

## Press Release

### **PD86 SENSOR SERIES TO ENSURE SAFE AND RELIABLE DETECTION FOR INDUSTRIAL DOOR INSTALLATION**

The new PD86xAP12.. is a stylish and versatile polarized retro-reflective sensor for safe detection even of shiny objects.

Lainate, May 2018 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, presents the new PD86xAP12.. sensor, specifically designed for industrial doors.

This photoelectric sensor has been developed from the PMP12 sensor series, whose very solid value has been proven by over 1 million pieces sold in the doors market.

Its long sensing distance of 12 m and the 80 mm-diameter reflector ensure a large operational margin even when installed in dusty environment or when exposed to harsh conditions.

The PD86 new design includes a protective cover made of ZAMAK5 or polycarbonate and a watertight construction with no visible screws, so as to avoid acts of vandalism and corrosion, which could cause a decrease in sensing distance.

“One of the main features of this sensor is its easy alignment by means of a single screw for horizontal and one for vertical adjustment of the PCB inside the housing, making this product highly flexible and adaptable to any installation,” Torben Rochat, International Product Manager, says. “We believe that the launch of this new device will allow us to strengthen our position in the market dedicated to doors, fulfilling the ever-growing requirements for a modern and friendly design for industrial doors.”

Developed in our Competence center in Denmark, the PD86 is used to detect the presence of people and/or vehicles in Industrial Door applications.

#### **Main technical features**

- 12-24 V AC/DC power supply
- Detection angle +/- 1.5 degrees
- Horizontal and vertical alignment of +/- 4.5 degrees
- Cable exit on the back or through an opening in the ZAMAK or polycarbonate housing
- Proven immunity against foreign light
- SPST relay output
- Strong housing in Basalt Grey ZAMAK or polycarbonate, front-glass in Red- PMMA
- Fixed or detachable screw terminals
- Dipswitch for inverting the relay
- Dipswitch for setting the test input to a normally high or normally low position.
- Two leds, yellow for output on and the green LED for power and dirty lens or misalignment indication
- -25° to +60 °C
- UL325 and UL508 approved
- Compliant with EN12445, EN12453 and EN12978 regulations, ESPE cat. 2, PL. C
- High immunity against water IP66

#### **ABOUT CARLO GAVAZZI AUTOMATION**

Carlo Gavazzi Automation is an international electronics group with activities in the design, manufacture and marketing of electronic equipment targeted at the global markets of industrial and building automation.

Carlo Gavazzi Automation provides customers with technologically innovative, high quality and competitive solutions, in compliance with their requirements and expectations through its 22 National Sales Companies in Europe, the Americas and Asia & Pacific, operating with its production sites in Denmark, Italy, Malta, Lithuania and China.

#### **For further information:**

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