



CTI 2500 PROCESSORS NOW CLASS 1 DIVISION 2 CERTIFIED

Control Technology Inc have received final approval to classify the CTI 2500-Cxxx Processors for Class 1 Division 2 Groups A, B, C and D Hazardous Locations Certification. The full comprehensive CTI 2500 Series™ product listing is available on the UL Online Certifications Directory (Certificate NRAG.305321) via the following link ([Programmable Controllers for Use in Hazardous Locations](#))

The category covers Industrial Control Equipment, Programmable Controllers for Use in Hazardous locations. Equipment for use in Class 1 hazardous (classified) locations, as defined in the NEC, is tested with respect to acceptability of operation in the presence of flammable and explosive mixtures of specific vapors and gases with air. For the purposes of location classification for Divisions 1 and 2, such mixtures have been grouped on the basis of their characteristics as follows:

Class I, Group A — Atmospheres containing acetylene.

Class I, Group B — Atmospheres containing gases or vapors having either a maximum experimental safe gap (MESG) less than or equal to 0.45 mm or a minimum igniting current ratio (MIC ratio) less than or equal to 0.40. Examples of Group B materials are acrolein, butadiene, ethylene oxide, propylene oxide, hydrogen, and fuel and combustible process gases containing more than 30% hydrogen by volume.

Class I, Group C — Atmospheres containing gases or vapors having either a maximum experimental safe gap (MESG) greater than 0.45 mm and less than or equal to 0.75 mm, or a minimum igniting current ratio (MIC ratio) greater than 0.40 and less than or equal to 0.80. Examples of Group C materials are ethyl ether and ethylene.

Class I, Group D — Atmospheres containing gases or vapors having either a maximum experimental safe gap (MESG) greater than 0.75 mm or a minimum igniting current ratio (MIC ratio) greater than 0.80. Examples of Group D materials are acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, methanol, naphtha and propane.



For additional information, see Equipment for Use in and Relating to Class I, II and III, Division 1 and 2 Hazardous Locations ([AAIZ](#)) or visit the Underwriters Laboratories website. (www.ul.com) .

Atlantic Pacific Automation Group

UL is a registered trade mark of Underwriters Laboratories Inc

Pilz, SafetyBUS p,PNOZ are registered trademark of Pilz GmbH & Co. KG.

Profibus logo is a registered trade mark

Parker is a registered trademark of Parker Hannifin Corp.

Siemens and SIMATIC is a registered trademark of Siemens AG.

5TI, Series 505, PM550 and TISOFT are trademarks of Siemens Energy & Automation Inc.

T1505, T1525, T1535, T1565 and T1545 are trademarks of Texas Instruments Incorporated.

Belden is a registered trademark of Belden Inc.

CTI and CTI 2500 Series is a registered trademark of Control Technology Inc.

CitectSCADA is a registered trademark of Schneider Electric (Australia) Pty Ltd

FasTrak, and PLC Workshop is a registered trademark of FasTrak SoftWorks, Inc.

To unsubscribe from receiving CT News via email please send an email to sales@ap-cti.com with unsubscribe in the subject line

Copyright 2009 CT Oceania, all rights reserved. All trademarks and registered names are the property of their respective owners.

While every effort has been made to ensure the accuracy of the content, CT Oceania takes no responsibility for inaccuracies or errors and will not be held accountable for any misuse of the information provided.

This newsletter is from CT Oceania ABN 22 002 533 959