



PD140 Series - Photoelectric sensors

Sensors

PD140 Series

Heavy duty sensor

The PD140 consists of an emitter and a receiver.

The sensor is developed for door or gate and can work over a distance up to 60 metres.

When the invisible infrared beam between the emitter and receiver detects a car or a person, the PD140 will prevent the door or gate from moving.

The sensor is encapsulated in a robust aluminium/polycarbonate housing. PD140 is highly protected against harsh outdoor conditions and vandalism. The IP65 certification of the PD140 gives a high protection against dust and splashing water.

The lenses are adjustable in both $\pm 100^\circ$ horizontal and $\pm 15^\circ$ vertical directions, which allows flexible mounting. The alignment of PD140 can be done easily and quickly with the green laser tool.

The PD140 sensor is compliant with the European and North American door standards.



Specifically designed for doors and gates

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. The test function is to be controlled and monitored by the door controller.

Application durability

The PD140 are designed for industrial door or gate widths up to 60 m.

User-friendly

The emitter and receiver lenses can be adjusted $\pm 100^\circ$ horizontally and $\pm 15^\circ$ vertically.

The aspherical lens design gives a homogeneous light beam over the total beam angle.

3 different possibilities of adjustment

- With voltmeter
- With blinking LEDs
- With laser tool

Harsh environments

The sensor is encapsulated in a robust vandal-proof aluminium/polycarbonate housing, which protects against dust, mechanical impact as well as splashing water (IP65).

Item numbers

Receiver and emitter **PD140FNT60QMU-02C**
Laser alignment tool **APD140-LA01**
APD140-LA02 (without batteries)
Alignment test cable **APD140-TC01**

Approvals

The sensors are designed according to the European and North American door standards EN12453, EN12978, UL508 and UL325.



Benefits

- Fulfills the door safety standards (ESPE type 2), Performance level C
- Easy mechanical adjustment by hand or with the help of an external green laser accessory alignment tool, (must be purchased separately).
 - Horizontal $\pm 100^\circ$
 - Vertical $\pm 15^\circ$
- Robust vandal-proof aluminium/polycarbonate housing
- High-quality lens
- Protection against dust and splashing water (IP65)
- Mute input
- Stylish design
- Screw terminal and cable connection
- Two selectable cable outlets



Easy mechanical horizontal adjustment

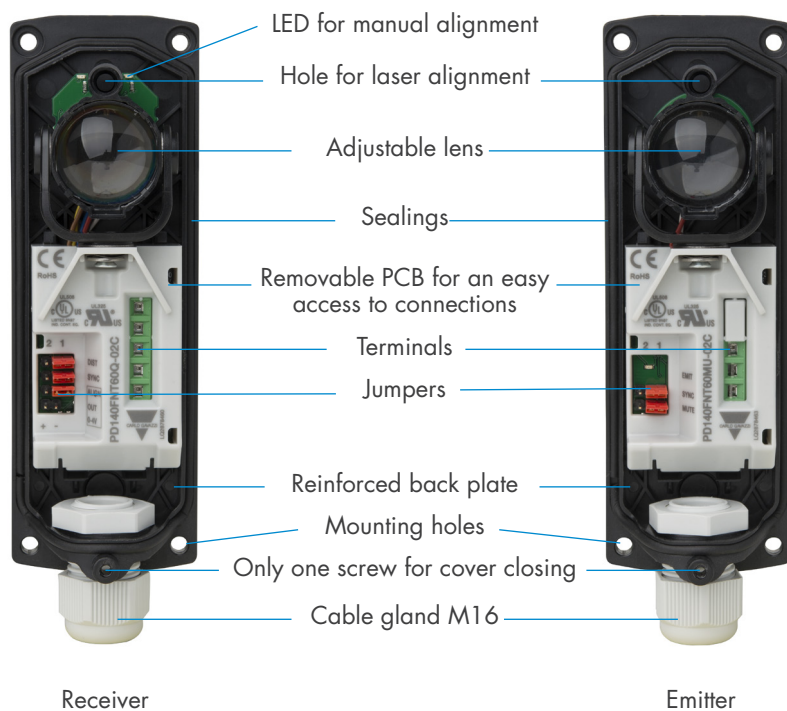


Easy mechanical vertical adjustment



External green laser accessory alignment tool

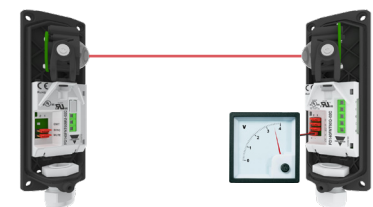
Structure



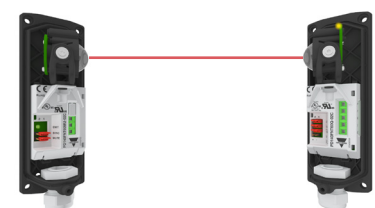
Alignment



Alignment by laser



Alignment by voltage



Alignment by blinking LED

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