

FACTORY MUTUAL



Factory Mutual Research Corporation
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

APAQ-HabX, Temperature Transmitter

Where:

- a = R - Describing resistance / Pt100 input
- C - Describing mV / T/C input
- b = F - Describing low (flatpack) housing
- Blank - Describing High housing

Equipment Ratings: Intrinsically safe for Class I, Division 1, Groups A, B, C, and D and with intrinsically safe connections to Class I, Division 1, Groups A, B, C, and D hazardous indoor locations in accordance with INOR PROCESS AB Drawing Number 3-7892

Manufactured by: INOR PROCESS AB
BOX 9125
S-200, 39 MALMÖ, SWEDEN


This certifies that the equipment described has been found to comply with the following Factory Mutual Research Corporation Approval Standards:

- Approval Standard Class No. 3600 - 1989
- Approval Standard Class No. 3610 - 1988
- Approval Standard Class No. 3810 - 1989

Approval Job Identification: 6D9A3.AX Report Granted: May 4, 1999

Subsequent Revision Reports / Date Approval Amended: NONE

Factory Mutual Research Corporation



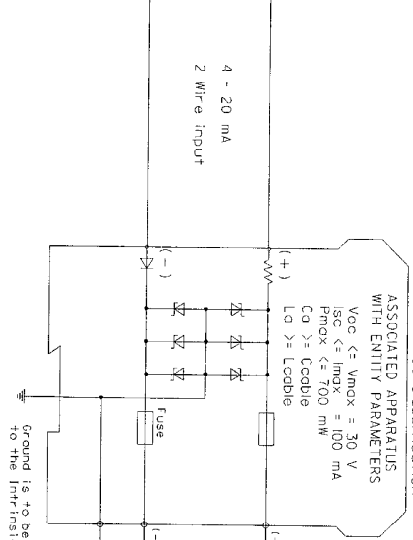
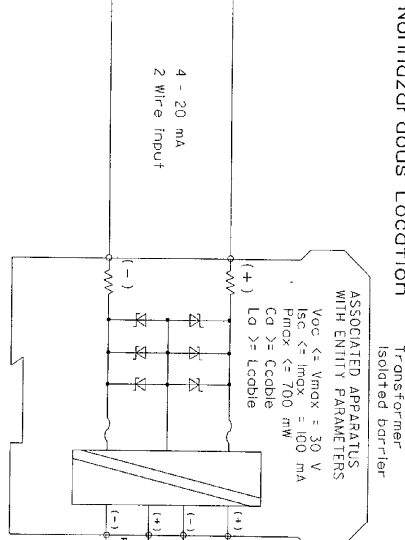
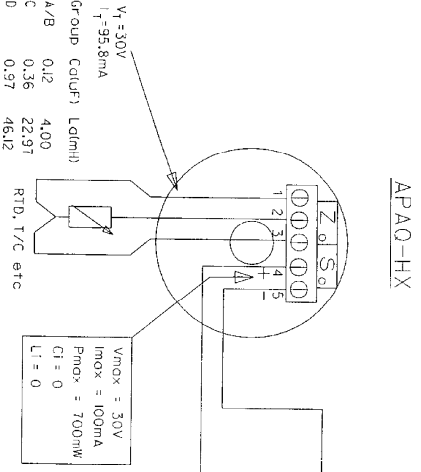
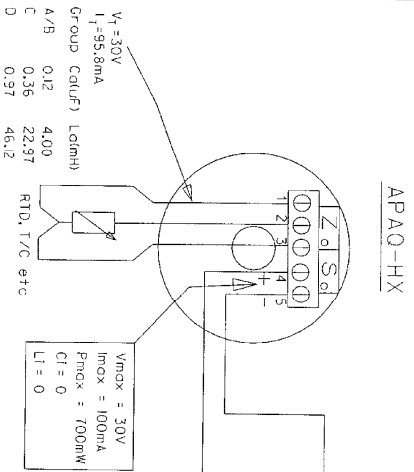
F. J. McGowan
Manager, Instrumentation
Approvals Division

May 11, 1999
Date

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Hazardous (Classified) Location
 Class 1, Division 1
 Group A, B, C, and D

Nonhazardous Location



The control equipment connected to barriers must not use or generate over 250V rms or DC

The control equipment connected to barriers must not use or generate over 250V rms or DC

REVISION	DATE	COMMENTS	SIGN
Rev C	990503	Text is edited	
Rev B	970623	Text is removed	
Rev A	970602	Revision of the text etc.	

1. The configuration of the associated apparatus or inhibitor-installed safe equipment or simple apparatus shall be FMRC approved.
2. Safety barriers must be installed in accordance with the manufacturers instructions.
3. Installation must be in accordance with the National Electrical Code (NEPA 70, Article 504) and ANSI/ISA-81.26.
4. If the cable parameters are unknown, the following values shall be used:
 Capacitance = 60 pF/feet
 Inductance = 0.20 uH/feet
5. If the safety barrier requires a earth connection then the resistance between the terminal on the safety barrier and the earth ground shall be less than 1ohm.

No revisions to drawing without prior FMRC approval.

DET. NO	NUMB	NAME	MATERIAL	DMW/DRW. NO	ITEM NO
		INTRINSIC SAFETY CONTROL DRAWING			
		APAQ-HX TEMPERATURE TRANSMITTER			
CAD. NO	MSK7892	DATE	970516	SCALE	DRW. NO
		DRWN	LSB		3-7892

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