

## Press Release

### THE NEW LD SERIES OF LOOP DETECTORS

Reliable vehicle detection with many new features for easy installation and diagnostics.

Lainate, January 2019 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today presents its new plug-in single and dual loop detectors.

The new LD series of loop detectors provides reliable and accurate vehicle detection and it is designed specifically to ensure ease of installation.

The automatic frequency tuning and sensitivity adjustment features enable easy installation. Thanks to the Automatic Sensitivity Boost advanced function (ASB), the loop detector will automatically boost the sensitivity to detect high-bed vehicles accurately.

In the past, it has always been a critical shortcoming in many loop detectors to be unable to provide indications of the state of the loop to the installer for easy troubleshooting. Now, via the multicolour LED diagnostic features, the new loop detector clearly indicates the loop status, such as cross talk, short circuit, open circuit and inductance out of range, thus ensuring easy troubleshooting.

“The new LD series comes with two SPDT outputs that can be independently configured to operate in pulse or presence mode, with adjustable pulse and presence duration. The dual loop version can also detect the vehicle direction,” says Aldo Caputo – International Product Manager. “The wide power supply range, from 24 to 240 VAC/VDC, together with many other features, contributes to make the new loop detector the state of the art solution for reliable and universal vehicle detection.”

Developed by our competence centre in Denmark, the LD loop detector is the ideal device to be used in car parks, drive through and car access control applications to control barriers, gates, bollards and car access equipment.

#### Main technical features

- Wide loop input inductance range: 20  $\mu$ H to 1000  $\mu$ H
- Adjustable sensitivity via potentiometer in 10 steps: from 0.01% to 1.00%
- Automatic or manual loop frequency tuning
- 4 adjustable loop frequency channels to avoid cross talk
- Automatic Sensitivity Boost (ASB) for high-bed vehicle detection
- Selectable fail safe and fail secure mode in the event of power loss
- 2 x SPDT outputs independently selectable in pulse or presence mode
- Multicolour LED indication for easy setup and intuitive diagnostics
- Directional logic in dual loop for vehicle direction detection
- Wide range power supply: 24-240 VAC/VDC
- Connection type: 11 pin circular plug-in

#### 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:

Carlo Gavazzi Automation SpA - Via Milano 13 – 20020 Lainate (MI) - Italy  
Marketing and Communication - [info@gavazziautomation.com](mailto:info@gavazziautomation.com) - [www.gavazziautomation.com](http://www.gavazziautomation.com)