

# INTRINSIC SAFETY BARRIER ENCLOSURE INSTALLATION

## EARTH CONNECTIONS REQUIRED FOR INTRINSIC SAFETY

Earth connections are necessary to preserve the integrity of an intrinsically safe system (e.g.. A diode safety barrier earth) such connections should be made to a high integrity earth in such a way as to ensure that the impedance from the point of connection to the main power system earth point is less than 1 Ohm. This may be achieved by connection to a switch room or similar earth bar or by the use of separate earth rods. The conductor used for the connection should be equivalent to a copper conductor of 4mm<sup>2</sup> MINIMUM cross-sectional area. These Intrinsically Safe Barriers are approved to the ATEX directive 94/9/EC for non-mining applications.

### NOTE

Older style Alarm Panels fitted with a test button facility are not suitable for use with this barrier system and will therefore need replacing with the latest version.

## BARRIER INSTALLATION INSTRUCTIONS

### FOR GAS-ARC ALARM PANELS



Gas-Arc Group Ltd  
Vinces Road  
Diss, Norfolk  
UK, IP22 4WW

CONTACT ALARM GAUGE TRUTH TABLE		
CONTACT	STATUS	FUNCTION
2 - 4	CLOSED	NORMAL
2 - 4	OPEN	RESERVE
1 - 4	CLOSED	ABOVE LOW PRESSURE SETTING
1 - 4	OPEN	LOW PRESSURE

