

**FOR IMMEDIATE RELEASE:**

# Proportional Solid State Controllers



October 25, 2013 - Buffalo Grove, IL - CARLO GAVAZZI Inc. is proud to announce its new generation of proportional output 3-phase controllers, the **RGC2P and RGC3P Series**. This series covers 3-phase solid state switching controllers that deliver output power in proportion to the control input voltage or current as well as external potentiometer. The **RGC2P Series** consists of a 3-phase, 2-pole switching device which offers an economical means of switching, because it only switches L1 and L3. The **RGC3P Series** consists of 3-phase, 3-pole switching devices. Various switching modes are available to cater for different application needs, such as phase angle switching for light dimming; full cycle switching for precise temperature control and a soft starting version that prevents high inrush currents associated with loads with high cold/hot resistance ratio.

The **RGC2P and RGC3P Series** are available in two frame sizes: 54mm or 70mm wide. **RGC2P**, the 2-pole switching device, offers four current ratings of 15, 25, 40 and 75AAC per pole. While **RGC3P**, the 3-pole switching device, offers three current ratings of 20, 30 and 65Amps per pole. The optional monitoring feature offers the possibility of detecting the status of mains and load, as well as for internal controller failures: open or short circuit and overheating. Alarming is implemented with an LED indication and a relay output.

The **RGC2P and RGC3P Proportional Output Controllers** are the latest addition to the zero switching family of single and three phase **RGC Solid State Relays and Contactors** and mainly target the Food and Beverage, HVAC, Packaging/Wrapping, Printing, and Plastics markets.

Main technical features include:

- 3-phase solid state switching devices
- Proportional output controller
- Multi-voltage range: 180-660VAC
- Operational current up to 75A (RGC2P) & 65A (RGC3P)
- Amperage ratings based on 40°C
- Optional system monitoring
- UL listed, 100kA UL508, and CE
- Available proportional inputs:
  - ✓ 0-20mA, 4-20mA, 12-20mA
  - ✓ 0-10VDC, 0-5VDC, 1-5VDC
  - ✓ External potentiometer
- Available output types:
  - ✓ Phase angle and distributed full cycle switching
  - ✓ Soft starting

The **RGC2P and RGC3P Proportional Output Controllers** are available from CARLO GAVAZZI's North American network of sales offices and distributors, or at [www.GavazziOnline.com](http://www.GavazziOnline.com).

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