



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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PD140 Series - Photoelectric sensors

Sensors

PD140 Series

Heavy duty sensor

The PD140 consists of an emitter and a receiver.

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

When the invisible infrared beam between the emitter and receiver detect a car or a person the PD140 preventing the door or gate to move.

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 for 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 easy and quick 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 $\pm 100^\circ$ horizontal and $\pm 15^\circ$ vertical.

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
Laser alignment tool
Alignment test cable

PD140FNT60QMU-02C
APD140-LA01
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 help of an external green laser accessory alignment tool, (has to 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

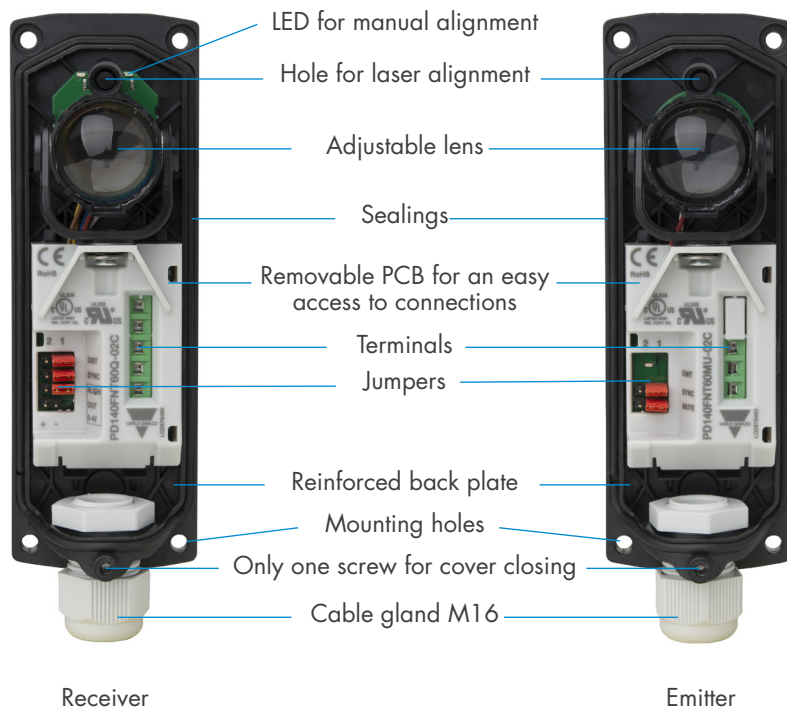


Easy mechanical Vertical adjustment

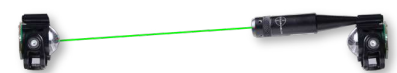


External green laser accessory alignment tool

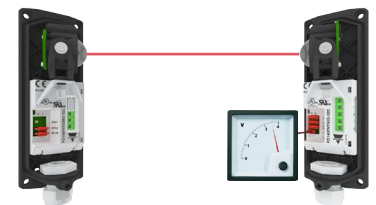
Structure



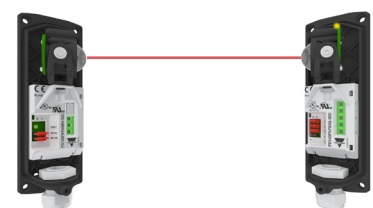
Alignment



Alignment by laser



Alignment by voltage



Alignment by blinking LED

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