europe and North America. The robust polycarbonate housing allows flexible installation as the lenses are adjustable both in horizontal and vertical directions.



Application Durability



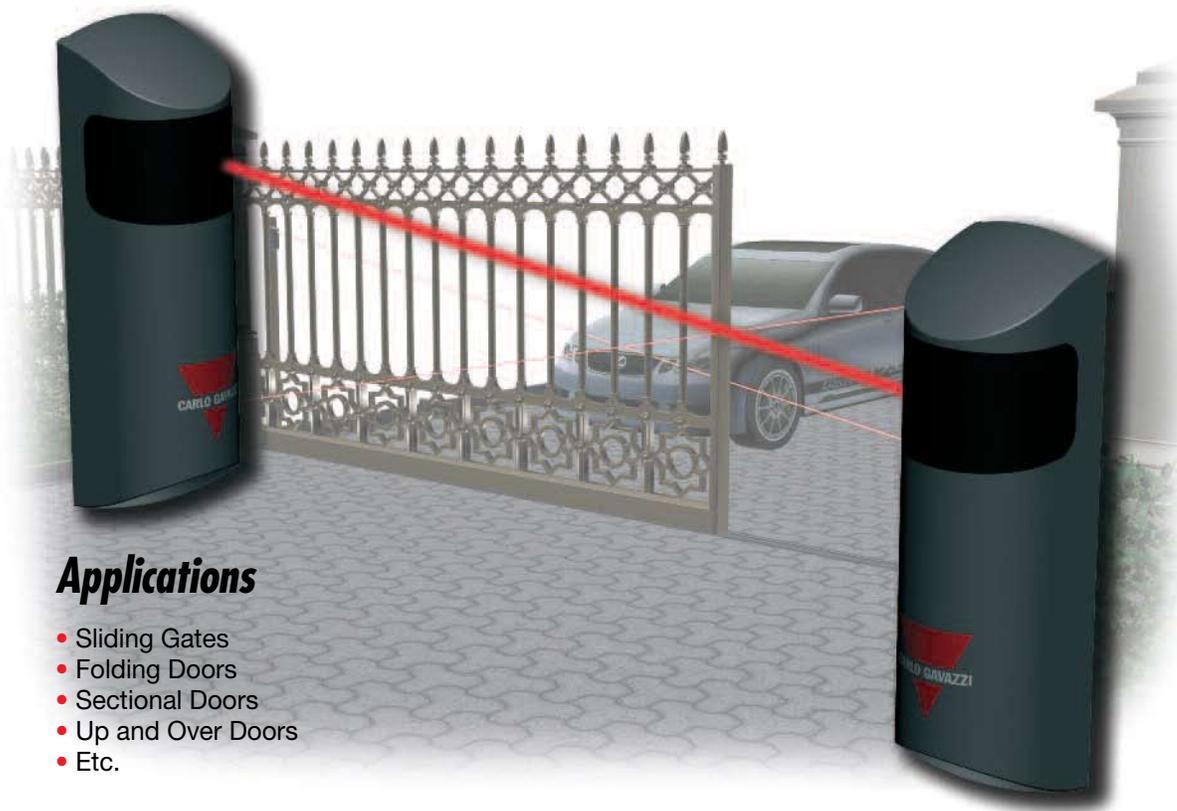
User Friendly



Diagnostic Warning



For Harsh Environments



Applications

- Sliding Gates
- Folding Doors
- Sectional Doors
- Up and Over Doors
- Etc.

Diagnostic Warning

Increased safety by the built-in Sensor Test Function designed to switch off the emitter when the door or gate is fully closed.

This feature has two functions:

- The door controller can verify the sensor functions.
- The battery lifetime is increased. An output on the receiver warns the user of a low battery status.

Application Durability

The PD180 is designed for rugged applications in both commercial and industrial door and gate installations.

User-Friendly

The PD180 sensor is easy to install thanks to the battery supply that eliminates the need of cabling to the emitter.

The emitter and receiver lenses can be adjusted 200° horizontal and ±30° vertical which makes mechanical alignment easy. The aspherical lens design is superior to previous sensor designs with built-in parabolic reflectors, thus eliminating corrosion and dust problems.

Harsh Environments

The sensor is constructed in a stylish and robust polycarbonate housing, which protects against mechanical impact as well as splashing water and rain (IP54).

Approvals

The sensors are designed according to the European and North American door standards EN12445, EN12453, EN12978 and UL325.

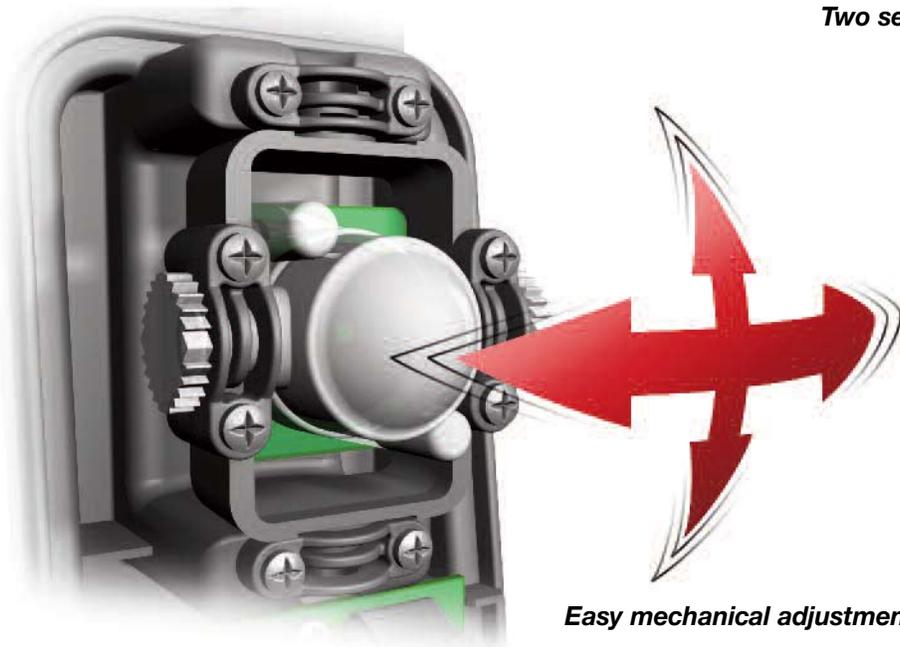


Benefits

- Fulfills the door safety standards (UL325 and ESPE Type 2)
- Easy mechanical adjustment, no tools needed
Horizontal 200°
Vertical $\pm 30^\circ$
- Robust polycarbonate housing
- Long battery life of up to 2.5 years, resulting in low maintenance costs and increased customer satisfaction
- Protection against splashing water (IP54)
- Mute input
- Stylish design
- Screw terminal and cable connection
- Two selectable cable outlets, which provide diverse mounting flexibility in a single product



Two selectable cable entry points



Easy mechanical adjustment

Specifications

- $\pm 5^\circ$ optical sensing angle
- Power supply 12-24 VAC/DC (Receiver)
- Power supply 2 x 3.6 VDC Lithium Battery (Emitter)
2.5 year lifetime with 15 meter (50 feet) setting
1.5 year lifetime with 30 meter (100 feet) setting
- SPDT relay output 1A resistant load, for detection
- SPDT relay output 1A resistant load, for low battery
- Long 30 meter range (100 feet)

Part Numbers

PD180CBT30Q Receiver

PD180CBT30MU Emitter



The Complete Product Package



Inductive Proximity Sensors
 Tripleshield™ Capacitive Sensors
 Photoelectric Sensors
 Inductive Loop Detectors
 Ultrasonic Sensors
 Radar Sensors
 Level Sensors
 Limit Switches
 Magnetic Switches



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PD180 Brochure 08/09

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