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Long Range Diffuse Photoelectric Sensor with Background Suppression



August 21, 2009 - Buffalo Grove, IL and Mississauga, ON - Carlo Gavazzi launches a new long range diffuse photoelectric sensor with background suppression technology. The new PD112 will detect black objects at distances up to 2 meters, and white and grey objects at up to 2.5 meters. Using triangulation technology, the PD112 can be easily and precisely adjusted, with a 28 turn potentiometer. The user can fine tune the sensor to detect the target at the desired distance, while completely ignoring reflective objects only millimeters beyond.

The PD112 is packed with features that make it simple to use, and highly versatile. Each model has both NPN and PNP output, which is automatically detected by the sensor when wired. Normally open or normally closed output can be selected via a dip switch. Two adjustable timers (1 - 16 seconds) for ON and OFF delay allow for a customized solution.

A truly innovative feature of the PD112 is the mode operation selection. The sensor can be operated in a traditional industrial mode, which is ideal for applications such as material handling, packaging and wrapping, and wood processing. By making a simple dip switch selection, the PD112 can also be operated in a door mode, which automatically optimizes the performance of the sensor for detecting people and objects around automatic doors. This mode allows the sensor to be remotely tested by a door controller, making the sensor compliant with door industry safety standards.

The PD112 is available with a cable or M12 plug. It carries both UL and CE approvals, giving assurance of a high quality and safe product. It is available from Carlo Gavazzi's North American network of sales offices / distributors or www.GavazziOnline.com.

Any questions regarding this press release should be directed to: info@carlogavazzi.com