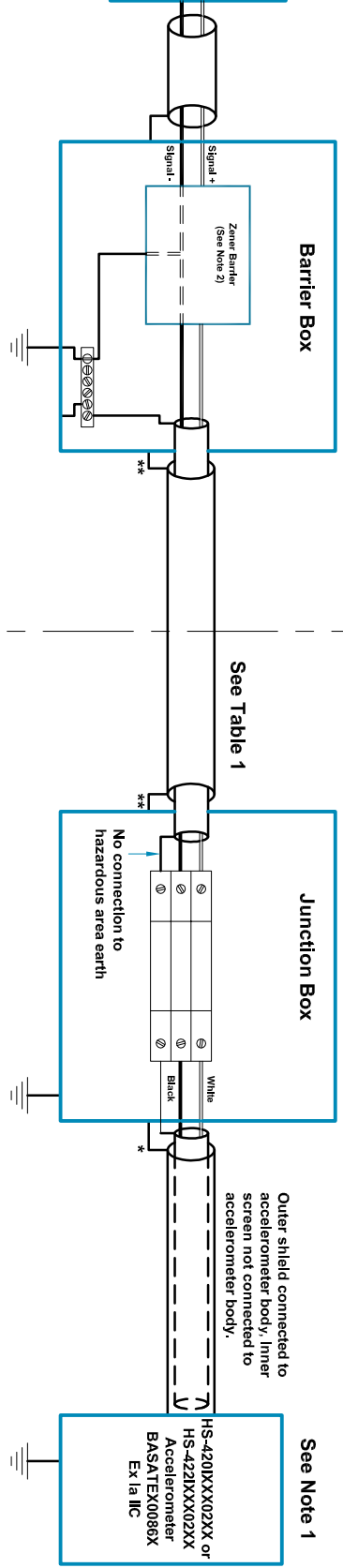


Non-hazardous area apparatus which is unspecified except that it must not be supplied from nor contain under normal or abnormal conditions, a source of potential with respect to earth in excess of 250 volts rms or 250 volts dc. Under normal conditions the potential at the connections to the zener barrier must not exceed 40 volts dc.



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Baseefa Certification Schedule Drawing

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Hansford Sensors Ltd

HS-4201 & HS-4221 Accelerometer System
Baseefa08Y0087
Ex ia IIC T6 (-40°C ≤ Ta ≤ +60°C)

Table 1: Cable Parameters For Additional Cable Lengths

Accelerometer With Integral Cable Length ≤ 10m		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.080	56
IIB	0.246	168
IJA	0.661	448
Accelerometer With Integral Cable Length ≤ 50m		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.068	56
IIB	0.234	168
IJA	0.649	448
Accelerometer With Integral Cable Length ≤ 100m		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.054	56
IIB	0.220	168
IJA	0.635	448

- Notes:**
- The capacitance and inductance, or inductance - to - resistance ratio (L/R) of hazardous area cable, must not exceed the values shown in Table 1.
 - Any shunt zener diode safety barrier certified by an ec approved body to [Ex ia] IIC having the following output parameters: Uo = 28V dc, Io = 93mA dc, Po = 0.65W, e.g. MTL7787+ to BAS01ATEX7217 or Peppert + Fuchs Z787 to BAS01ATEX7005
 - The installer is to perform a risk assessment in accordance with clause 10 of EN 60079-25 and install lightning protection arrestors as deemed necessary.

Rev No	DRF No	Date Drg	Drg By	Appd By	Material: N/A
A	Release	10/03/08	MJS	CMH	

Tolerances Unless Stated
0 or 0.0 ±0.5
0.00 ±0.15
Angle ±5°

Do Not Scale

Description: System Connections For HS-4201 & HS-4221 Group II Accelerometers With Armoured Cable F.U.W. Zener Barrier

All Dimensions in mm Unless Otherwise Stated

Drawing No: M06-011-A

If In Doubt - Ask!

Scale: NTS
Form Number: QF024 Issue 1