

DESCRIPTION

PRODUCT COVERED:

USC,CNC Model RAEGuard 2 gas detector for use in Class I, Groups A, B, C and D Hazardous Locations, providing intrinsically safe circuits to Class I, Div. 1, Groups A, B, C and D hazardous locations when installed in accordance with control drawing no. D03-0902-ASY.

GENERAL:

The gas detection devices covered by this report consist of an explosion-proof enclosure, electronics, and two safety barrier assemblies which thread into the enclosure.

This device is Classified with respect to fire, explosion and electrical shock hazards only.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

USC - Indicates investigation to UL 508 "Industrial Control Equipment" 17th Edition, UL 1203 "Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations, Fourth Edition, Revision 2009-10-28, and UL 913 "Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, Seventh Edition, Revision 2011-09-23 and UL 840 Insulation Coordination Including Clearances and Creepage Distances for Electrical Equipment, 3rd Ed.

CNC - Indicates investigation to CSA C22.2 No. 30-M1986 "Explosion Proof Enclosures for Use in Class I Hazardous Locations," CAN/CSA C22.2 No. 14-05 "Industrial Control Equipment," CSA C22.2 No. 157-92 "Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations".