



## Product Alert

January 12, 2015

### **Type of Notification: Safety Concern for Class I, Division 1, Group C&D Installation**

FM Approvals has been made aware that energy limits for intrinsic safety for Class I, Division 1, Groups C and D hazardous (classified) locations may be exceeded when the GT210 Series Transducers are used with certain intrinsic safety barriers. See attached ITT Conoflow GT210 Series Transducer Notification issued by ITT Enidine on 12/18/2014

**Company (As Listed in the Approval Guide):** ITT Enidine

**Address:** 105 Commerce Way, Westminster, South Carolina 29693, USA

**Contact information:** Jeff Gotthelf – Conoflow Product Engineering Manager: (864) 647-9521

**Product Identity:** GT210 Series Transducers

**Models:** GT210, GT21R, GT410, GT41R, GT610, GT61R, GT810, GT81R

**FM Approval status:** All models bearing the FM Mark.

**Hazard involved:** During a recent electrical safety review of the GT210 transducer, it was found that sufficient electrical energy could be provided to the transducer's coil to generate a spark discharge in the event of a coil failure. The energy released during a spark discharge will surpass the energy level limits for intrinsic safety for Groups C and D hazardous (classified) locations, and could potentially ignite Group C and D flammable gases. This energy to the transducer can be reduced to a safe level when a suitable intrinsic safety barrier is installed on the 4-20 mA control signal wiring, in accordance with attached Control Drawing 6385547. Specific intrinsic safety barriers (listed on prior revisions of electrical control drawings and/or instruction, operation and maintenance manuals) do not limit the available energy to the ITT GT210 series as identified in the attached notification.

Further information can be obtained by contacting Jeff Gotthelf, Conoflow Product Engineering Manager at (864) 647-9521.

If you suspect you are in possession of any of the affected equipment listed above bearing the FM Approvals certification marking, please bring that to the attention of:

**Thomas G. McCarty**

**FM Approvals, Quality Department**

**Norwood, MA, USA**

**+1 (1)781 255 4802**

**Email: [Thomas.mccarty@fmapprovals.com](mailto:Thomas.mccarty@fmapprovals.com)**

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Enidine  
105 Commerce Way  
Westminster, SC 29691  
Phone:(864)-647-9521  
Fax: (864)-647-9574

Compact Automation Product Line  
Turn-Act Product Line  
Conoflow Product Line

March 06, 2015

To: Valued ITT Customers

Re: ITT Conoflow GT210 Series Intrinsic Safety Electrical Barrier Notification

Factory Mutual (FM) Approvals has notified ITT-Enidine that their recent discovery that resulted in our notification dated December 18, 2014 was errant. As a result, ITT-Enidine is compelled to issue this revised notification which further restricts the product's use.

According to FM Approvals' most recent analysis, if you are using this product in a Class 1, Division 1 or 2, Group D environment, or in an environment where intrinsic safety is not needed, then this notification does not impact you. If you are using this product in a Group C environment, then you are impacted and need to read this notification carefully.

**FM Approvals continues to approve the GT210 for the following barriers for Class 1, Division 1 or 2, Group D.**

ABB, Inc  
766610AAAV1

Invensys Systems, Inc  
2A0-V21-FGB  
2A0-VA1-FBG  
2AT-SBU-FBG

Pepperl + Fuchs  
KHP-104/EX-2A  
1022  
1032

R Stahl, Inc  
8901/31-280-100-70  
8901/33-293-000-79

**The FM Approvals analysis of the GT210 has determined that only the following barrier will work for Class 1, Division 1 or 2, Group C.**

Pepperl + Fuchs  
1072

ITT advises any user of the GT210 series transducer in a Class 1, Division 1 or 2, Group C hazardous location to examine their intrinsic safety barrier. Barriers that do not comply with the attached control drawing will need to be changed to limit the electrical energy, and maintain a Class 1, Divisions 1&2, Groups C&D intrinsic safety rating for any GT210 series transducer in the hazardous area.

This notification supersedes an earlier ITT GT210 Intrinsic Safety Barrier notification, dated January 12, 2015, and applies to GT210 product that is placed in hazardous location service.

Should you have any questions about this notification, please contact Customer Service at 864-647-9521.

Regards,

A handwritten signature in cursive script that reads "Shannon Winkler". There is a small plus sign (+) above the signature.

Shannon Winkler