



FOR IMMEDIATE RELEASE:

**New 4th Generation
TRIPLESHIELD™
Capacitive Sensors**



March 19, 2015 - Buffalo Grove, IL – CARLO GAVAZZI is proud to announce the launch of their new 4th Generation **TRIPLESHIELD™ CA18CA Capacitive Proximity Sensors**. In addition to greatly improved immunity to dust, humidity, and electromagnetic interference (EMI), the **CA18CA Series** includes diagnostic alarms and two LEDs for better reliability and simplified troubleshooting during installation.

The Carlo Gavazzi **TRIPLESHIELD™** design, now in its 4th generation, continues a tradition of providing the best EMI immunity of any capacitive sensor on the market. In addition to improved compensation for dust and humidity, an optional **Dust Alarm Output** gives an early warning of accumulation on the face of the sensor. The **CA18CA Series** is designed for harsh environments, providing IP67 and IP69K protection, ECOLAB approval for chemical resistance, and the sensing face can withstand up to 248°F (120°C). An optional **Temperature Alarm Output** warns the user if the sensing face surface exceeds 140°F (60°C).

The new **CA18CA Series Capacitive Proximity Sensors** are available in a vast range of configurations, and are ideal in a variety of applications and industries, including: plastics, agriculture, pellet burning stoves, packaging, material handling, and food and beverage. Technical specifications include:

- Sensing distance: 2-10mm flush or 3-15mm non-flush
- 10-40VDC, NO & NC, NPN or PNP, 200mA transistor outputs
- IP67, IP69K; NEMA 1, 2, 4, 4X, 5, 6, 6P, 12
- Laser engraved labeling withstands IP69K cleaning
- Dust and humidity compensation
- Increased temperature stability
- Optional Dust Alarm or Temperature Alarm output
- Two diagnostic LEDs (green and yellow)

TRIPLESHIELD™ - Exceeds most standard norms:

- Electrostatic discharge (EN61000-4-2) >40kV
- Electrical burst transients (EN61000-4-4) ±4kV
- Surge (with 500 Ω) (EN61000-4-5) >2kV
- Wire conducted disturbance (EN61000-4-6) >20Vrms
- Power-frequency magnetic fields (EN61000-4-8)
 - ✓ Continuous, 75.9µTesla..... >60A/m
 - ✓ Short-time, 759µTesla..... >600A/m
- Radiated, RF, E-M fields (EN61000-4-3) >20V/m

The **CA18CA TRIPLESHIELD™ Sensors** are cULus and ECOLAB approved, and available from Carlo Gavazzi's North American network of sales offices and distributors, or at www.GavazziOnline.com.

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

CARLO GAVAZZI Inc., 750 Hastings Lane, Buffalo Grove, IL 60089

Phone: 847.465.6100 Fax: 800.222.2659 Email: Sales@CarloGavazzi.com,

CARLO GAVAZZI (Canada) Inc., 2660 Meadowvale Blvd., Mississauga, ON L5N 6M6

Phone: 888.575.2275 Fax: 905.542.2248 Email: Gavazzi@CarloGavazzi.com

CARLO GAVAZZI Mexico S.A. de C.V., Calle La Montaña no. 18, Fracc. Los Pastores, Naucalpan de Juárez, EDOMEX CP 53340

Phone/Fax: 55.5373.7042 Email: MexicoSales@CarloGavazzi.com