

## **Engineering Bulletin: FGI 100/201/202, IGN 11/12/14 Burner Controls**

(25 October 2007)

Dear Customers,

Titan Logix has issued a statement (posted at [www.titanlogix.com](http://www.titanlogix.com)) alerting customers to a concern with the FGI 100, 201, 202 burner controls that could have an impact on the operation of customer's heaters. The concern arose as a result of an incident where a valve for the "main" burner failed to close causing a gas build-up which ignited when the ignition spark engaged. Factory analysis of the returned FGI 100 unit revealed a component on the circuit board had failed. Titan Logix immediately responded to this concern by launching an investigation into the cause of this incident and by ceasing the manufacturing and sales of FGI 100, FGI 201, FGI 202 & IGN 11, IGN12, IGN14 burner control modules.

Our investigation has found there is no conclusive explanation of the cause of the component failure. Analysis revealed it could be due to component age (the FGI 100 referred to above was installed approximately 10 years ago), static electricity discharge (i.e. due to lightning strikes, improper handling procedures, etc), installation/site specific problems, or a failure in other company's components that are tied into the FGI 100 at site (i.e. feedback signals). Further investigation revealed this is the only known such incident in the several thousand installations of FGI 100, 201, 202; IGN 11, 12 and 14 burner control modules. The likelihood of another incident occurring is unknown; therefore, Titan Logix has decided to stop the sale of these products. We will continue to support the FGI 100, 201, 202 & IGN 11, 12, 14 burner control modules that are currently in the field, however, Titan will no longer produce these products for new installations.

Titan Logix will continue supporting the combustion safety control needs of it's customers with the new FGI 351 Burner Management System. The FGI 351 is an enhanced version of the FGI 301 (the FGI 301 was released for sale in July 2004 and has since been discontinued with the introduction of the FGI 351). It is certified to CSA C22.2 #199, therefore complying with the requirements of the B149.3 Code, and as such includes modern design features not found in the FGI 100, 201, 202 burner controls. Improvements include redundant output controls and feedback to ensure the device is functioning correctly.

Titan is designing a field retrofit for the FGI 100, 201 and 202 units installed at existing Customer locations. This is intended to address safety issues if there is a component failure. The retrofit will increase the safety and reliability of the FGI 100, 201, 202 but it will not be certified to the C22.2 #199 standard. Customers who want a B149.3 compliant burner control/burner management system will need to upgrade to a system that has C22.2 #199 approval.

Customers who have questions about continued use of their current products should call our Product Support department at (877) 462-4085. For system upgrades please call our Inside Sales department at (877) 462-4085.

Titan Logix has developed FGI systems for our customers for many years and looks forward to continuing to provide the leading burner management system for Atmospheric Burners. Thank you for your continued support.

Sincerely,



Greg McGillis, PEng, EE  
Vice-President, Business and Product Development